



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN PEMBUATAN BULANAN MONTHLY MANUFACTURING STATISTICS

DISEMBER 2024
DECEMBER

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PEMAKLUMAN / ANNOUNCEMENT

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan".

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides catalogue data and visualisations to facilitate users' analysis and can be accessed through <https://open.dosm.gov.my>.

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th. MyStats Day theme is "Statistics is the Essence of Life".

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Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

MALAYSIA

Tel.	: 03-8885 7000
Faks/Fax	: 03-8888 9248
Portal	: https://www.dosm.gov.my
Facebook / Twitter / Instagram / YouTube	: StatsMalaysia
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Penerbitan ini memaparkan perangkaan nilai jualan, bilangan pekerja bergaji dan gaji & upah secara bulanan berdasarkan Survei Pembuatan Bulanan. Objektif utama penerbitan ini adalah untuk menyediakan data aliran terkini sektor Pembuatan bagi membantu pengguna dalam perancangan, penggubalan dasar dan membuat keputusan.

Ringkasan penemuan dan jadual perangkaan yang terperinci masing-masing dipaparkan pada bahagian pertama dan kedua penerbitan ini. Sementara itu, aspek-aspek teknikal yang digunakan seperti skop dan liputan dan konsep dan definisi juga disediakan pada Bahagian ketiga bagi membantu pengguna memahami statistik yang diterbitkan.

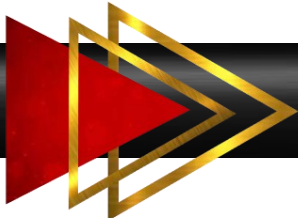
Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

Februari 2025





PREFACE

This publication presents monthly statistics on sales value, number of employees and salaries & wages based on the Monthly Manufacturing Survey. The main objective of this publication is to provide statistics on the latest trends of the Manufacturing sector to assist users in the planning, formulation of policies and decision making.

The summary findings and detailed statistical tables are highlighted in the first and second part of this publication respectively. Meanwhile, the technical aspects used such as scope and coverage and concepts and definitions are provided in the third part to assist users to understand the published statistics.

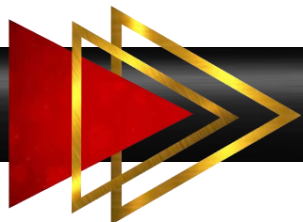
The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Any feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

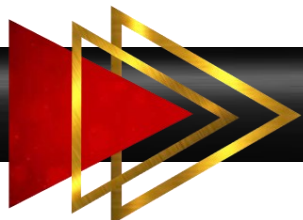
February 2025





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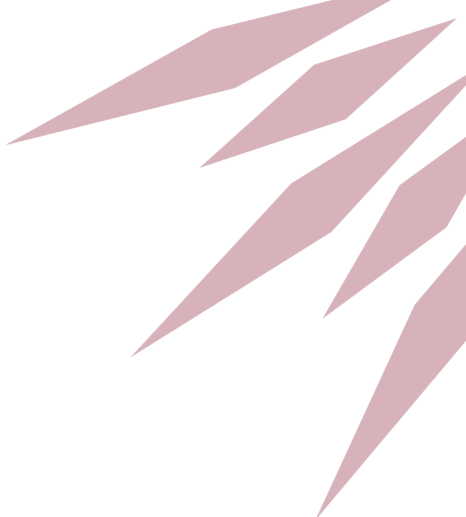
Bulan rujukan / <i>Reference month</i>	Tarikh / <i>Date</i>
Januari 2024 / <i>January 2024</i>	12.03.2024
Februari 2024 / <i>February 2024</i>	08.04.2024
Mac 2024 / <i>March 2024</i>	10.05.2024
April 2024 / <i>April 2024</i>	10.06.2024
Mei 2024 / <i>May 2024</i>	12.07.2024
Jun 2024 / <i>June 2024</i>	09.08.2024
Julai 2024 / <i>July 2024</i>	10.09.2024
Ogos 2024 / <i>August 2024</i>	11.10.2024
September 2024 / <i>September 2024</i>	08.11.2024
Oktober 2024 / <i>October 2024</i>	10.12.2024
November 2024 / <i>November 2024</i>	10.01.2025
Disember 2024 / <i>December 2024</i>	07.02.2025

Nota / *Notes:*

Kenyataan akhbar dihantar kepada pihak media pada tarikh pengeluaran dengan masa embargo ditetapkan bagi penyiaran. Kenyataan akhbar tersebut disiarkan selepas masa embargo di portal Jabatan Perangkaan Malaysia (<http://www.dosm.gov.my>)

A press statement is issued to the media on the date of release with a specified embargo time for release. The press statement is posted after the embargo time on the portal of Department of Statistics Malaysia (<http://www.dosm.gov.my>)

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RINGKASAN PENEMUAN

Summary of Findings

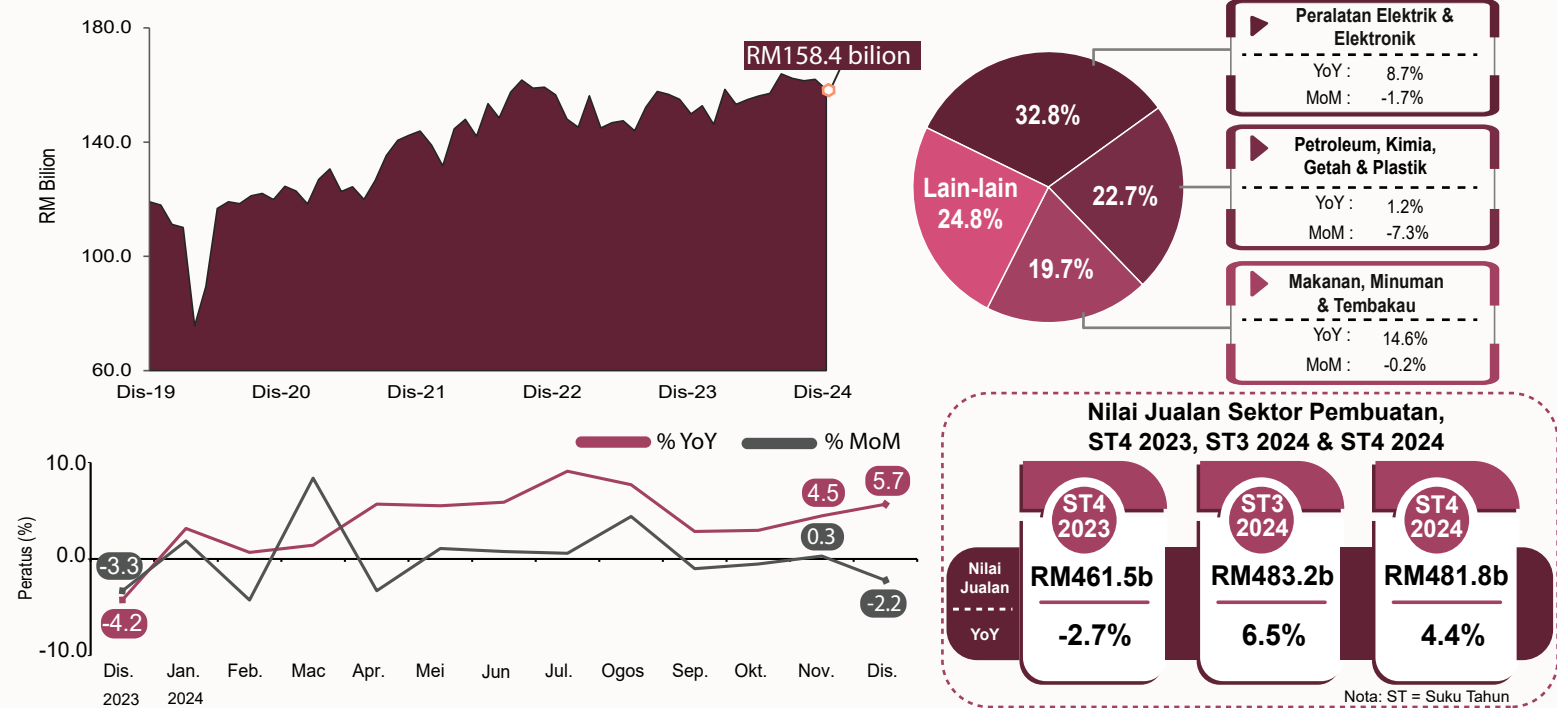


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PERANGKAAAN PEMBUATAN DISEMBER 2024

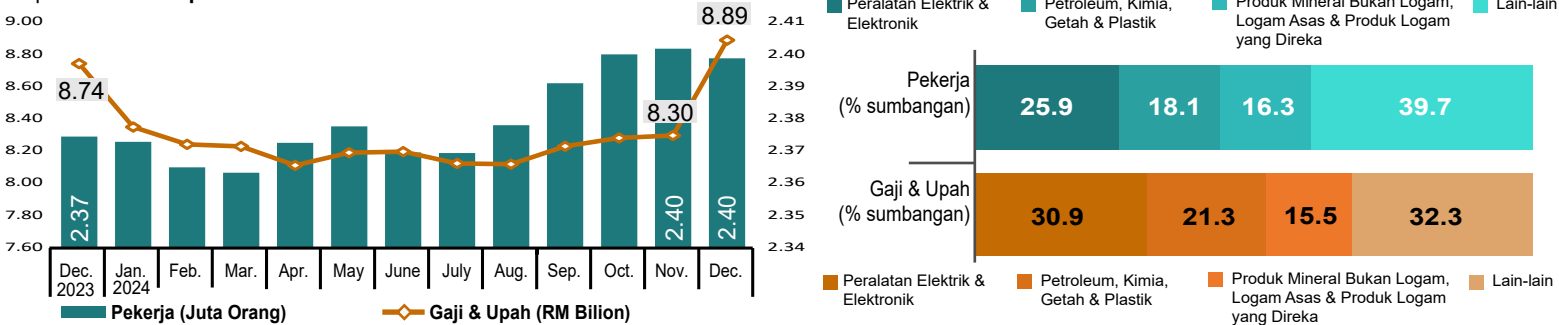
Nilai Jualan Sektor Pembuatan, Disember 2024

Jualan sektor Pembuatan mencapai RM1.9 trilion; melonjak sebanyak 4.6 peratus pada 2024



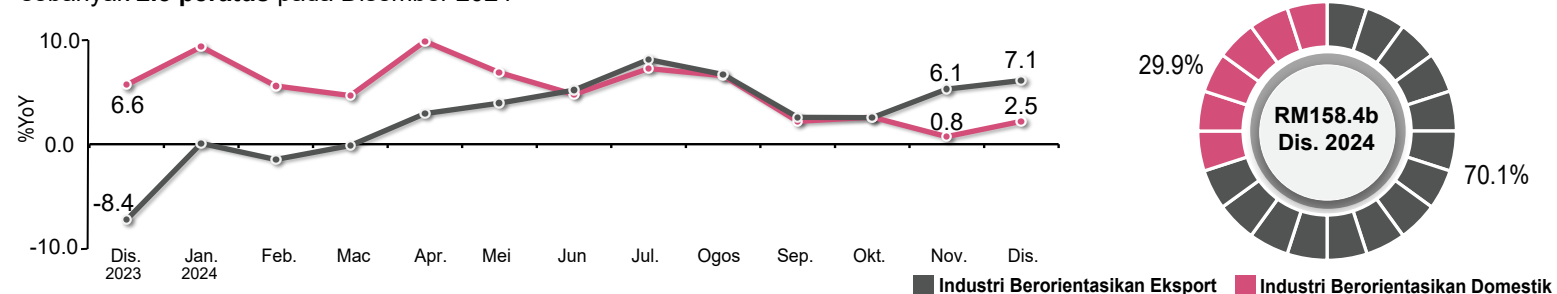
Bilangan Pekerja dan Gaji & Upah, Disember 2024

Seramai **2.40 juta orang pekerja** terlibat dalam sektor Pembuatan pada Disember 2024, meningkat sebanyak **1.0 peratus** tahun ke tahun. Sementara itu, gaji & upah tumbuh **1.7 peratus** untuk merekodkan **RM8.89 bilion**



Industri Berorientasikan Eksport dan Domestik

Nilai jualan industri berorientasikan eksport meningkat sebanyak **7.1 peratus**, manakala industri berorientasikan domestik berkembang sebanyak **2.5 peratus** pada Disember 2024



%YoY: Peratusan perubahan tahun ke tahun | b: bilion
%MoM: Peratusan perubahan bulan ke bulan

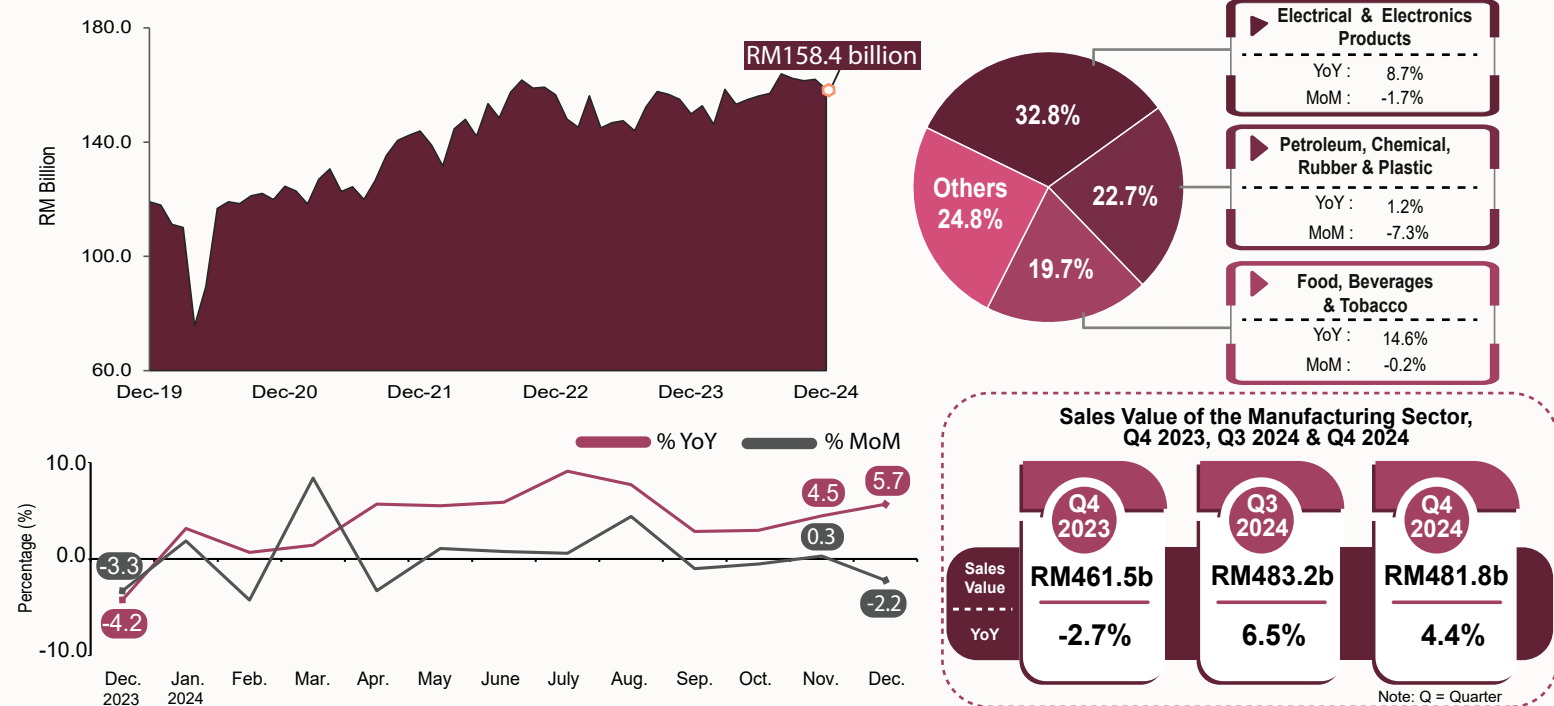
Sumber: Perangkaan Pembuatan Malaysia, Jabatan Perangkaan Malaysia (DOSM)



MANUFACTURING STATISTICS DECEMBER 2024

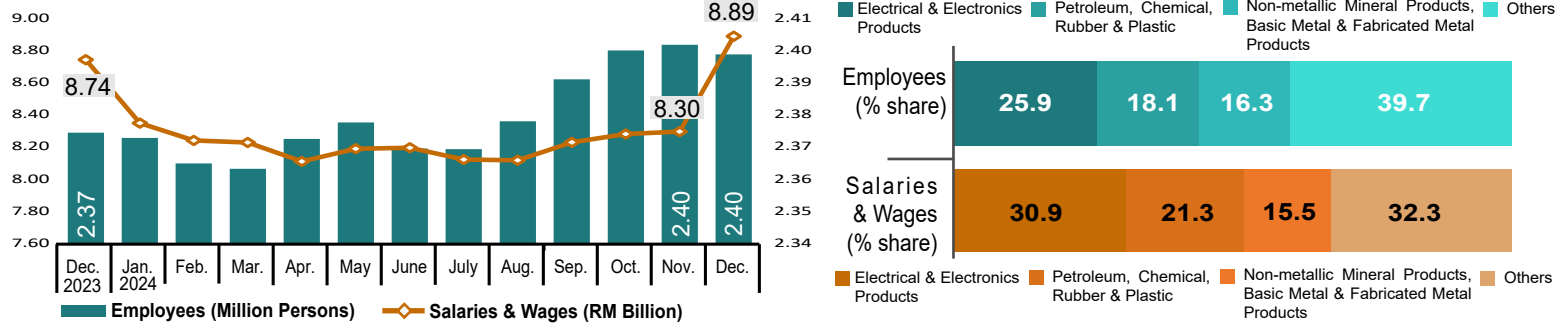
Sales Value of the Manufacturing Sector, December 2024

The Manufacturing sector sales reached RM1.9 trillion; surged by 4.6 per cent in 2024



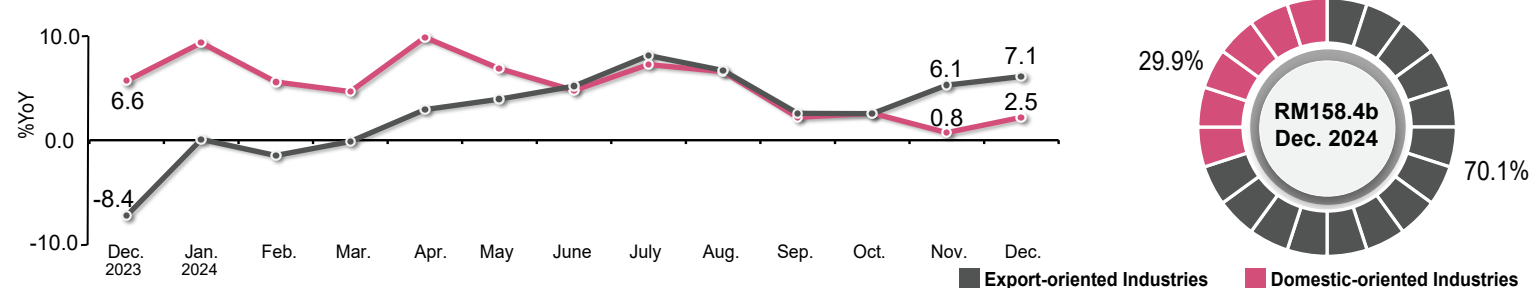
Number of Employees and Salaries & Wages, December 2024

There were **2.40 million persons** engaged in the Manufacturing sector in December 2024, which increased by **1.0 per cent** year-on-year. Meanwhile, salaries & wages grew by **1.7 per cent** to record **RM8.89 billion**



Export and Domestic-oriented Industries

The sales value of the export-oriented industries rose by **7.1 per cent**, while the domestic-oriented industries expanded by **2.5 per cent** in December 2024



%YoY: Percentage change year-on-year | b: billion
%MoM: Percentage change month-on-month

Source: Manufacturing Statistics Malaysia, Department of Statistics Malaysia (DOSM)

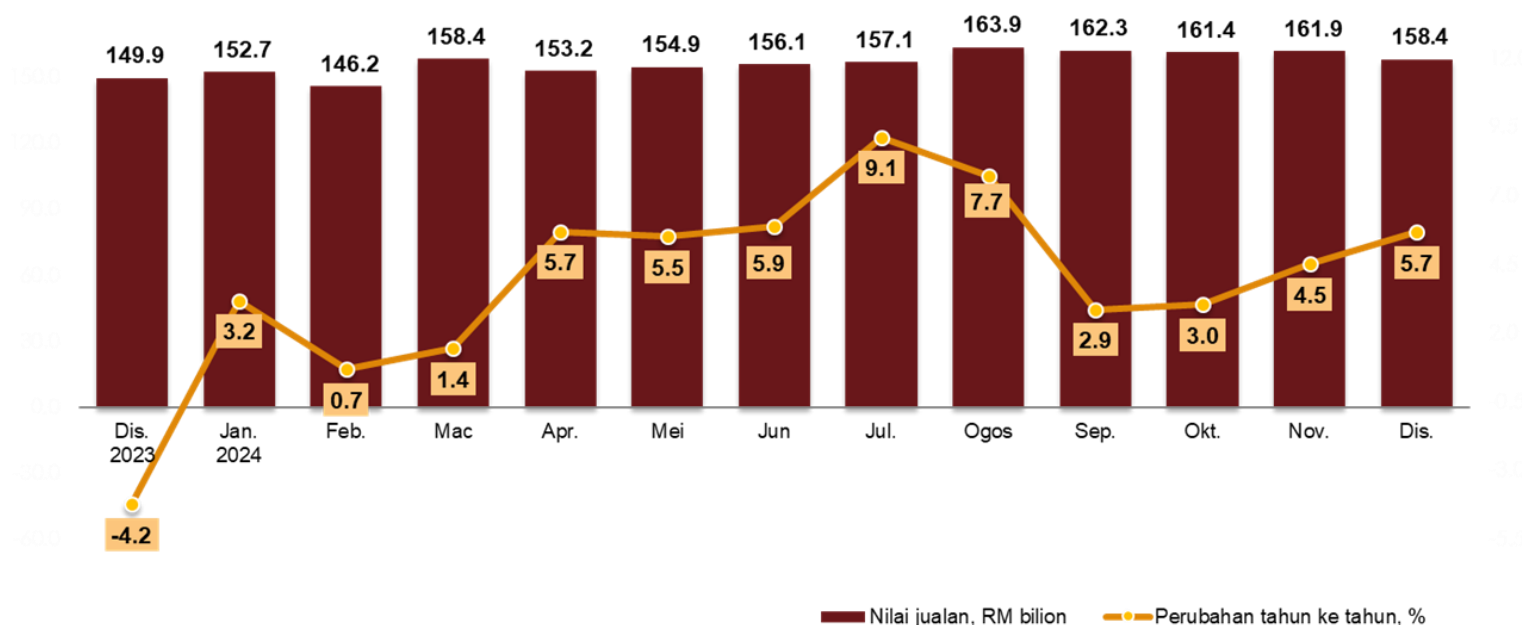


1.0 NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan mencapai RM158.4 bilion pada Disember 2024, dengan pertumbuhan tahun ke tahun sebanyak 5.7 peratus seperti yang ditunjukkan di **Carta 1**. Perbandingan bulan sebelumnya, nilai jualan menguncup sebanyak 2.2 peratus berbanding RM162.0 bilion yang direkodkan pada November 2024. Sebaliknya, nilai jualan pelarasan bermusim menguncup 1.0 peratus berbanding bulan sebelumnya.

Pertumbuhan nilai jualan sektor Pembuatan disokong terutamanya oleh subsektor Makanan, minuman & tembakau yang kekal merekodkan pertumbuhan dua angka pada 14.6 peratus pada Disember 2024 (November 2024: 12.3%). Sementara itu, subsektor Peralatan elektrik & elektronik dan Produk mineral bukan logam, logam asas & produk logam yang direka turut menyumbang kepada pertumbuhan jualan sektor Pembuatan, masing-masing mencatatkan peningkatan 8.7 peratus (November 2024: 8.6%) dan 3.2 peratus (November 2024: 2.7%).

Carta 1: Nilai Jualan Sektor Pembuatan, Disember 2023 - Disember 2024



*** Nota:**

- Laporan ini boleh diperolehi daripada laman portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan: **Siaran Terkini**.
- Data bagi bulan Disember 2024 merupakan data **awalan**. Data ini akan dikemaskini berdasarkan data terkini yang diperolehi dan akan diterbitkan dalam penerbitan bulan Januari 2025.

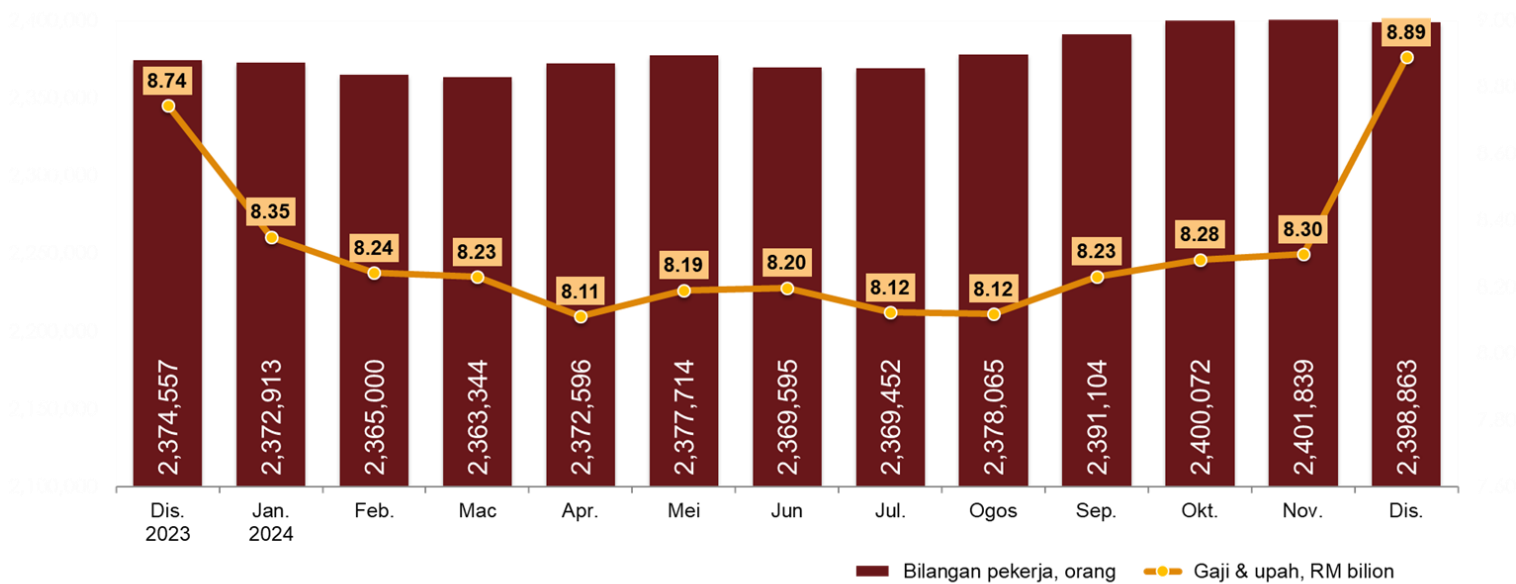
2.0 BILANGAN PEKERJA

Seramai 2.40 juta orang terlibat dalam sektor ini pada Disember 2024, terus meningkat pada 1.0 peratus bagi dua bulan berturut-turut. Pertambahan ini didorong terutamanya oleh subsektor Makanan, minuman & tembakau (2.3%); Produk mineral bukan logam, logam asas & produk logam yang direka (1.3%); dan Kayu, perabot, keluaran kertas & percetakan (0.9%). Perbandingan bulan ke bulan, bilangan pekerja dalam sektor ini menurun 0.1 peratus.

3.0 GAJI & UPAH

Gaji & upah yang dibayar dalam sektor Pembuatan juga mencatatkan peningkatan 1.7 peratus, berjumlah RM8.9 bilion pada Disember 2024 (November 2024: 1.8%) seperti yang ditunjukkan di **Carta 2**. Perbandingan bulan ke bulan, gaji & upah yang dibayar meningkat 7.1 peratus.

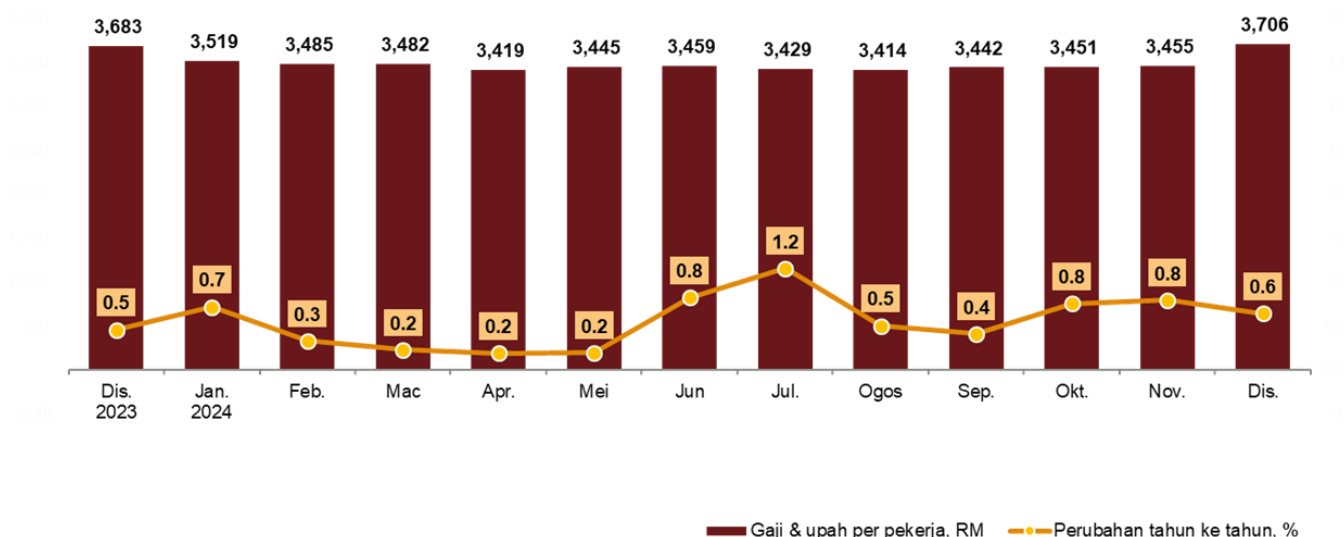
Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan, Disember 2023 - Disember 2024



4.0 PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah bulanan bagi setiap pekerja adalah RM3,706 pada Disember 2024, meningkat sebanyak 0.6 peratus berbanding setahun yang lalu seperti yang dipaparkan di **Carta 3**. Sementara itu, purata gaji & upah bagi setiap pekerja tumbuh sebanyak 7.3 peratus berbanding bulan sebelumnya (November 2024: RM3,455).

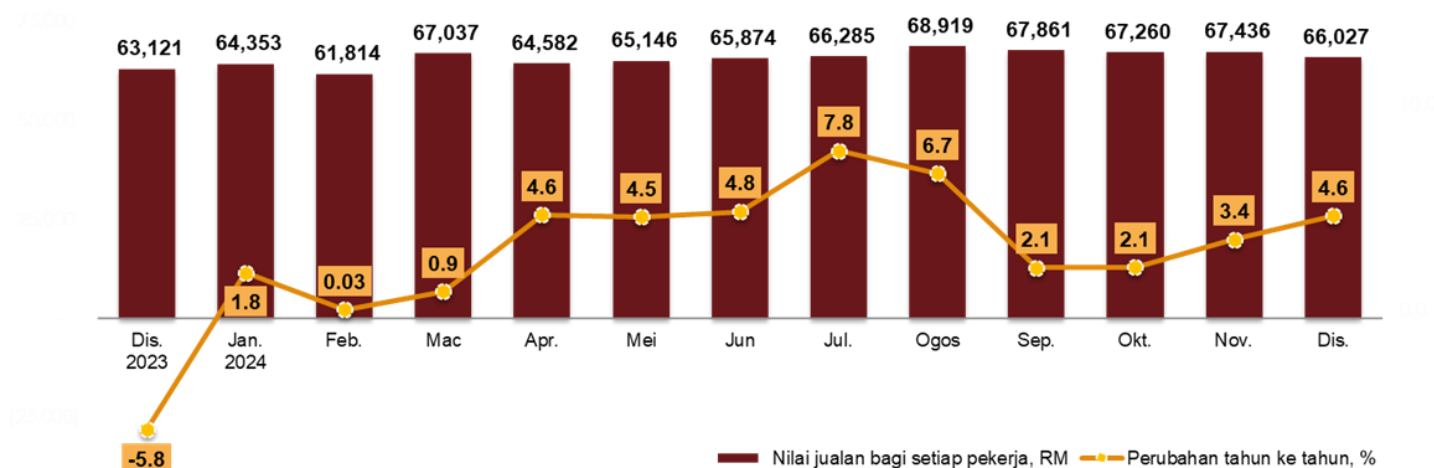
Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan, Disember 2023 - Disember 2024



5.0 NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Disember 2024 meningkat sebanyak 4.6 peratus untuk merekodkan RM66,027 berbanding RM63,121 pada bulan yang sama tahun sebelumnya (**Carta 4**). Pada masa yang sama, purata nilai jualan bagi setiap pekerja susut 2.1 peratus berbanding November 2024.

Carta 4: Nilai Jualan Per Pekerja Sektor Pembuatan, Disember 2023 - Disember 2024



6.0 PRESTASI BAGI SUKU TAHUN KEEMPAT 2024

Pada suku tahun keempat 2024, nilai jualan sektor Pembuatan tumbuh sebanyak 4.4 peratus tahun ke tahun, mencapai RM481.8 bilion (ST3 2024: RM483.2 bilion, 6.5%). Peningkatan tersebut disokong oleh subsektor Makanan, minuman & tembakau (12.7%); Peralatan Elektrik & Elektronik (6.8%); dan Kayu, perabot, keluaran kertas, & percetakan (2.0%). Sementara itu, bilangan pekerja pada suku tahun berkenaan bertambah baik kepada 1.0 peratus (ST3 2024: 0.8%), manakala gaji & upah dibayar kekal pada 1.7 peratus.

7.0 PRESTASI BAGI TAHUN 2024

Merumuskan prestasi keseluruhan bagi tahun 2024, nilai jualan sektor Pembuatan mencapai RM1.9 trilion, melonjak sebanyak 4.6 peratus berbanding tahun 2023 (0.2%). Pada tahun berkenaan, bilangan pekerja bertambah sebanyak 1.0 peratus (2023: 1.7%) untuk merekodkan seramai 2.40 juta orang, manakala gaji & upah meningkat 1.5 peratus (2023: 3.5%) kepada RM99.3 bilion.

Selanjutnya, nilai jualan per pekerja mencatatkan peningkatan 3.5 peratus, berjumlah RM786,434. Butiran terperinci seperti ditunjukkan di Jadual A.

Jadual A: Nilai Jualan, Bilangan Pekerja, Gaji & Upah dan Nilai Jualan per Pekerja, 2023 dan 2024

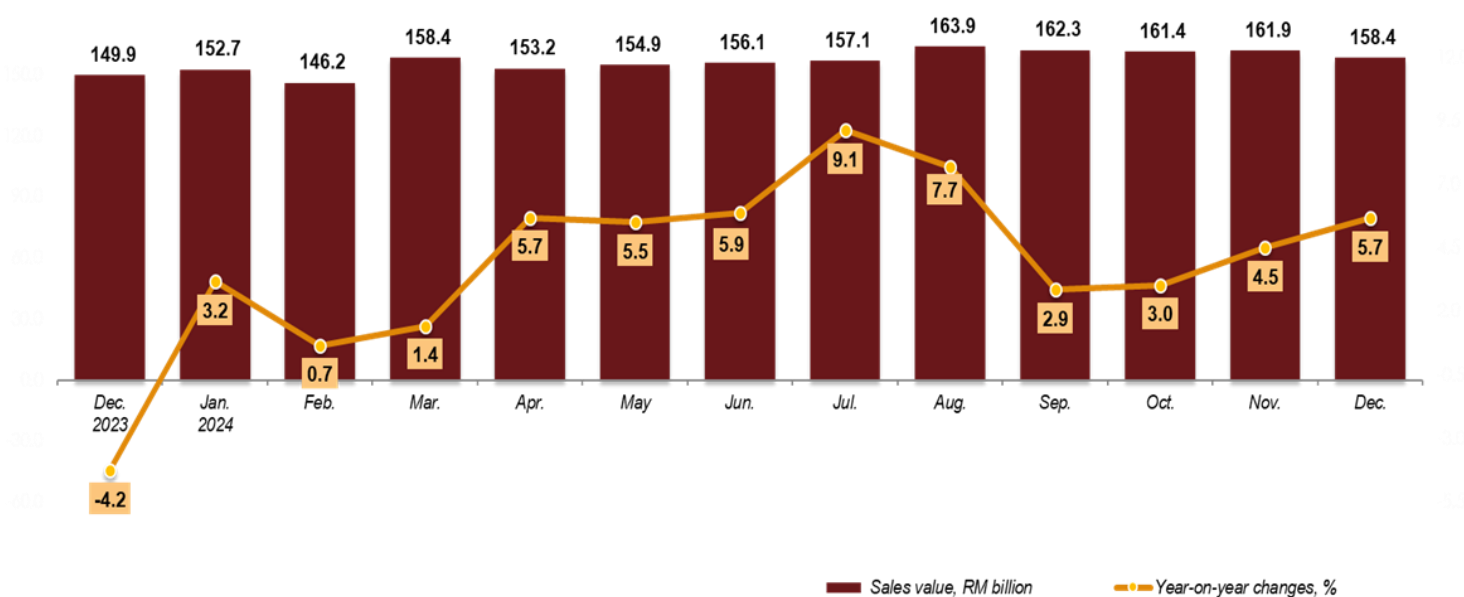
Perangkaan Pembuatan Bulanan	2023	2024	% Perubahan
Nilai Jualan (RM bilion)	1,804.0	1,886.5	4.6
Bilangan Pekerja	2,374,557	2,398,863	1.0
Gaji & Upah (RM juta)	97,789	99,268	1.5
Nilai Jualan Per Pekerja (RM)	759,735	786,434	3.5

1.0 SALES VALUE OF THE MANUFACTURING SECTOR

The sales in the Manufacturing sector reached RM158.4 billion in December 2024, with a year-on-year growth of 5.7 per cent as shown in **Chart 1**. Comparison with the preceding month, the sales value shrank by 2.2 per cent as against RM162.0 billion recorded in November 2024. Conversely, the seasonally adjusted sales value contracted by 1.0 per cent as compared to the preceding month.

The growth of sales value in the Manufacturing sector was primarily supported by the Food, beverages & tobacco sub-sector which remained to record double-digit growth at 14.6 per cent in December 2024 (November 2024: 12.3%). Meanwhile, the Electrical & electronics products and Non-metallic mineral products, basic metal & fabricated metal products sub-sectors also made contributions to the Manufacturing sector's sales growth, registered increases of 8.7 per cent (November 2024: 8.6%) and 3.2 per cent (November 2024: 2.7%), respectively.

Chart 1: Sales Value of the Manufacturing Sector, December 2023 – December 2024



* Notes:

- This report can be accessed through the web portal of the Department of Statistics, Malaysia (<https://www.dosm.gov.my>) under the section: **Latest Releases**.
- Data for December 2024 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the January 2025 publication.

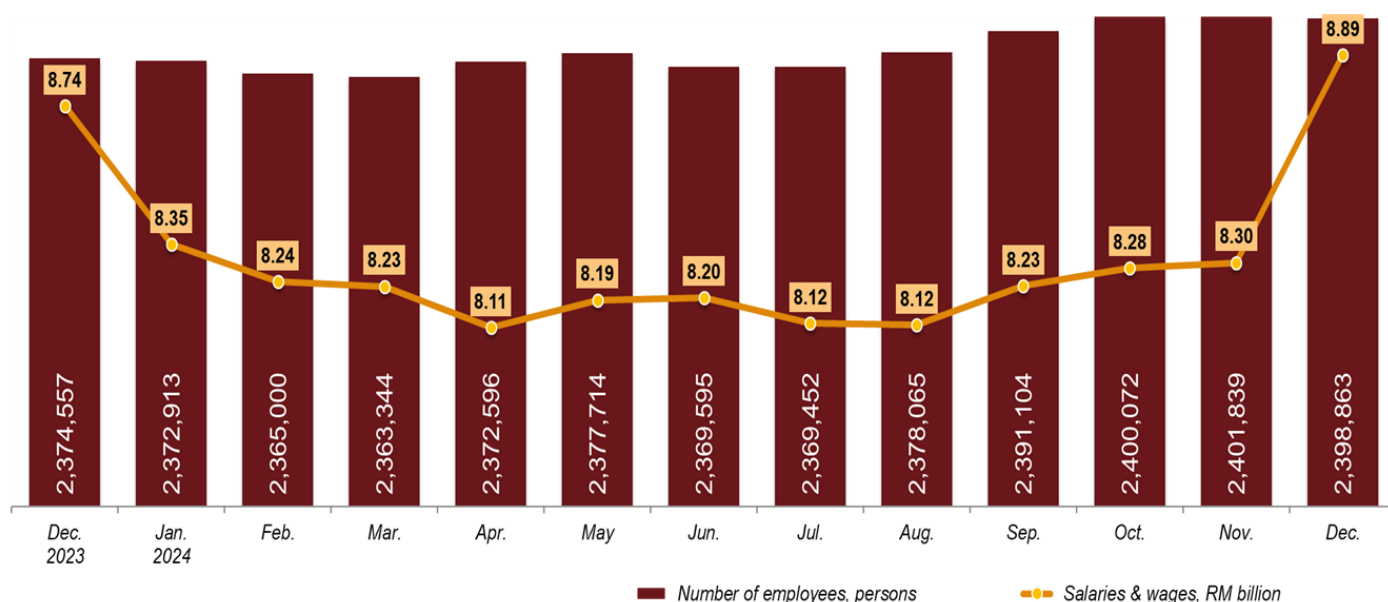
2.0 NUMBER OF EMPLOYEES

There are 2.40 million persons engaged in this sector during December 2024, continued to rise at 1.0 per cent for two consecutive months. The addition was mainly driven by the Food, beverages & tobacco (2.3%); Non-metallic mineral products, basic metal & fabricated metal products (1.3%); and Wood, furniture, paper products & printing (0.9%) sub-sectors. On a month-on-month basis, the number of employees in this sector declined 0.1 per cent.

3.0 SALARIES & WAGES

The salaries & wages paid in the Manufacturing sector also posted an increase of 1.7 per cent, amounted to RM8.9 billion in December 2024 (November 2024: 1.8%) as shown in **Chart 2**. Comparison by month-on-month, the salaries & wages paid increased by 7.1 per cent.

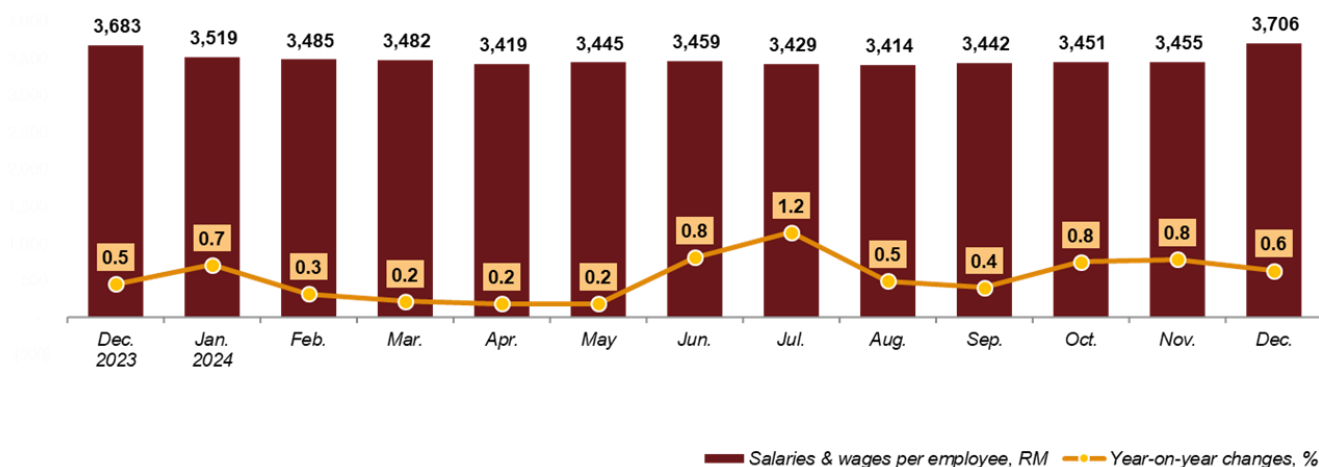
Chart 2: Number of Employees and Salaries & Wages in Manufacturing Sector, December 2023 – December 2024



4.0 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average monthly salaries & wages per employee was RM3,706 in December 2024, rose 0.6 per cent as compared to a year ago as depicted in **Chart 3**. Meanwhile, the average salaries & wages paid per employee grew by 7.3 per cent as compared to the preceding month (November 2024: RM3,455).

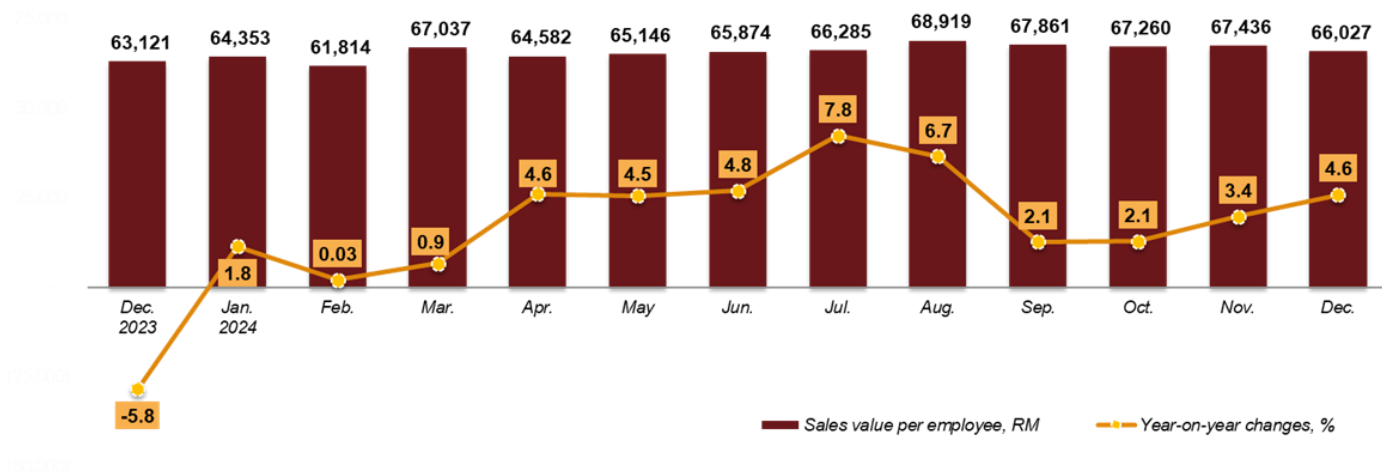
Chart 3: Salaries & Wages per Employee in Manufacturing Sector, December 2023 – December 2024



5.0 SALES VALUE PER EMPLOYEE

The sales value per employee in December 2024 rose by 4.6 per cent to record RM66,027 as compared to RM63,121 in the same month of the previous year (**Chart 4**). In the meantime, the average sales value per employee decreased 2.1 per cent as compared to November 2024.

Chart 4: Sales Value per Employee in Manufacturing Sector, December 2023 – December 2024



6.0 PERFORMANCE OF FOURTH QUARTER 2024

In the fourth quarter of 2024, the sales value in the Manufacturing sector grew by 4.4 per cent year-on-year, achieved RM481.8 billion (Q3 2024: RM483.2 billion, 6.5%). The rise was supported by the Food, beverages & tobacco (12.7%); Electrical & Electronics Products (6.8%); and Wood, furniture, paper products & printing (2.0%) sub-sectors. Meanwhile, the number of employees during the quarter improved to 1.0 per cent (Q3 2024: 0.8%), while salaries & wages paid remained at 1.7 per cent.

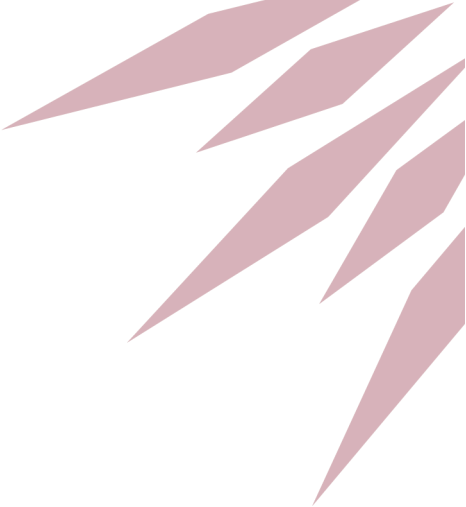
7.0 PERFORMANCE IN 2024

Summarising the overall performance for the year 2024, the sales value of the Manufacturing sector reached RM1.9 trillion, surged 4.6 per cent as against in 2023 (0.2%). During the year, the number of employees augmented by 1.0 per cent (2023: 1.7%) to record a total of 2.40 million persons, while salaries & wages rose by 1.5 per cent (2023: 3.5%) to RM99.3 billion.

Moreover, the sales value per employee registered an increase of 3.5 per cent, amounting to RM786,434. The details as per shown in Table A.

Table A: Sales Value, Number of Employees, Salaries & Wages and Sales Value per Employee, 2023 and 2024

Monthly Manufacturing Statistics	2023	2024	% Change
<i>Sales Value (RM billion)</i>	1,804.0	1,886.5	4.6
<i>Number of Employees</i>	2,374,557	2,398,863	1.0
<i>Salaries & Wages (RM million)</i>	97,789	99,268	1.5
<i>Sales Value per Employee (RM)</i>	759,735	786,434	3.5



JADUAL

Tables



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Jadual **1** : Perangkaan Utama Sektor Pembuatan
Table : Principal Statistics of Manufacturing Sector

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) <i>Sales value of own (Ex-factory) (RM Juta/Million)</i>				Bilangan Pekerja Bergaji Pada Akhir Tempoh <i>Number of employees engaged at end of period</i>				Gaji & Upah Yang Dibayar <i>Salaries & wages paid (RM Juta/Million)</i>			
		Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM
2022		1,800,930	15.8			2,335,435	3.4			94,528	5.2		
2023		1,804,035	0.2			2,374,557	1.7			97,789	3.5		
2024		1,886,549	4.6			2,398,863	1.0			99,268	1.5		
2023	Q1	449,424	8.2			2,351,269	2.8			24,517	4.3		
	Q2	439,208	-1.0			2,345,574	2.1			24,165	3.6		
	Q3	453,856	-2.9			2,372,752	2.4			24,068	3.0		
	Q4	461,548	-2.7			2,374,557	1.7			25,039	2.9		
2024	Q1	457,326	1.8			2,363,344	0.5			24,823	1.2		
	Q2	464,219	5.7			2,369,595	1.0			24,500	1.4		
	Q3	483,215	6.5			2,391,104	0.8			24,474	1.7		
	Q4	481,788	4.4			2,398,863	1.0			25,470	1.7		
2023	(Jan. - Dis.)	1,804,035	0.2			2,374,557	1.7			97,789	3.5		
2024	(Jan. - Dis.)	1,886,549	4.6			2,398,863	1.0			99,268	1.5		
2023	Jan.	148,010	6.5	144,787	-3.9	2,341,951	3.0	2,317,914	-1.1	8,183	4.0	7,939	-2.4
	Feb.	145,219	10.3	156,489	8.1	2,349,967	3.3	2,334,559	0.7	8,164	4.6	8,056	1.5
	Mac	156,194	8.0	155,778	-0.5	2,351,269	2.8	2,340,713	0.3	8,170	4.2	8,098	0.5
	Apr.	144,981	-2.0	146,680	-5.8	2,349,159	2.5	2,344,025	0.1	8,017	3.9	8,127	0.4
	Mei	146,799	3.3	154,734	5.5	2,355,748	2.6	2,357,728	0.6	8,100	4.0	8,207	1.0
	Jun	147,427	-4.0	151,271	-2.2	2,345,574	2.1	2,358,024	0.0	8,049	3.0	8,169	-0.5
	Jul.	143,926	-3.0	148,761	-1.7	2,340,123	1.7	2,352,829	-0.2	7,932	2.9	8,097	-0.9
	Ogo.	152,175	-3.3	150,632	1.3	2,355,111	2.0	2,367,136	0.6	8,001	3.0	8,147	0.6
	Sep.	157,755	-2.4	152,290	1.1	2,372,752	2.4	2,378,722	0.5	8,135	3.2	8,204	0.7
	Okt.	156,675	-1.4	150,059	-1.5	2,378,238	2.5	2,386,448	0.3	8,146	3.4	8,236	0.4
	Nov.	154,988	-2.6	149,774	-0.2	2,377,383	2.1	2,379,668	-0.3	8,149	3.3	8,269	0.4
	Dis.	149,885	-4.2	143,728	-4.0	2,374,557	1.7	2,374,914	-0.2	8,744	2.1	8,246	-0.3
2024	Jan.	152,704	3.2	149,845	4.3	2,372,913	1.3	2,356,488	-0.8	8,350	2.0	8,155	-1.1
	Feb.	146,191	0.7	155,213	3.6	2,365,000	0.6	2,351,807	-0.2	8,243	1.0	8,137	-0.2
	Mac	158,431	1.4	156,773	1.0	2,363,344	0.5	2,352,452	0.0	8,230	0.7	8,152	0.2
	Apr.	153,227	5.7	158,530	1.1	2,372,596	1.0	2,368,972	0.7	8,112	1.2	8,218	0.8
	Mei	154,897	5.5	162,213	2.3	2,377,714	0.9	2,376,146	0.3	8,191	1.1	8,257	0.5
	Jun	156,094	5.9	158,443	-2.3	2,369,595	1.0	2,380,330	0.2	8,198	1.8	8,296	0.5
	Jul.	157,060	9.1	164,504	3.8	2,369,452	1.3	2,384,811	0.2	8,124	2.4	8,324	0.3
	Ogo.	163,893	7.7	162,025	-1.5	2,378,065	1.0	2,389,702	0.2	8,119	1.5	8,279	-0.5
	Sep.	162,262	2.9	154,616	-4.6	2,391,104	0.8	2,394,816	0.2	8,231	1.2	8,294	0.2
	Okt.	161,428	3.0	153,822	-0.5	2,400,072	0.9	2,404,231	0.4	8,282	1.7	8,370	0.9
	Nov.	161,971	4.5	155,073	0.8	2,401,839	1.0	2,403,112	0.0	8,298	1.8	8,410	0.5
	Dis.	158,389	5.7	153,499	-1.0	2,398,863	1.0	2,398,072	-0.2	8,890	1.7	8,376	-0.4

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Subsektor
Table 1.1a : Sales Value of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2024	2023		
				Q1	Q2	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	320,222	309,508	338,336	73,072	74,851	
10 Pembuatan produk makanan Manufacture of food products	304,095	292,444	319,765	68,673	70,724	
11 Pembuatan minuman Manufacture of beverages	12,717	13,055	14,226	3,204	3,131	
12 Pembuatan produk tembakau Manufacture of tobacco products	3,410	4,010	4,345	1,196	996	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	23,642	24,153	25,461	6,152	5,888	
13 Pembuatan tekstil Manufacture of textiles	11,652	11,404	12,252	2,897	2,866	
14 Pembuatan pakaian Manufacture of wearing apparel	9,352	9,873	10,176	2,533	2,374	
15 Pembuatan produk kulit dan barangan bfrkaitan Manufacture of leather and related products	2,638	2,876	3,034	723	649	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	84,965	86,146	89,211	23,605	19,571	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	25,894	24,608	24,985	7,502	4,976	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	28,260	29,883	30,153	7,561	7,377	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	13,709	14,526	15,504	3,812	3,452	
31 Pembuatan perabot Manufacture of furniture	17,101	17,130	18,569	4,729	3,766	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	499,207	469,010	464,334	116,905	118,176	
19 Pembuatan kok dan produk petroleum bfrtapis Manufacture of coke and refined petroleum products	249,901	224,749	208,646	55,680	56,542	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	111,585	112,375	115,258	29,632	26,787	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	10,181	10,708	11,312	2,702	2,629	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	127,540	121,177	129,117	28,891	32,218	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	168,044	179,468	193,060	47,150	42,407	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	49,285	52,777	56,071	14,105	12,626	
24 Pembuatan logam asas Manufacture of basic metals	54,209	56,455	59,789	15,284	12,417	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	64,550	70,235	77,199	17,762	17,365	
6. Produk elektrik dan elektronik Electrical and electronic products	581,527	598,972	635,465	149,095	147,221	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	479,757	496,238	530,648	124,697	121,532	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	56,049	57,863	58,261	13,583	14,155	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	45,720	44,872	46,555	10,815	11,534	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	123,324	136,778	140,683	33,444	31,093	
29 Pembuatan kenderaan bfrmotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	89,220	101,255	103,992	24,643	22,206	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	15,690	16,045	16,365	4,077	3,946	
32 Pembuatan lain Other manufacturing	12,668	13,315	13,872	3,095	3,555	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	5,746	6,163	6,454	1,629	1,386	
Pembuatan Manufacturing	Jumlah Total	1,800,930	1,804,035	1,886,549	449,424	439,208

2024				2023		2024
Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)
78,190	83,395	75,567	80,980	87,830	93,959	309,508
74,099	78,948	70,861	76,479	83,353	89,071	292,444
3,284	3,436	3,399	3,387	3,592	3,849	13,055
807	1,010	1,307	1,114	885	1,039	4,010
5,842	6,271	6,544	6,264	6,234	6,419	24,153
2,770	2,872	3,117	3,164	2,981	2,989	11,404
2,391	2,576	2,656	2,439	2,530	2,551	9,873
681	823	771	660	722	880	2,876
19,863	23,108	24,394	20,496	20,760	23,561	86,146
5,353	6,776	7,408	5,141	5,590	6,845	24,608
7,381	7,564	7,711	7,488	7,466	7,487	29,883
3,457	3,804	3,948	3,708	3,777	4,071	14,526
3,671	4,964	5,326	4,159	3,926	5,157	17,130
119,555	114,375	111,249	117,714	121,055	114,315	469,010
58,478	54,050	48,509	52,490	56,180	51,468	224,749
28,168	27,788	29,595	28,309	29,460	27,894	112,375
2,714	2,663	2,848	2,807	2,885	2,772	10,708
30,195	29,873	30,297	34,109	32,529	32,182	121,177
42,162	47,748	51,069	47,067	45,542	49,382	179,468
12,585	13,461	15,168	13,631	13,493	13,779	52,777
12,844	15,910	15,889	13,733	13,850	16,317	56,455
16,733	18,376	20,012	19,703	18,199	19,285	70,235
154,914	147,743	152,307	157,995	167,434	157,728	598,972
128,717	121,292	127,730	132,055	140,640	130,224	496,238
15,645	14,480	13,559	14,035	15,929	14,738	57,863
10,552	11,971	11,018	11,905	10,866	12,766	44,872
33,331	38,910	36,196	33,703	34,360	36,425	136,778
24,909	29,498	27,089	24,408	25,671	26,824	101,255
3,633	4,390	4,152	4,054	3,700	4,459	16,045
3,356	3,309	3,248	3,755	3,498	3,371	13,315
1,433	1,714	1,706	1,485	1,492	1,770	6,163
453,856	461,548	457,326	464,219	483,215	481,788	1,804,035
						1,886,549

Jadual **1.1a** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor (samb.)
Table **1.1a** : Sales Value of Manufacturing Sector by Sub-sector (cont.)

Subsektor Sub-sector	2023								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	
1. Makanan, minuman dan tembakau <i>Food, bfferages and tobacco</i>	24,911	24,273	23,888	24,399	25,494	24,959	24,379	25,890	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	23,470	22,881	22,322	22,922	24,070	23,733	23,056	24,481	
11 Pembuatan minuman <i>Manufacture of bfferages</i>	1,047	1,043	1,114	1,118	1,049	964	1,065	1,124	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	394	349	452	359	376	262	258	286	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	2,068	2,018	2,066	1,966	1,997	1,926	1,944	1,951	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	984	938	975	945	969	952	925	941	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	840	847	846	798	806	770	810	781	
15 Pembuatan produk kulit dan barangan bfrkaitan <i>Manufacture of leather and related products</i>	245	233	245	223	221	204	209	229	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	7,747	7,716	8,142	7,112	6,592	5,867	5,958	6,734	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,480	2,415	2,607	2,027	1,611	1,338	1,352	1,924	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,418	2,505	2,639	2,584	2,437	2,356	2,354	2,495	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	1,262	1,284	1,266	1,189	1,132	1,131	1,143	1,148	
31 Pembuatan perabot <i>Manufacture of furniture</i>	1,587	1,512	1,630	1,312	1,411	1,042	1,109	1,166	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubbfr and plastic</i>	41,517	35,956	39,432	38,663	40,314	39,198	38,930	40,885	
19 Pembuatan kok dan produk petroleum bfrtapis <i>Manufacture of coke and refined petroleum products</i>	21,738	16,662	17,279	18,063	19,413	19,065	18,598	20,301	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9,802	9,627	10,203	8,726	9,101	8,960	9,069	9,840	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	875	885	942	898	821	910	885	905	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubbfr and plastics products</i>	9,101	8,782	11,008	10,976	10,979	10,263	10,378	9,840	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	15,584	15,563	16,003	15,047	13,943	13,417	13,038	14,005	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	4,587	4,675	4,843	4,381	4,131	4,114	4,137	4,233	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,942	5,048	5,293	4,737	4,081	3,599	3,384	4,179	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	6,055	5,840	5,867	5,930	5,731	5,704	5,518	5,592	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	45,026	49,203	54,866	47,937	47,443	51,840	48,627	51,810	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	36,749	41,275	46,672	39,465	38,922	43,145	40,395	42,924	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	4,583	4,401	4,598	4,595	4,653	4,907	4,910	5,319	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3,693	3,527	3,595	3,877	3,868	3,789	3,322	3,567	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	11,158	10,489	11,797	9,856	11,016	10,220	11,050	10,901	
29 Pembuatan kenderaan bfrmotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	8,243	7,701	8,699	6,654	8,107	7,444	8,425	8,168	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,324	1,264	1,489	1,461	1,243	1,242	1,172	1,183	
32 Pembuatan lain <i>Other manufacturing</i>	1,061	1,012	1,021	1,164	1,264	1,128	1,047	1,101	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	530	511	589	578	402	406	407	449	
Pembuatan Manufacturing	Jumlah Total	148,010	145,219	156,194	144,981	146,799	147,427	143,926	152,175

2024															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
27,921	28,425	27,792	27,178	27,744	23,712	24,111	26,408	27,470	27,102	28,269	30,064	29,497	31,595	31,219	31,145
26,563	26,844	26,336	25,768	26,219	22,214	22,427	24,813	25,946	25,720	26,797	28,526	28,030	29,916	29,612	29,543
1,095	1,231	1,117	1,089	1,115	1,091	1,193	1,196	1,113	1,077	1,164	1,234	1,193	1,319	1,263	1,266
263	350	338	322	410	407	490	399	411	305	308	304	274	360	343	336
1,947	2,037	2,149	2,085	2,234	2,102	2,209	2,094	2,142	2,027	2,132	2,098	2,004	2,098	2,168	2,154
905	937	968	966	1,071	1,018	1,029	1,026	1,088	1,050	1,030	1,032	920	964	1,004	1,020
799	832	893	851	899	835	922	840	832	767	886	822	823	851	859	841
243	268	288	268	264	250	258	227	223	210	217	244	261	282	305	292
7,171	7,554	7,831	7,722	8,176	7,796	8,421	7,512	6,822	6,162	6,456	6,985	7,319	7,618	8,002	7,941
2,077	2,311	2,261	2,204	2,482	2,290	2,636	2,097	1,638	1,406	1,478	1,976	2,137	2,318	2,272	2,255
2,533	2,531	2,534	2,499	2,579	2,537	2,595	2,612	2,456	2,420	2,513	2,508	2,445	2,428	2,551	2,509
1,165	1,151	1,341	1,312	1,321	1,316	1,310	1,279	1,199	1,229	1,296	1,234	1,247	1,228	1,440	1,403
1,396	1,561	1,696	1,707	1,794	1,652	1,880	1,523	1,528	1,107	1,168	1,267	1,490	1,644	1,740	1,774
39,739	40,065	38,765	35,545	38,231	34,736	38,283	39,467	37,848	40,399	41,362	40,616	39,077	39,534	38,797	35,984
19,579	19,927	18,597	15,525	17,176	15,204	16,129	17,118	16,001	19,370	19,483	18,780	17,917	18,536	17,782	15,150
9,258	9,079	9,298	9,412	10,322	9,379	9,894	9,594	9,450	9,265	9,711	10,241	9,509	8,991	9,335	9,569
925	933	871	859	904	942	1,001	965	846	996	962	954	970	949	912	911
9,977	10,126	9,998	9,749	9,828	9,211	11,259	11,790	11,551	10,769	11,206	10,642	10,681	11,059	10,769	10,353
15,119	15,176	15,999	16,572	17,081	16,443	17,545	16,967	15,189	14,912	14,482	15,169	15,891	15,842	16,432	17,108
4,214	4,113	4,614	4,734	5,140	4,869	5,158	4,804	4,434	4,393	4,582	4,523	4,388	4,273	4,663	4,843
5,281	5,273	5,373	5,264	5,140	5,203	5,546	5,225	4,465	4,042	3,899	4,513	5,438	5,426	5,513	5,379
5,623	5,790	6,013	6,574	6,801	6,371	6,840	6,938	6,289	6,476	6,000	6,133	6,066	6,143	6,256	6,886
54,477	51,155	48,728	47,860	46,315	49,820	56,172	49,253	53,228	55,514	52,637	57,137	57,661	52,772	52,938	52,019
45,398	42,391	39,807	39,094	37,731	41,913	48,086	40,611	44,502	46,942	44,057	48,073	48,509	43,722	43,716	42,785
5,416	5,003	4,817	4,661	4,772	4,323	4,464	4,586	4,766	4,683	5,070	5,397	5,462	5,165	4,823	4,751
3,663	3,762	4,104	4,105	3,813	3,584	3,621	4,056	3,960	3,889	3,509	3,667	3,689	3,885	4,398	4,483
11,380	12,263	13,724	12,923	12,922	11,582	11,692	11,526	12,199	9,978	11,723	11,823	10,814	11,970	12,416	12,039
8,316	9,155	10,488	9,855	9,877	8,718	8,494	8,193	9,157	7,058	8,944	9,015	7,712	8,825	9,126	8,874
1,278	1,458	1,518	1,414	1,374	1,288	1,491	1,486	1,302	1,267	1,209	1,202	1,289	1,465	1,537	1,457
1,208	1,092	1,119	1,097	1,123	1,049	1,075	1,237	1,309	1,209	1,144	1,134	1,220	1,096	1,143	1,132
578	557	599	557	548	527	632	610	432	444	426	473	593	584	610	576
157,755	156,675	154,988	149,885	152,704	146,191	158,431	153,227	154,897	156,094	157,060	163,893	162,262	161,428	161,971	158,389

Jadual **1.1b** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2024	2023			2024			2023			2024		
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	(Jan. - Dis.)	(Jan. - Dis.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	12.8	-3.3	9.3	6.1	-12.7	-5.3	0.4	3.4	8.2	12.3	12.7	-3.3	9.3		
10 Pembuatan produk makanan <i>Manufacture of food products</i>	12.5	-3.8	9.3	6.3	-13.7	-5.8	0.1	3.2	8.1	12.5	12.8	-3.8	9.3		
11 Pembuatan minuman <i>Manufacture of beverages</i>	19.6	2.7	9.0	0.2	3.2	1.4	5.8	6.1	8.2	9.4	12.0	2.7	9.0		
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	16.0	17.6	8.4	17.4	27.0	18.6	9.0	9.3	11.8	9.6	2.8	17.6	8.4		
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	7.7	2.2	5.4	0.9	3.7	2.5	1.6	6.4	6.4	6.7	2.4	2.2	5.4		
13 Pembuatan tekstil <i>Manufacture of textiles</i>	8.6	-2.1	7.4	-2.1	-1.2	-2.7	-2.6	7.6	10.4	7.6	4.1	-2.1	7.4		
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	3.5	5.6	3.1	3.1	7.4	7.5	4.6	4.9	2.8	5.8	-1.0	5.6	3.1		
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	20.5	9.0	5.5	6.4	14.2	8.2	8.3	6.7	1.8	6.0	6.9	9.0	5.5		
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	11.1	1.4	3.6	1.8	1.7	-0.5	2.3	3.3	4.7	4.5	2.0	1.4	3.6		
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	12.4	-5.0	1.5	-3.9	-2.3	-7.2	-6.2	-1.3	3.3	4.4	1.0	-5.0	1.5		
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	9.6	5.7	0.9	11.0	4.8	1.9	5.6	2.0	1.5	1.1	-1.0	5.7	0.9		
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13.3	6.0	6.7	7.5	5.5	7.5	3.6	3.6	7.4	9.3	7.0	6.0	6.7		
31 Pembuatan perabot <i>Manufacture of furniture</i>	9.8	0.2	8.4	-5.7	-1.9	-1.4	9.8	12.6	10.5	7.0	3.9	0.2	8.4		
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	15.5	-6.0	-1.0	8.0	-4.8	-13.3	-11.2	-4.8	-0.4	1.3	-0.1	-6.0	-1.0		
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	42.3	-10.1	-7.2	21.9	-6.2	-22.7	-20.9	-12.9	-7.2	-3.9	-4.8	-10.1	-7.2		
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9.0	0.7	2.6	2.1	0.7	0.7	-0.6	-0.1	5.7	4.6	0.4	0.7	2.6		
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.8	5.2	5.6	12.0	5.1	0.7	3.5	5.4	6.8	6.3	4.1	5.2	5.6		
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-12.1	-5.0	6.6	-7.3	-7.4	-4.5	-0.3	4.9	5.9	7.7	7.7	-5.0	6.6		
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	12.5	6.8	7.6	6.1	6.2	7.2	7.7	8.3	11.0	8.0	3.4	6.8	7.6		
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	15.2	7.1	6.2	6.9	6.8	7.6	7.0	7.5	8.0	7.2	2.4	7.1	6.2		
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	9.4	4.1	5.9	5.0	3.6	2.8	4.9	4.0	10.6	7.8	2.6	4.1	5.9		
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	13.2	8.8	9.9	6.3	7.8	10.6	10.7	12.7	13.5	8.8	4.9	8.8	9.9		
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	20.3	3.0	6.1	10.2	5.5	1.6	-4.2	2.2	7.3	8.1	6.8	3.0	6.1		
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	22.4	3.4	6.9	11.1	6.3	2.2	-4.7	2.4	8.7	9.3	7.4	3.4	6.9		
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	15.6	3.2	0.7	5.9	5.2	4.3	-1.9	-0.2	-0.9	1.8	1.8	3.2	0.7		
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	6.9	-1.9	3.8	4.9	-2.3	-8.1	-1.3	1.9	3.2	3.0	6.6	-1.9	3.8		
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	14.5	10.9	2.9	14.8	6.8	12.4	9.8	8.2	8.4	3.1	-6.4	10.9	2.9		
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	15.3	13.5	2.7	18.6	7.2	15.7	12.6	9.9	9.9	3.1	-9.1	13.5	2.7		
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	11.3	2.3	2.0	6.4	5.4	-0.5	-1.7	1.9	2.7	1.8	1.6	2.3	2.0		
32 Pembuatan lain <i>Other manufacturing</i>	16.3	5.1	4.2	3.4	4.4	5.7	6.9	5.0	5.6	4.2	1.9	5.1	4.2		
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	7.9	7.3	4.7	7.4	11.5	10.6	1.4	4.7	7.1	4.1	3.3	7.3	4.7		
Pembuatan Manufacturing	Jumlah Total	15.8	0.2	4.6	8.2	-1.0	-2.9	-2.7	1.8	5.7	6.5	4.4	0.2	4.6	

(%)

2023												2024											
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
4.5	8.6	5.5	-12.7	-10.9	-14.6	-7.8	-6.6	-1.7	2.0	2.0	-2.6	11.4	-2.3	0.9	8.2	7.7	8.6	16.0	16.1	5.6	11.2	12.3	14.6
4.4	9.1	5.4	-13.4	-12.2	-15.5	-8.4	-7.2	-2.0	1.6	1.9	-3.1	11.7	-2.9	0.5	8.3	7.8	8.4	16.2	16.5	5.5	11.4	12.4	14.7
0.5	-0.3	0.3	-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5	6.5	4.6	7.2	7.0	6.2	11.8	9.4	9.9	8.9	7.2	13.1	16.3
20.6	5.7	25.3	9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3	3.9	16.7	8.3	11.2	9.2	16.3	19.2	6.0	4.2	2.8	1.5	4.3
0.1	1.4	1.4	1.1	7.9	2.2	2.6	2.2	2.8	3.7	3.2	-1.7	8.0	4.2	6.9	6.5	7.3	5.3	9.7	7.6	2.9	3.0	0.9	3.3
-2.8	-2.2	-1.3	-1.9	4.4	-5.6	-5.1	-1.0	-1.7	-1.0	-1.5	-5.1	8.9	8.5	5.5	8.6	12.3	10.3	11.3	9.7	1.7	2.9	3.7	5.7
1.7	4.7	2.9	1.4	9.6	11.8	10.7	5.0	6.9	8.0	7.1	-0.8	7.1	-1.4	9.0	5.3	3.2	-0.3	9.3	5.3	2.9	2.4	-3.9	-1.2
6.5	4.8	7.8	14.1	19.1	9.4	10.7	6.7	7.4	8.3	8.0	8.5	7.9	6.9	5.3	1.8	0.6	3.2	3.8	6.6	7.5	5.4	6.0	9.3
-2.2	6.3	1.8	-1.3	7.9	-1.1	-0.6	-0.1	-0.7	3.2	2.6	1.2	5.5	1.0	3.4	5.6	3.5	5.0	8.4	3.7	2.1	0.8	2.2	2.8
-7.4	1.2	-4.9	-5.1	7.5	-8.2	-7.8	-6.9	-7.2	-2.2	-6.4	-9.9	0.1	-5.1	1.1	3.5	1.7	5.0	9.3	2.7	2.9	0.3	0.5	2.3
7.0	16.9	9.5	4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4	6.7	1.3	-1.7	1.1	0.8	2.7	6.8	0.5	-3.5	-4.1	0.7	0.4
3.2	10.2	9.3	2.6	7.6	6.5	6.7	8.9	6.9	7.6	1.4	2.5	4.7	2.5	3.5	7.6	5.9	8.7	13.4	7.5	7.0	6.7	7.3	7.0
-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3	16.1	8.3	6.3	5.4	8.7	6.8	5.3	2.6	3.9
10.1	9.2	4.8	-3.1	2.0	-12.4	-15.3	-12.3	-12.3	-9.5	-10.8	-13.6	-7.9	-3.4	-2.9	2.1	-6.1	3.1	6.2	-0.7	-1.7	-1.3	0.1	1.2
26.0	25.0	14.5	0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8	-21.0	-8.8	-6.7	-5.2	-17.6	1.6	4.8	-7.5	-8.5	-7.0	-4.4	-2.4
1.7	2.0	2.6	-0.9	4.8	-1.8	-0.7	1.4	1.2	3.6	-0.5	-4.5	5.3	-2.6	-3.0	9.9	3.8	3.4	7.1	4.1	2.7	-1.0	0.4	1.7
6.9	15.8	13.6	7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0	3.3	6.5	6.3	7.4	3.0	9.4	8.7	5.4	4.9	1.7	4.6	6.1
-9.1	-6.5	-6.3	-10.9	-1.9	-8.9	-5.3	-5.1	-3.1	-0.7	0.2	-0.5	8.0	4.9	2.3	7.4	5.2	4.9	8.0	8.2	7.1	9.2	7.7	6.2
1.7	8.8	8.0	4.1	8.7	6.2	6.1	6.3	9.0	7.0	8.6	7.4	9.6	5.7	9.6	12.8	8.9	11.1	11.1	8.3	5.1	4.4	2.7	3.2
3.7	9.7	7.6	4.6	9.0	7.1	5.9	7.1	9.9	7.4	7.7	6.1	12.1	4.2	6.5	9.7	7.3	6.8	10.8	6.8	4.1	3.9	1.1	2.3
-1.3	7.5	9.0	1.9	5.7	3.5	1.1	0.6	5.8	4.3	6.6	3.7	4.0	3.1	4.8	10.3	9.4	12.3	15.2	8.0	3.0	2.9	2.6	2.2
2.6	9.1	7.5	5.5	10.6	7.4	9.7	10.4	11.5	9.2	11.3	11.5	12.3	9.1	16.6	17.0	9.7	13.5	8.7	9.7	7.9	6.1	4.1	4.8
6.4	12.4	11.4	4.0	8.4	4.3	4.7	0.6	-0.04	-2.7	-5.3	-4.6	2.9	1.3	2.4	2.7	12.2	7.1	8.2	10.3	5.8	3.2	8.6	8.7
7.1	13.3	12.6	5.2	8.5	5.5	6.1	1.1	-0.1	-2.8	-6.6	-4.8	2.7	1.5	3.0	2.9	14.3	8.8	9.1	12.0	6.9	3.1	9.8	9.4
4.6	9.5	3.9	1.0	10.6	4.3	4.6	4.1	4.4	-1.1	-0.3	-4.4	4.1	-1.8	-2.9	-0.2	2.4	-4.6	3.3	1.5	0.9	3.2	0.1	1.9
2.5	5.7	6.6	-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9	3.3	1.6	0.7	4.6	2.4	2.7	5.6	2.8	0.7	3.3	7.2	9.2
14.0	15.4	15.1	-4.9	17.8	8.9	17.2	11.9	8.6	14.6	9.0	6.4	15.8	10.4	-0.9	16.9	10.7	-2.4	6.1	8.5	-5.0	-2.4	-9.5	-6.8
18.9	18.1	18.6	-8.3	20.7	10.5	22.0	15.0	10.4	19.7	11.3	8.0	19.8	13.2	-2.4	23.1	12.9	-5.2	6.2	10.4	-7.3	-3.6	-13.0	-10.0
1.8	8.3	9.0	2.5	10.8	3.9	-0.2	-0.5	-0.7	-4.0	0.3	-1.2	3.8	1.9	0.1	1.7	4.7	2.0	3.1	1.6	0.8	0.5	1.2	3.1
1.4	5.4	3.5	0.9	9.2	3.0	6.0	5.0	6.2	9.5	5.2	6.2	5.9	3.6	5.3	6.3	3.6	7.2	9.2	2.9	1.0	0.3	2.1	3.2
3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4	5.6	7.3	9.2	4.8	5.3	2.6	4.9	1.8	3.4
6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4	5.7	5.5	5.9	9.1	7.7	2.9	3.0	4.5	5.7

Jadual **1.1c** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table **1.1c** : Sales Value of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024				2023		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	-12.0	2.4	4.5	6.7	-9.4	7.2	8.5	7.0	-10.8	-2.6	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	-12.9	3.0	4.8	6.5	-10.2	7.9	9.0	6.9	-11.7	-2.5	
11 Pembuatan minuman <i>Manufacture of beverages</i>	-1.4	-2.3	4.9	4.7	-1.1	-0.4	6.0	7.2	1.5	-0.4	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	29.1	-16.7	-19.0	25.1	29.4	-14.7	-20.6	17.4	30.3	-11.5	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	-0.3	-4.3	-0.8	7.3	4.4	-4.3	-0.5	3.0	-2.5	-2.4	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-1.7	-1.1	-3.3	3.7	8.6	1.5	-5.8	0.2	-3.3	-4.7	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	2.9	-6.3	0.7	7.8	3.1	-8.1	3.7	0.8	-2.1	0.9	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	-4.9	-10.3	5.0	20.8	-6.3	-14.4	9.4	21.8	-0.8	-4.6	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.5	-17.1	1.5	16.3	5.6	-16.0	1.3	13.5	1.5	-0.4	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	3.8	-33.7	7.6	26.6	9.3	-30.6	8.7	22.4	1.4	-2.6	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	5.6	-2.4	0.1	2.5	1.9	-2.9	-0.3	0.3	1.9	3.6	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	3.8	-9.4	0.1	10.0	3.8	-6.1	1.9	7.8	-1.4	1.7	
31 Pembuatan perabot <i>Manufacture of furniture</i>	4.6	-20.4	-2.5	35.2	7.3	-21.9	-5.6	31.4	3.6	-4.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	-9.3	1.1	1.2	-4.3	-2.7	5.8	2.8	-5.6	1.0	-13.4	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	-18.5	1.5	3.4	-7.6	-10.3	8.2	7.0	-8.4	5.3	-23.4	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	6.0	-9.6	5.2	-1.3	6.5	-4.3	4.1	-5.3	-0.6	-1.8	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	5.0	-2.7	3.2	-1.9	6.9	-1.5	2.8	-3.9	5.0	1.1	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-3.6	11.5	-6.3	-1.1	1.4	12.6	-4.6	-1.1	-7.1	-3.5	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	6.3	-10.1	-0.6	13.2	7.0	-7.8	-3.2	8.4	1.0	-0.1	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	12.2	-10.5	-0.3	7.0	12.7	-10.1	-1.0	2.1	2.8	1.9	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.8	-18.8	3.4	23.9	-0.1	-13.6	0.9	17.8	-2.6	2.1	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	7.0	-2.2	-3.6	9.8	8.9	-1.5	-7.6	6.0	2.7	-3.5	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-3.3	-1.3	5.2	-4.6	3.1	3.7	6.0	-5.8	-10.2	9.3	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-2.0	-2.5	5.9	-5.8	5.3	3.4	6.5	-7.4	-10.5	12.3	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-8.0	4.2	10.5	-7.4	-6.4	3.5	13.5	-7.5	-6.0	-4.0	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-10.8	6.6	-8.5	13.4	-8.0	8.1	-8.7	17.5	-12.6	-4.5	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	-5.6	-7.0	7.2	16.7	-7.0	-6.9	2.0	6.0	-8.1	-6.0	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-5.9	-9.9	12.2	18.4	-8.2	-9.9	5.2	4.5	-9.6	-6.6	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	-8.7	-3.2	-7.9	20.8	-5.4	-2.4	-8.7	20.5	-7.6	-4.5	
32 Pembuatan lain <i>Other manufacturing</i>	-0.01	14.9	-5.6	-1.4	-1.8	15.6	-6.9	-3.6	2.7	-4.6	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	-3.6	-14.9	3.4	19.6	-0.4	-13.0	0.4	18.7	-4.5	-3.4	
Pembuatan Manufacturing	Jumlah Total	-5.3	-2.3	3.3	1.7	-0.9	1.5	4.1	-0.3	-5.4	-1.9

(%)

2024																					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
-1.6	2.1	4.5	-2.1	-2.3	6.2	7.8	1.8	-2.2	-2.2	2.1	-14.5	1.7	9.5	4.0	-1.3	4.3	6.3	-1.9	7.1	-1.2	-0.2
-2.4	2.7	5.0	-1.4	-2.9	6.2	8.5	1.1	-1.9	-2.2	1.8	-15.3	1.0	10.6	4.6	-0.9	4.2	6.5	-1.7	6.7	-1.0	-0.2
6.8	0.4	-6.3	-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	0.2	-6.9	-3.2	8.1	6.0	-3.4	10.6	-4.2	0.3
29.7	-20.7	4.9	-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	-18.6	3.0	-25.8	1.0	-1.3	-9.7	31.5	-4.7	-2.2
2.4	-4.8	1.5	-3.6	1.0	0.3	-0.2	4.6	5.5	-3.0	7.2	-5.9	5.1	-5.2	2.3	-5.4	5.2	-1.6	-4.5	4.7	3.3	-0.6
4.0	-3.1	2.5	-1.8	-2.9	1.7	-3.8	3.6	3.3	-0.3	10.9	-4.9	1.1	-0.2	6.0	-3.5	-1.9	0.2	-10.9	4.8	4.1	1.6
-0.2	-5.7	1.1	-4.5	5.3	-3.6	2.4	4.0	7.4	-4.7	5.6	-7.2	10.4	-8.8	-1.0	-7.8	15.4	-7.2	0.1	3.5	0.9	-2.0
5.0	-8.8	-0.9	-7.9	2.5	9.6	6.2	10.1	7.4	-7.0	-1.3	-5.5	3.4	-11.8	-2.1	-5.4	3.0	12.6	7.1	7.9	8.1	-4.1
5.5	-12.6	-7.3	-11.0	1.5	13.0	6.5	5.3	3.7	-1.4	5.9	-4.7	8.0	-10.8	-9.2	-9.7	4.8	8.2	4.8	4.1	5.0	-0.8
8.0	-22.3	-20.5	-17.0	1.0	42.3	7.9	11.2	-2.1	-2.5	12.6	-7.7	15.1	-20.4	-21.9	-14.2	5.1	33.7	8.1	8.5	-2.0	-0.7
5.3	-2.1	-5.7	-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	0.7	-6.0	-1.5	3.9	-0.2	-2.5	-0.7	5.1	-1.7
-1.4	-6.1	-4.8	-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	-2.4	-6.3	2.4	5.5	-4.8	1.1	-1.5	17.2	-2.5
7.8	-19.5	7.5	-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	-19.0	0.3	-27.5	5.5	8.5	17.6	10.3	5.8	2.0
9.7	-1.9	4.3	-2.8	-0.7	5.0	-2.8	0.8	-3.2	-8.3	7.6	-9.1	10.2	3.1	-4.1	6.7	2.4	-1.8	-3.8	1.2	-1.9	-7.3
3.7	4.5	7.5	-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	6.1	-6.5	21.1	0.6	-3.6	-4.6	3.5	-4.1	-14.8
6.0	-14.5	4.3	-1.6	1.2	8.5	-5.9	-1.9	2.4	1.2	9.7	-9.1	5.5	-3.0	-1.5	-2.0	4.8	5.5	-7.2	-5.4	3.8	2.5
6.4	-4.6	-8.6	10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	-3.6	-12.4	17.7	-3.4	-0.8	1.8	-2.2	-3.9	-0.05
25.4	-0.3	0.02	-6.5	1.1	-5.2	1.4	1.5	-1.3	-2.5	0.8	-6.3	22.2	4.7	-2.0	-6.8	4.1	-5.0	0.4	3.5	-2.6	-3.9
2.8	-6.0	-7.3	-3.8	-2.8	7.4	8.0	0.4	5.4	3.6	3.1	-3.7	6.7	-3.3	-10.5	-1.8	-2.9	4.7	4.8	-0.3	3.7	4.1
3.6	-9.5	-5.7	-0.4	0.6	2.3	-0.5	-2.4	12.2	2.6	8.6	-5.3	5.9	-6.9	-7.7	-0.9	4.3	-1.3	-3.0	-2.6	9.1	3.9
4.9	-10.5	-13.8	-11.8	-6.0	23.5	26.4	-0.2	1.9	-2.0	-2.4	1.2	6.6	-5.8	-14.5	-9.5	-3.5	15.7	20.5	-0.2	1.6	-2.4
0.5	1.1	-3.4	-0.5	-3.3	1.3	0.6	3.0	3.8	9.3	3.5	-6.3	7.4	1.4	-9.4	3.0	-7.4	2.2	-1.1	1.3	1.8	10.1
11.5	-12.6	-1.0	9.3	-6.2	6.5	5.1	-6.1	-4.7	-1.8	-3.2	7.6	12.7	-12.3	8.1	4.3	-5.2	8.6	0.9	-8.5	0.3	-1.7
13.1	-15.4	-1.4	10.8	-6.4	6.3	5.8	-6.6	-6.1	-1.8	-3.5	11.1	14.7	-15.5	9.6	5.5	-6.1	9.1	0.9	-9.9	-0.01	-2.1
4.5	-0.1	1.3	5.5	0.1	8.3	1.8	-7.6	-3.7	-3.2	2.4	-9.4	3.3	2.7	3.9	-1.7	8.3	6.4	1.2	-5.4	-6.6	-1.5
1.9	7.8	-0.2	-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	12.0	-2.4	-1.8	-9.8	4.5	0.6	5.3	13.2	1.9
12.5	-16.5	11.8	-7.2	8.1	-1.4	4.4	7.8	11.9	-5.8	-0.01	-10.4	1.0	-1.4	5.8	-18.2	17.5	0.9	-8.5	10.7	3.7	-3.0
13.0	-23.5	21.8	-8.2	13.2	-3.0	1.8	10.1	14.6	-6.0	0.2	-11.7	-2.6	-3.5	11.8	-22.9	26.7	0.8	-14.4	14.4	3.4	-2.8
17.8	-1.9	-14.9	-0.1	-5.6	0.9	8.0	14.1	4.1	-6.8	-2.9	-6.2	15.7	-0.3	-12.4	-2.7	-4.5	-0.6	7.2	13.7	4.9	-5.1
0.9	14.0	8.6	-10.7	-7.2	5.2	9.6	-9.5	2.5	-2.0	2.4	-6.6	2.5	15.1	5.8	-7.6	-5.4	-0.8	7.6	-10.2	4.4	-1.0
15.1	-1.9	-30.4	1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	-3.5	-29.2	2.8	-4.0	10.9	25.5	-1.5	4.4	-5.5
7.6	-7.2	1.3	0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3	1.1	0.8	0.6	4.4	-1.0	-0.5	0.3	-2.2

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor
Table **1.2a** : Number of Paid Employees of Manufacturing Sector by Sub-sector

	Subsektor Sub-sector	2022	2023	2024	2023				
					Q1	Q2	Q3	Q4	
1.	Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	312,503	331,015	338,698	318,572	319,899	330,045	331,015	
	10 Pembuatan produk makanan <i>Manufacture of food products</i>	294,898	312,950	320,181	300,354	301,781	312,172	312,950	
	11 Pembuatan minuman <i>Manufacture of beverages</i>	16,373	16,805	17,239	16,770	16,865	16,602	16,805	
	12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	1,232	1,259	1,278	1,448	1,254	1,271	1,259	
2.	Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	84,022	85,961	85,907	85,096	85,266	84,763	85,961	
	13 Pembuatan tekstil <i>Manufacture of textiles</i>	27,871	28,303	28,598	28,115	28,376	28,596	28,303	
	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	43,591	44,781	44,142	43,969	44,071	43,253	44,781	
	15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	12,559	12,878	13,167	13,011	12,818	12,914	12,878	
3.	Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	300,117	306,775	309,580	301,925	299,830	302,192	306,775	
	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	94,044	94,250	94,657	92,962	92,665	93,276	94,250	
	17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	58,658	59,265	59,633	59,308	57,626	58,587	59,265	
	18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	70,120	71,281	71,820	70,319	68,955	68,928	71,281	
	31 Pembuatan perabot <i>Manufacture of furniture</i>	77,294	81,979	83,470	79,337	80,585	81,400	81,979	
4.	Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	431,348	431,568	434,208	434,110	426,332	431,355	431,568	
	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	17,817	18,473	18,556	18,486	18,149	18,199	18,473	
	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	104,895	103,545	104,422	107,580	104,293	102,458	103,545	
	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	27,325	27,967	28,795	26,901	27,916	29,297	27,967	
	22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	281,311	281,583	282,435	281,143	275,974	281,401	281,583	
5.	Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	378,084	386,812	391,740	379,977	376,792	384,546	386,812	
	23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	107,304	109,233	109,391	105,623	107,408	109,570	109,233	
	24 Pembuatan logam asas <i>Manufacture of basic metals</i>	111,538	112,157	113,171	112,586	111,152	111,898	112,157	
	25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	159,242	165,423	169,179	161,768	158,233	163,078	165,423	
6.	Produk elektrik dan elektronik <i>Electrical and electronic products</i>	615,997	615,687	621,015	615,782	622,533	623,413	615,687	
	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	416,128	419,283	422,727	414,042	421,479	423,425	419,283	
	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	103,580	102,410	102,993	104,635	102,547	104,452	102,410	
	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	96,289	93,994	95,294	97,105	98,507	95,536	93,994	
7.	Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	213,364	216,739	217,716	215,807	214,921	216,437	216,739	
	29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	86,835	87,614	87,794	87,037	87,085	87,567	87,614	
	30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	43,427	44,306	44,978	44,253	43,751	44,053	44,306	
	32 Pembuatan lain <i>Other manufacturing</i>	40,788	40,976	41,005	40,934	40,492	41,202	40,976	
	33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	42,314	43,843	43,938	43,583	43,593	43,616	43,843	
Pembuatan Manufacturing		Jumlah Total	2,335,435	2,374,557	2,398,863	2,351,269	2,345,574	2,372,752	2,374,557

2024		2023		2024	2023							
Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	
332,701	332,754	338,126	338,698	331,015	338,698	316,809	319,546	318,572	319,127	319,956	319,899	
314,241	314,166	319,899	320,181	312,950	320,181	298,930	301,386	300,354	301,010	301,817	301,781	
17,129	17,336	16,952	17,239	16,805	17,239	16,583	16,717	16,770	16,843	16,874	16,865	
1,331	1,251	1,274	1,278	1,259	1,278	1,296	1,443	1,448	1,274	1,266	1,254	
86,686	86,589	86,253	85,907	85,961	85,907	84,837	84,831	85,096	85,098	85,729	85,266	
28,324	28,640	28,798	28,598	28,303	28,598	28,095	27,854	28,115	28,228	28,559	28,376	
45,474	45,090	44,314	44,142	44,781	44,142	43,879	43,863	43,969	44,052	44,258	44,071	
12,889	12,859	13,141	13,167	12,878	13,167	12,863	13,114	13,011	12,818	12,912	12,818	
303,654	303,328	304,911	309,580	306,775	309,580	302,697	303,581	301,925	300,971	302,970	299,830	
92,030	93,920	93,758	94,657	94,250	94,657	94,568	95,214	92,962	92,289	94,135	92,665	
59,848	58,041	58,867	59,633	59,265	59,633	58,843	59,436	59,308	58,624	57,792	57,626	
68,381	68,032	69,023	71,820	71,281	71,820	70,262	69,878	70,319	69,596	70,361	68,955	
83,395	83,335	83,263	83,470	81,979	83,470	79,024	79,053	79,337	80,462	80,682	80,585	
430,792	428,010	433,125	434,208	431,568	434,208	430,230	431,616	434,110	433,318	431,202	426,332	
18,821	18,324	18,286	18,556	18,473	18,556	17,783	17,989	18,486	18,239	18,209	18,149	
105,483	104,631	102,858	104,422	103,545	104,422	105,650	105,966	107,580	104,791	104,624	104,293	
27,334	28,060	29,377	28,795	27,967	28,795	26,805	26,916	26,901	28,360	28,019	27,916	
279,154	276,996	282,604	282,435	281,583	282,435	279,992	280,746	281,143	281,929	280,350	275,974	
386,423	385,434	391,483	391,740	386,812	391,740	380,545	379,566	379,977	377,496	379,292	376,792	
105,786	107,467	109,851	109,391	109,233	109,391	107,769	105,797	105,623	106,049	106,908	107,408	
113,159	112,183	113,100	113,171	112,157	113,171	112,701	112,481	112,586	111,977	112,081	111,152	
167,479	165,784	168,532	169,179	165,423	169,179	160,075	161,289	161,768	159,471	160,304	158,233	
607,755	616,932	619,540	621,015	615,687	621,015	611,164	615,055	615,782	618,326	620,571	622,533	
409,864	418,676	420,852	422,727	419,283	422,727	410,422	413,081	414,042	417,662	421,194	421,479	
102,916	102,041	102,940	102,993	102,410	102,993	103,746	103,887	104,635	103,268	102,562	102,547	
94,976	96,215	95,747	95,294	93,994	95,294	96,996	98,086	97,105	97,395	96,815	98,507	
215,332	216,548	217,667	217,716	216,739	217,716	215,669	215,772	215,807	214,822	216,027	214,921	
84,973	87,225	87,758	87,794	87,614	87,794	87,000	87,089	87,037	86,924	87,437	87,085	
44,601	44,594	44,931	44,978	44,306	44,978	44,293	44,313	44,253	43,711	43,826	43,751	
41,328	40,972	41,277	41,005	40,976	41,005	40,916	40,892	40,934	40,503	40,738	40,492	
44,429	43,757	43,700	43,938	43,843	43,938	43,460	43,478	43,583	43,684	44,026	43,593	
2,363,344	2,369,595	2,391,104	2,398,863	2,374,557	2,398,863	2,341,951	2,349,967	2,351,269	2,349,159	2,355,748	2,345,574	

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor
Table **1.2a** : Number of Paid Employees of Manufacturing Sector by Sub-sector

Subsektor Sub-sector		Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau		321,987	323,631	330,045	331,773	331,484	331,015
Food, beverages and tobacco							
10	Pembuatan produk makanan Manufacture of food products	303,808	305,925	312,172	313,811	313,598	312,950
11	Pembuatan minuman Manufacture of beverages	16,952	16,539	16,602	16,689	16,622	16,805
12	Pembuatan produk tembakau Manufacture of tobacco products	1,227	1,167	1,271	1,272	1,264	1,259
2. Tekstil, pakaian, kulit dan kasut		84,366	84,095	84,763	84,368	86,006	85,961
Textiles, wearing apparel, leather and footwear							
13	Pembuatan tekstil Manufacture of textiles	28,140	28,549	28,596	28,519	28,433	28,303
14	Pembuatan pakaian Manufacture of wearing apparel	43,521	42,881	43,253	42,777	44,583	44,781
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,704	12,664	12,914	13,072	12,990	12,878
3. Produk kayu, perabot, keluaran kertas dan percetakan		298,729	300,621	302,192	306,093	307,012	306,775
Wood products, furniture, paper products and printing							
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	92,456	92,885	93,276	94,039	95,049	94,250
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	57,112	57,618	58,587	59,353	59,133	59,265
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	68,890	69,227	68,928	70,157	70,901	71,281
31	Pembuatan perabot Manufacture of furniture	80,271	80,892	81,400	82,545	81,929	81,979
4. Petroleum, kimia, getah dan plastik		429,348	431,511	431,355	432,901	432,707	431,568
Petroleum, chemical, rubber and plastic							
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	18,202	18,349	18,199	18,408	18,453	18,473
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	102,983	103,371	102,458	103,829	104,131	103,545
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	28,446	29,157	29,297	29,415	28,071	27,967
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	279,717	280,635	281,401	281,249	282,053	281,583
5. Produk mineral bukan logam, logam asas dan produk logam yang direka		377,958	381,483	384,546	384,787	384,301	386,812
Non-metallic mineral products, basic metal and fabricated metal products							
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	107,795	108,712	109,570	109,021	109,659	109,233
24	Pembuatan logam asas Manufacture of basic metals	111,101	110,940	111,898	112,805	112,006	112,157
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	159,061	161,831	163,078	162,961	162,636	165,423
6. Produk elektrik dan elektronik		610,281	617,325	623,413	621,335	619,211	615,687
Electrical and electronic products							
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	411,396	416,465	423,425	421,955	420,728	419,283
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	102,879	104,815	104,452	104,048	103,012	102,410
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	96,005	96,046	95,536	95,332	95,471	93,994
7. Kelengkapan pengangkutan dan pembuatan lain		217,455	216,445	216,437	216,981	216,662	216,739
Transport equipment and other manufactures							
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	87,860	87,475	87,567	87,763	87,590	87,614
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	44,400	43,820	44,053	44,038	44,156	44,306
32	Pembuatan lain Other manufacturing	41,070	41,066	41,202	41,335	41,317	40,976
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	44,126	44,084	43,616	43,845	43,599	43,843
Pembuatan	Jumlah	2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557
Manufacturing	Total						

2024											
Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
334,249	333,253	332,701	334,073	334,617	332,754	335,027	336,264	338,126	338,329	338,432	338,698
315,935	314,888	314,241	315,542	316,083	314,166	316,507	318,162	319,899	319,968	320,123	320,181
17,041	17,045	17,129	17,275	17,289	17,336	17,274	16,922	16,952	17,086	17,043	17,239
1,272	1,320	1,331	1,256	1,245	1,251	1,245	1,179	1,274	1,275	1,265	1,278
86,619	86,300	86,686	86,617	87,340	86,589	86,065	85,317	86,253	85,480	85,726	85,907
28,464	27,993	28,324	28,453	28,899	28,640	28,547	28,734	28,798	28,660	28,619	28,598
45,202	45,287	45,474	45,314	45,504	45,090	44,693	43,718	44,314	43,599	43,860	44,142
12,953	13,021	12,889	12,850	12,936	12,859	12,825	12,865	13,141	13,221	13,247	13,167
304,136	304,734	303,654	304,902	305,392	303,328	302,367	304,013	304,911	309,032	310,117	309,580
93,472	93,238	92,030	92,893	94,455	93,920	93,974	93,279	93,758	94,318	95,447	94,657
59,457	59,910	59,848	59,082	58,102	58,041	57,797	58,093	58,867	59,728	59,564	59,633
68,570	68,558	68,381	67,899	68,016	68,032	68,063	69,364	69,023	70,855	71,857	71,820
82,638	83,028	83,395	85,027	84,819	83,335	82,533	83,277	83,263	84,130	83,248	83,470
430,409	430,174	430,792	432,975	432,442	428,010	431,584	433,640	433,125	434,916	435,661	434,208
18,245	18,511	18,821	18,538	18,340	18,324	18,405	18,459	18,286	18,537	18,614	18,556
103,959	104,451	105,483	105,321	105,043	104,631	103,731	104,234	102,858	103,939	104,307	104,422
27,305	27,303	27,334	28,522	28,114	28,060	28,554	29,409	29,377	29,526	28,793	28,795
280,900	279,909	279,154	280,594	280,946	276,996	280,894	281,538	282,604	282,913	283,946	282,435
387,410	385,020	386,423	386,062	386,414	385,434	386,640	390,348	391,483	390,751	389,323	391,740
107,161	105,855	105,786	106,568	107,172	107,467	108,192	109,211	109,851	109,884	109,826	109,391
113,533	112,816	113,159	112,910	112,702	112,183	112,176	111,893	113,100	113,072	112,928	113,171
166,716	166,349	167,479	166,585	166,541	165,784	166,273	169,244	168,532	167,795	166,569	169,179
612,053	608,381	607,755	609,925	613,847	616,932	608,374	610,008	619,540	623,069	624,674	621,015
414,252	410,364	409,864	412,304	416,510	418,676	408,852	409,999	420,852	422,801	425,277	422,727
103,051	102,040	102,916	102,560	102,908	102,041	103,128	103,844	102,940	104,362	103,182	102,993
94,750	95,978	94,976	95,061	94,429	96,215	96,394	96,165	95,747	95,906	96,215	95,294
218,037	217,138	215,332	218,043	217,662	216,548	219,396	218,474	217,667	218,496	217,907	217,716
88,016	87,310	84,973	88,425	87,703	87,225	88,128	88,197	87,758	88,590	87,996	87,794
44,728	44,592	44,601	44,452	44,655	44,594	45,332	44,388	44,931	44,421	44,701	44,978
40,834	40,981	41,328	41,017	41,131	40,972	41,704	41,324	41,277	41,483	41,513	41,005
44,459	44,254	44,429	44,148	44,174	43,757	44,231	44,565	43,700	44,001	43,697	43,938
2,372,913	2,365,000	2,363,344	2,372,596	2,377,714	2,369,595	2,369,452	2,378,065	2,391,104	2,400,072	2,401,839	2,398,863

Jadual **1.2b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.2b** : Number of Paid Employees of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2024	2023				2024				2023	2024
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	4.9	5.9	2.3	5.3	5.5	7.4	5.9	4.4	4.0	2.4	2.3	5.9	2.3
10 Pembuatan produk makanan <i>Manufacture of food products</i>	5.0	6.1	2.3	5.4	5.5	7.7	6.1	4.6	4.1	2.5	2.3	6.1	2.3
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.6	2.6	2.6	2.9	3.8	2.8	2.6	2.1	2.8	2.1	2.6	2.6	2.6
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.8	2.2	1.5	2.4	7.1	6.1	2.2	-8.0	-0.2	0.3	1.5	2.2	1.5
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.8	2.3	-0.1	2.4	3.2	3.0	2.3	1.9	1.6	1.8	-0.1	2.3	-0.1
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.5	1.5	1.0	1.9	2.6	2.5	1.5	0.7	0.9	0.7	1.0	1.5	1.0
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	2.6	2.7	-1.4	1.9	3.2	3.2	2.7	3.4	2.3	2.5	-1.4	2.7	-1.4
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2.2	2.5	2.2	4.9	4.5	3.6	2.5	-0.9	0.3	1.8	2.2	2.5	2.2
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2.1	2.2	0.9	2.3	1.8	2.3	2.2	0.6	1.2	0.9	0.9	2.2	0.9
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	0.6	0.2	0.4	1.7	0.4	0.1	0.2	-1.0	1.4	0.5	0.4	0.2	0.4
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.3	1.0	0.6	4.1	1.8	1.7	1.0	0.9	0.7	0.5	0.6	1.0	0.6
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.0	1.7	0.8	3.9	4.6	5.3	1.7	-2.8	-1.3	0.1	0.8	1.7	0.8
31 Pembuatan perabot <i>Manufacture of furniture</i>	0.6	6.1	1.8	0.5	1.0	3.0	6.1	5.1	3.4	2.3	1.8	6.1	1.8
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	2.6	0.1	0.6	1.3	-1.2	-0.4	0.1	-0.8	0.4	0.4	0.6	0.1	0.6
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	4.2	3.7	0.4	4.3	5.1	3.1	3.7	1.8	1.0	0.5	0.4	3.7	0.4
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	3.1	-1.3	0.8	2.2	1.5	0.1	-1.3	-1.9	0.3	0.4	0.8	-1.3	0.8
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	8.9	2.3	3.0	8.5	-0.3	1.6	2.3	1.6	0.5	0.3	3.0	2.3	3.0
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	1.8	0.1	0.3	0.2	-2.7	-1.1	0.1	-0.7	0.4	0.4	0.3	0.1	0.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	1.3	2.3	1.3	0.9	1.3	2.6	2.3	1.7	2.3	1.8	1.3	2.3	1.3
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	1.6	1.8	0.1	0.4	1.1	2.2	1.8	0.2	0.1	0.3	0.1	1.8	0.1
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.4	0.6	0.9	0.3	0.7	0.8	0.6	0.5	0.9	1.1	0.9	0.6	0.9
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	3.9	2.3	1.7	1.8	4.1	3.9	3.5	4.8	3.3	2.3	3.9	2.3
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	5.2	-0.1	0.9	4.2	3.4	2.0	-0.1	-1.3	-0.9	-0.6	0.9	-0.1	0.9
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	6.6	0.8	0.8	5.0	4.4	2.9	0.8	-1.0	-0.7	-0.6	0.8	0.8	0.8
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.5	-1.1	0.6	1.8	0.4	0.2	-1.1	-1.6	-0.5	-1.4	0.6	-1.1	0.6
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.6	-2.4	1.4	3.8	2.3	-0.1	-2.4	-2.2	-2.3	0.2	1.4	-2.4	1.4
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	3.5	1.6	0.5	2.4	1.6	1.8	1.6	-0.2	0.8	0.6	0.5	1.6	0.5
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.6	0.9	0.2	2.4	1.5	1.4	0.9	-2.4	0.2	0.2	0.2	0.9	0.2
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.4	2.0	1.5	2.1	1.8	0.7	2.0	0.8	1.9	2.0	1.5	2.0	1.5
32 Pembuatan lain <i>Other manufacturing</i>	4.0	0.5	0.1	3.6	1.8	1.2	0.5	1.0	1.2	0.2	0.1	0.5	0.1
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	2.1	3.6	0.2	1.7	1.3	4.2	3.6	1.9	0.4	0.2	0.2	3.6	0.2
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	3.4	1.7	1.0	2.8	2.1	2.4	1.7	0.5	1.0	0.8	1.0	1.0

(%)

2023												2024											
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
4.7	5.6	5.3	5.6	5.9	5.5	5.8	6.2	7.4	7.7	6.9	5.9	5.5	4.3	4.4	4.7	4.6	4.0	4.0	3.9	2.4	2.0	2.1	2.3
4.8	5.8	5.4	5.8	6.0	5.5	5.9	6.4	7.7	8.0	7.1	6.1	5.7	4.5	4.6	4.8	4.7	4.1	4.2	4.0	2.5	2.0	2.1	2.3
2.9	2.7	2.9	2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6	2.8	2.0	2.1	2.6	2.5	2.8	1.9	2.3	2.1	2.4	2.5	2.6
0.6	0.8	2.4	9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2	-1.8	-8.5	-8.0	-1.4	-1.6	-0.2	1.5	1.1	0.3	0.2	0.1	1.5
2.5	1.8	2.4	2.8	2.8	3.2	3.1	2.7	3.0	3.1	2.6	2.3	2.1	1.7	1.9	1.8	1.9	1.6	2.0	1.5	1.8	1.3	-0.3	-0.1
1.8	1.2	1.9	2.6	2.8	2.6	2.3	3.3	2.5	2.3	1.6	1.5	1.3	0.5	0.7	0.8	1.2	0.9	1.4	0.6	0.7	0.5	0.7	1.0
2.8	1.8	1.9	2.8	2.5	3.2	3.1	2.3	3.2	3.1	2.9	2.7	3.0	3.2	3.4	2.9	2.8	2.3	2.7	2.0	2.5	1.9	-1.6	-1.4
2.9	3.3	4.9	3.6	3.9	4.5	4.7	2.9	3.6	4.6	3.8	2.5	0.7	-0.7	-0.9	0.3	0.2	0.3	1.0	1.6	1.8	1.1	2.0	2.2
2.2	2.4	2.3	2.7	2.5	1.8	2.1	2.6	2.3	2.5	2.3	2.2	0.5	0.4	0.6	1.3	0.8	1.2	1.2	1.1	0.9	1.0	1.0	0.9
0.7	1.9	1.7	1.5	0.6	0.4	0.6	0.9	0.1	0.7	0.9	0.2	-1.2	-2.1	-1.0	0.7	0.3	1.4	1.6	0.4	0.5	0.3	0.4	0.4
4.0	4.2	4.1	3.9	2.2	1.8	0.6	1.6	1.7	1.8	1.1	1.0	1.0	0.8	0.9	0.8	0.5	0.7	1.2	0.8	0.5	0.6	0.7	0.6
4.1	3.8	3.9	6.4	7.0	4.6	4.8	5.4	5.3	2.8	1.5	1.7	-2.4	-1.9	-2.8	-2.4	-3.3	-1.3	-1.2	0.2	0.1	1.0	1.3	0.8
0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1	5.7	5.1	3.4	2.8	2.9	2.3	1.9	1.6	1.8
2.1	2.8	1.3	-0.5	-0.9	-1.2	-0.8	-0.3	-0.4	0.2	0.4	0.1	0.0	-0.3	-0.8	-0.1	0.3	0.4	0.5	0.5	0.4	0.5	0.7	0.6
4.4	4.1	4.3	5.9	5.4	5.1	3.2	3.8	3.1	4.3	4.4	3.7	2.6	2.9	1.8	1.6	0.7	1.0	1.1	0.6	0.5	0.7	0.9	0.4
3.2	3.7	2.2	2.6	1.7	1.5	0.3	0.9	0.1	0.2	-0.2	-1.3	-1.6	-1.4	-1.9	0.5	0.4	0.3	0.7	0.8	0.4	0.1	0.2	0.8
8.6	8.5	8.5	1.3	0.6	-0.3	0.2	1.7	1.6	1.9	2.2	2.3	1.9	1.4	1.6	0.6	0.3	0.5	0.4	0.9	0.3	0.4	2.6	3.0
0.9	1.8	0.2	-2.1	-2.3	-2.7	-1.5	-1.2	-1.1	-0.3	0.3	0.1	0.3	-0.3	-0.7	-0.5	0.2	0.4	0.4	0.3	0.4	0.6	0.7	0.3
1.3	1.4	0.9	0.8	1.4	1.3	1.3	2.2	2.6	2.5	2.3	2.3	1.8	1.4	1.7	2.3	1.9	2.3	2.3	2.3	1.8	1.5	1.3	1.3
1.0	0.8	0.4	0.5	0.8	1.1	0.7	1.8	2.2	1.8	2.0	1.8	-0.6	0.1	0.2	0.5	0.2	0.1	0.4	0.5	0.3	0.8	0.2	0.1
0.7	0.4	0.3	0.2	0.9	0.7	0.2	0.1	0.8	0.7	0.5	0.6	0.7	0.3	0.5	0.8	0.6	0.9	1.0	0.9	1.1	0.2	0.8	0.9
1.8	2.6	1.7	1.5	2.1	1.8	2.5	3.9	4.1	4.1	3.8	3.9	4.1	3.1	3.5	4.5	3.9	4.8	4.5	4.6	3.3	3.0	2.4	2.3
4.3	4.4	4.2	4.2	4.2	3.4	1.1	1.0	2.0	1.6	0.7	-0.1	0.1	-1.1	-1.3	-1.4	-1.1	-0.9	-0.3	-1.2	-0.6	0.3	0.9	0.9
5.3	5.4	5.0	5.2	5.5	4.4	1.4	1.3	2.9	2.7	1.4	0.8	0.9	-0.7	-1.0	-1.3	-1.1	-0.7	-0.6	-1.6	-0.6	0.2	1.1	0.8
1.3	1.6	1.8	1.6	1.0	0.4	0.6	0.5	0.2	-0.7	-0.8	-1.1	-0.7	-1.8	-1.6	-0.7	0.3	-0.5	0.2	-0.9	-1.4	0.3	0.2	0.6
3.4	3.2	3.8	2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4	-2.3	-2.1	-2.2	-2.4	-2.5	-2.3	0.4	0.1	0.2	0.6	0.8	1.4
3.1	2.6	2.4	2.0	2.4	1.6	2.3	1.9	1.8	1.8	1.8	1.6	1.1	0.6	-0.2	1.5	0.8	0.8	0.9	0.9	0.6	0.7	0.6	0.5
3.1	2.3	2.4	2.2	3.0	1.5	2.1	1.6	1.4	1.6	1.5	0.9	1.2	0.3	-2.4	1.7	0.3	0.2	0.3	0.8	0.2	0.9	0.5	0.2
3.4	2.9	2.1	1.9	2.3	1.8	2.7	1.0	0.7	0.8	1.3	2.0	1.0	0.6	0.8	1.7	1.9	1.9	2.1	1.3	2.0	0.9	1.2	1.5
3.7	3.0	3.6	2.4	2.5	1.8	1.3	1.2	1.2	1.6	1.5	0.5	-0.2	0.2	1.0	1.3	1.0	1.2	1.5	0.6	0.2	0.4	0.5	0.1
2.2	2.4	1.7	1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6	2.3	1.8	1.9	1.1	0.3	0.4	0.2	1.1	0.2	0.4	0.2	0.2
3.0	3.3	2.8	2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7	1.3	0.6	0.5	1.0	0.9	1.0	1.3	1.0	0.8	0.9	1.0	1.0

Jadual 1.2c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table 1.2c : Number of Paid Employees of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024				2023	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.9	0.4	3.2	0.3	0.5	0.02	1.6	0.2	1.4	0.9
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.9	0.5	3.4	0.2	0.4	-0.02	1.8	0.1	1.4	0.8
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.4	0.6	-1.6	1.2	1.9	1.2	-2.2	1.7	1.3	0.8
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	17.5	-13.4	1.4	-0.9	5.7	-6.0	1.8	0.3	5.2	11.4
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.3	0.2	-0.6	1.4	0.8	-0.1	-0.4	-0.4	1.0	0.0
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.9	0.9	0.8	-1.0	0.1	1.1	0.5	-0.7	0.8	-0.9
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	0.9	0.2	-1.9	3.5	1.5	-0.8	-1.7	-0.4	0.7	0.0
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	3.6	-1.5	0.7	-0.3	0.1	-0.2	2.2	0.2	2.4	1.9
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	0.6	-0.7	0.8	1.5	-1.0	-0.1	0.5	1.5	0.9	0.3
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	-1.2	-0.3	0.7	1.0	-2.4	2.1	-0.2	1.0	0.6	0.7
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.1	-2.8	1.7	1.2	1.0	-3.0	1.4	1.3	0.3	1.0
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	0.3	-1.9	-0.04	3.4	-4.1	-0.5	1.5	4.1	0.2	-0.5
31 Pembuatan perabot <i>Manufacture of furniture</i>	2.6	1.6	1.0	0.7	1.7	-0.1	-0.1	0.2	2.2	0.0
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	0.6	-1.8	1.2	0.05	-0.2	-0.6	1.2	0.3	-0.3	0.3
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	3.8	-1.8	0.3	1.5	1.9	-2.6	-0.2	1.5	-0.2	1.2
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.6	-3.1	-1.8	1.1	1.9	-0.8	-1.7	1.5	0.7	0.3
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-1.6	3.8	4.9	-4.5	-2.3	2.7	4.7	-2.0	-1.9	0.4
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-0.1	-1.8	2.0	0.1	-0.9	-0.8	2.0	-0.1	-0.5	0.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	0.5	-0.8	2.1	0.6	-0.1	-0.3	1.6	0.1	0.7	-0.3
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	-1.6	1.7	2.0	-0.3	-3.2	1.6	2.2	-0.4	0.4	-1.8
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.9	-1.3	0.7	0.2	0.9	-0.9	0.8	0.1	1.0	-0.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	-2.2	3.1	1.4	1.2	-1.0	1.7	0.4	0.5	0.8
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-0.03	1.1	0.1	-1.2	-1.3	1.5	0.4	0.2	-0.8	0.6
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-0.5	1.8	0.5	-1.0	-2.2	2.1	0.5	0.4	-1.4	0.6
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.0	-2.0	1.9	-2.0	0.5	-0.8	0.9	0.1	0.2	0.1
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	0.8	1.4	-3.0	-1.6	1.0	1.3	-0.5	-0.5	0.7	1.1
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	1.1	-0.4	0.7	0.1	-0.6	0.6	0.5	0.02	1.1	0.0
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	0.2	0.1	0.6	0.1	-3.0	2.6	0.6	0.04	0.2	0.1
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1.9	-1.1	0.7	0.6	0.7	-0.02	0.8	0.1	2.0	0.0
32 Pembuatan lain <i>Other manufacturing</i>	0.4	-1.1	1.8	-0.5	0.9	-0.9	0.7	-0.7	0.3	-0.1
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	3.0	0.02	0.1	0.5	1.3	-1.5	-0.1	0.5	2.7	0.0
Pembuatan Manufacturing	Jumlah Total	0.7	-0.2	1.2	0.1	-0.5	0.3	0.9	0.3	0.3

(%)

2024																					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
-0.3	0.2	0.3	0.0	0.7	0.5	2.0	0.5	-0.1	-0.1	1.0	-0.3	-0.2	0.4	0.2	-0.6	0.7	0.4	0.6	0.1	0.03	0.1
-0.3	0.2	0.3	0.0	0.7	0.7	2.0	0.5	-0.1	-0.2	1.0	-0.3	-0.2	0.4	0.2	-0.6	0.7	0.5	0.5	0.02	0.05	0.02
0.3	0.4	0.2	-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	0.5	0.9	0.1	0.3	-0.4	-2.0	0.2	0.8	-0.3	1.1
0.3	-12.0	-0.6	-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	0.9	-5.7	-0.8	0.5	-0.5	-5.3	8.1	0.1	-0.8	1.0
0.3	0.0	0.7	-0.5	-1.1	-0.3	0.8	-0.5	1.9	-0.1	0.8	-0.4	0.4	-0.1	0.8	-0.9	-0.6	-0.9	1.1	-0.9	0.3	0.2
0.9	0.4	1.2	-0.6	-0.8	1.5	0.2	-0.3	-0.3	-0.5	0.6	-1.7	1.2	0.5	1.6	-0.9	-0.3	0.7	0.2	-0.5	-0.1	-0.1
0.2	0.2	0.5	-0.4	-1.2	-1.5	0.9	-1.1	4.2	0.4	0.9	0.2	0.4	-0.4	0.4	-0.9	-0.9	-2.2	1.4	-1.6	0.6	0.6
-0.8	-1.5	0.7	-0.7	-0.9	-0.3	2.0	1.2	-0.6	-0.9	0.6	0.5	-1.0	-0.3	0.7	-0.6	-0.3	0.3	2.1	0.6	0.2	-0.6
-0.5	-0.3	0.7	-1.0	-0.4	0.6	0.5	1.3	0.3	-0.1	-0.9	0.2	-0.4	0.4	0.2	-0.7	-0.3	0.5	0.3	1.4	0.4	-0.2
-2.4	-0.7	2.0	-1.6	-0.2	0.5	0.4	0.8	1.1	-0.8	-0.8	-0.3	-1.3	0.9	1.7	-0.6	0.1	-0.7	0.5	0.6	1.2	-0.8
-0.2	-1.2	-1.4	-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8	-0.1	-1.3	-1.7	-0.1	-0.4	0.5	1.3	1.5	-0.3	0.1
0.6	-1.0	1.1	-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	-0.3	-0.7	0.2	0.02	0.05	1.9	-0.5	2.7	1.4	-0.1
0.4	1.4	0.3	-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	2.0	-0.2	-1.8	-1.0	0.9	-0.02	1.0	-1.0	0.3
0.6	-0.2	-0.5	-1.1	0.7	0.5	-0.04	0.4	-0.04	-0.3	-0.3	-0.1	0.1	0.5	-0.1	-1.0	0.8	0.5	-0.1	0.4	0.2	-0.3
2.8	-1.3	-0.2	-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	1.7	-1.5	-1.1	-0.1	0.4	0.3	-0.9	1.4	0.4	-0.3
1.5	-2.6	-0.2	-0.3	-1.3	0.4	-0.9	1.3	0.3	-0.6	0.4	0.5	1.0	-0.2	-0.3	-0.4	-0.9	0.5	-1.3	1.1	0.4	0.1
-0.1	5.4	-1.2	-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	0.1	4.3	-1.4	-0.2	1.8	3.0	-0.1	0.5	-2.5	0.01
0.1	0.3	-0.6	-1.6	1.4	0.3	0.3	-0.1	0.3	-0.2	-0.2	-0.4	-0.3	0.5	0.1	-1.4	1.4	0.2	0.4	0.1	0.4	-0.5
0.1	-0.7	0.5	-0.7	0.3	0.9	0.8	0.1	-0.1	0.7	0.2	-0.6	0.4	-0.1	0.1	-0.3	0.3	1.0	0.3	-0.2	-0.4	0.6
-0.2	0.4	0.8	0.5	0.4	0.9	0.8	-0.5	0.6	-0.4	-1.9	-1.2	-0.1	0.7	0.6	0.3	0.7	0.9	0.6	0.03	-0.1	-0.4
0.1	-0.5	0.1	-0.8	0.0	-0.1	0.9	0.8	-0.7	0.1	1.2	-0.6	0.3	-0.2	-0.2	-0.5	-0.01	-0.3	1.1	-0.03	-0.1	0.2
0.3	-1.4	0.5	-1.3	0.5	1.7	0.8	-0.1	-0.2	1.7	0.8	-0.2	0.7	-0.5	-0.03	-0.5	0.3	1.8	-0.4	-0.4	-0.7	1.6
0.1	0.4	0.4	0.3	-2.0	1.2	1.0	-0.3	-0.3	-0.6	-0.6	-0.6	-0.1	0.4	0.6	0.5	-1.4	0.3	1.6	0.6	0.3	-0.6
0.2	0.9	0.8	0.1	-2.4	1.2	1.7	-0.3	-0.3	-0.3	-1.2	-0.9	-0.1	0.6	1.0	0.5	-2.3	0.3	2.6	0.5	0.6	-0.6
0.7	-1.3	-0.7	0.0	0.3	1.9	-0.3	-0.4	-1.0	-0.6	0.6	-1.0	0.9	-0.3	0.3	-0.8	1.1	0.7	-0.9	1.4	-1.1	-0.2
-1.0	0.3	-0.6	1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	0.1	-0.7	1.9	0.2	-0.2	-0.4	0.2	0.3	-1.0
0.0	-0.5	0.6	-0.5	1.2	-0.5	0.0	0.3	-0.1	0.04	0.6	-0.4	-0.8	1.3	-0.2	-0.5	1.3	-0.4	-0.4	0.4	-0.3	-0.1
-0.1	-0.1	0.6	-0.4	0.9	-0.4	0.1	0.2	-0.2	0.03	0.5	-0.8	-2.7	4.1	-0.8	-0.5	1.0	0.1	-0.5	0.9	-0.7	-0.2
-0.1	-1.2	0.3	-0.2	1.5	-1.3	0.5	-0.03	0.3	0.3	1.0	-0.3	0.02	-0.3	0.5	-0.1	1.7	-2.1	1.2	-1.1	0.6	0.6
0.1	-1.1	0.6	-0.6	1.4	-0.01	0.3	0.3	-0.04	-0.8	-0.3	0.4	0.8	-0.8	0.3	-0.4	1.8	-0.9	-0.1	0.5	0.1	-1.2
0.2	0.2	0.8	-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	-0.6	0.1	-0.9	1.1	0.8	-1.9	0.7	-0.7	0.6
0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	-0.04	-0.1	-0.1	-0.3	-0.1	0.4	0.2	-0.3	-0.01	0.4	0.5	0.4	0.1	-0.1

Jadual **1.3a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor
Table **1.3a** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2024	2023		
				Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	11,028	11,901	12,323	2,912	2,909	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	10,433	11,261	11,643	2,753	2,755	
11 Pembuatan minuman <i>Manufacture of beverages</i>	532	573	615	141	139	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	63	66	66	18	16	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,909	2,013	2,047	503	496	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	673	706	720	172	176	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	913	964	974	245	236	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	323	343	354	86	85	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9,483	9,927	10,169	2,502	2,441	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,584	2,710	2,795	678	662	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,100	2,148	2,162	548	523	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	2,242	2,382	2,497	594	600	
31 Pembuatan perabot <i>Manufacture of furniture</i>	2,556	2,687	2,716	683	655	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	20,969	21,375	21,485	5,355	5,286	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	2,363	2,502	2,526	677	570	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	5,831	5,931	5,843	1,551	1,458	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	789	804	811	188	197	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	11,986	12,139	12,305	2,939	3,061	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	14,412	14,916	15,604	3,765	3,664	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	4,607	4,721	4,881	1,144	1,161	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,180	4,262	4,381	1,128	1,058	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	5,625	5,933	6,342	1,494	1,445	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	29,441	30,130	29,950	7,618	7,483	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	21,078	21,732	21,586	5,463	5,447	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3,939	3,948	3,946	1,007	956	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	4,424	4,451	4,418	1,148	1,080	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	7,287	7,528	7,689	1,862	1,886	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3,526	3,625	3,683	878	913	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,142	1,171	1,232	296	294	
32 Pembuatan lain <i>Other manufacturing</i>	1,300	1,325	1,354	328	324	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1,319	1,407	1,420	359	355	
Pembuatan Manufacturing	Jumlah Total	94,528	97,789	99,268	24,517	24,165

(RM Juta/Million)

2024				2023		2024	
Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)
2,965	3,115	3,042	3,019	3,066	3,197	11,901	12,323
2,810	2,943	2,874	2,855	2,901	3,013	11,261	11,643
139	154	151	149	149	166	573	615
15	18	17	15	16	18	66	66
492	521	515	506	501	525	2,013	2,047
178	180	176	180	181	183	706	720
231	252	251	240	233	250	964	974
83	88	88	86	87	93	343	354
2,448	2,536	2,565	2,514	2,508	2,582	9,927	10,169
677	693	694	689	701	711	2,710	2,795
527	550	554	526	529	553	2,148	2,162
584	605	623	636	613	626	2,382	2,497
660	689	694	664	665	693	2,687	2,716
5,327	5,407	5,345	5,261	5,369	5,510	21,375	21,485
592	664	682	571	597	675	2,502	2,526
1,448	1,473	1,501	1,412	1,440	1,490	5,931	5,843
204	215	191	198	204	218	804	811
3,083	3,055	2,971	3,080	3,127	3,127	12,139	12,305
3,652	3,835	3,947	3,873	3,835	3,949	14,916	15,604
1,183	1,233	1,201	1,211	1,212	1,256	4,721	4,881
1,011	1,065	1,144	1,089	1,054	1,094	4,262	4,381
1,458	1,537	1,602	1,572	1,569	1,600	5,933	6,342
7,334	7,695	7,520	7,395	7,298	7,737	30,130	29,950
5,247	5,574	5,415	5,367	5,214	5,590	21,732	21,586
1,003	983	975	975	1,007	990	3,948	3,946
1,084	1,139	1,130	1,053	1,077	1,158	4,451	4,418
1,850	1,930	1,889	1,932	1,897	1,971	7,528	7,689
898	936	891	932	915	946	3,625	3,683
285	295	307	309	302	313	1,171	1,232
328	345	329	333	338	354	1,325	1,354
338	355	362	359	342	357	1,407	1,420
24,068	25,039	24,823	24,500	24,474	25,470	97,789	99,268

Jadual **1.3a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor (samb.)
Table **1.3a** : *Salaries and Wages Paid of Manufacturing Sector by Sub-sector (cont.)*

Subsektor Sub-sector	2023								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	978	972	962	964	973	972	978	978	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	925	919	909	911	922	921	928	927	
11 Pembuatan minuman <i>Manufacture of beverages</i>	48	47	47	47	46	45	45	45	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	6	6	6	5	5	5	5	5	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	173	164	166	166	167	163	162	163	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	59	56	57	58	59	59	59	59	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	86	79	80	80	79	76	77	76	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	29	29	29	28	28	28	27	27	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	843	832	827	811	823	808	809	816	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	226	228	224	222	222	218	224	226	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	180	186	182	175	174	174	173	175	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	204	193	197	197	203	200	196	197	
31 Pembuatan perabot <i>Manufacture of furniture</i>	233	225	224	217	223	215	216	218	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	1,770	1,753	1,831	1,775	1,747	1,764	1,768	1,783	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	216	212	249	188	187	195	190	194	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	509	512	530	502	472	484	489	483	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	65	61	62	68	64	65	67	69	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	981	968	990	1,017	1,024	1,020	1,022	1,037	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	1,272	1,248	1,244	1,213	1,236	1,215	1,204	1,209	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	393	373	379	379	392	390	389	390	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	382	375	370	356	356	346	336	334	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	498	501	495	478	488	479	479	485	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	2,529	2,571	2,518	2,462	2,518	2,503	2,398	2,438	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	1,794	1,849	1,820	1,801	1,832	1,814	1,712	1,738	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	343	337	327	298	326	332	333	337	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	393	384	371	363	360	357	354	363	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	617	624	621	626	635	624	613	616	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	292	297	289	301	306	306	297	300	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	96	98	103	98	100	96	96	93	
32 Pembuatan lain <i>Other manufacturing</i>	111	109	109	106	110	108	108	110	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	119	120	120	122	119	115	113	113	
Pembuatan Manufacturing	Jumlah Total	8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001

2024															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
1,009	1,012	1,014	1,089	1,046	1,002	994	1,006	1,009	1,003	1,016	1,014	1,036	1,035	1,041	1,121
956	958	957	1,028	989	947	938	950	956	949	962	960	979	977	980	1,055
49	49	51	54	51	50	50	51	49	49	49	49	51	52	55	59
5	5	5	7	6	6	6	5	5	5	5	5	5	6	5	7
168	167	173	181	177	168	170	170	171	166	166	165	170	169	174	183
60	60	60	61	60	57	59	59	61	60	60	60	61	60	61	62
79	78	84	90	87	82	82	82	81	77	78	76	79	78	82	89
29	29	29	30	30	29	29	29	29	29	28	29	30	30	31	32
823	830	835	870	859	857	850	837	845	832	836	834	837	845	851	885
227	229	230	233	234	231	230	231	231	227	235	232	234	235	236	240
179	182	180	188	184	186	183	176	174	175	174	175	179	183	181	188
191	193	199	213	204	210	209	209	214	213	210	206	197	200	207	219
226	226	226	237	237	229	228	221	226	217	217	220	227	227	227	239
1,777	1,783	1,771	1,853	1,778	1,756	1,810	1,764	1,738	1,760	1,771	1,800	1,798	1,810	1,809	1,890
208	217	207	240	216	216	250	188	185	198	194	195	208	219	212	244
476	480	478	515	493	497	510	490	456	467	475	486	479	482	484	523
68	70	67	78	66	62	63	68	65	65	67	69	68	70	68	79
1,024	1,016	1,019	1,021	1,003	981	987	1,017	1,033	1,030	1,036	1,049	1,043	1,039	1,044	1,044
1,239	1,244	1,250	1,341	1,337	1,303	1,307	1,294	1,299	1,280	1,270	1,274	1,290	1,287	1,288	1,374
404	403	408	422	406	393	402	403	405	403	403	402	407	412	417	427
341	342	342	381	391	377	376	371	363	355	350	348	357	350	352	392
494	498	499	539	540	532	530	520	530	522	518	524	527	524	520	555
2,498	2,484	2,478	2,733	2,527	2,523	2,470	2,396	2,480	2,519	2,433	2,399	2,466	2,495	2,493	2,749
1,798	1,787	1,793	1,993	1,810	1,821	1,784	1,736	1,797	1,835	1,739	1,707	1,768	1,792	1,801	1,996
333	327	316	340	330	323	321	303	334	337	339	336	331	328	317	344
367	370	368	400	386	380	365	356	349	347	355	356	366	375	375	408
621	625	628	677	627	633	629	646	649	638	631	633	634	641	642	689
301	303	302	332	298	302	290	309	313	310	303	307	305	308	304	334
96	98	97	99	100	101	107	103	105	102	102	99	102	104	104	106
111	111	111	122	108	109	111	111	112	110	112	113	113	114	115	125
113	113	118	124	120	121	121	123	120	116	114	114	114	115	119	124
8,135	8,146	8,149	8,744	8,350	8,243	8,230	8,112	8,191	8,198	8,124	8,119	8,231	8,282	8,298	8,890

Jadual **1.3b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.3b** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2024	2023				2024				2023	2024
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	6.6	7.9	3.6	7.8	6.9	8.3	8.6	4.5	3.8	3.4	2.6	7.9	3.6
10 Pembuatan produk makanan <i>Manufacture of food products</i>	6.7	7.9	3.4	7.8	6.9	8.3	8.8	4.4	3.6	3.2	2.4	7.9	3.4
11 Pembuatan minuman <i>Manufacture of beverages</i>	4.8	7.7	7.3	6.9	8.3	8.5	7.2	6.7	7.2	7.4	7.9	7.7	7.3
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.6	4.8	-0.6	4.5	8.5	5.2	1.7	-3.5	-1.4	2.2	0.7	4.8	-0.6
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	4.5	5.4	1.7	4.9	7.4	5.8	3.8	2.4	2.0	1.7	0.8	5.4	1.7
13 Pembuatan tekstil <i>Manufacture of textiles</i>	2.4	5.0	1.9	3.5	6.9	6.0	3.5	2.3	2.4	1.6	1.5	5.0	1.9
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	5.8	5.6	1.0	5.7	8.0	5.5	3.5	2.8	1.6	0.9	-1.1	5.6	1.0
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	5.2	6.0	3.3	5.4	6.9	6.2	5.5	1.6	2.1	4.3	4.9	6.0	3.3
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.7	4.7	2.4	4.3	4.4	5.2	4.8	2.5	3.0	2.5	1.8	4.7	2.4
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	5.0	4.9	3.1	4.2	4.5	5.5	5.3	2.5	4.0	3.5	2.5	4.9	3.1
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.1	2.3	0.6	4.7	1.4	1.3	1.6	1.1	0.4	0.5	0.5	2.3	0.6
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.2	6.3	4.8	4.8	7.3	7.8	5.2	4.9	5.9	5.0	3.5	6.3	4.8
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.4	5.1	1.1	3.8	4.2	6.1	6.4	1.7	1.4	0.7	0.6	5.1	1.1
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	3.1	1.9	0.5	5.4	1.2	0.01	1.3	-0.2	-0.5	0.8	1.9	1.9	0.5
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	1.6	5.9	0.9	7.7	7.1	2.6	6.1	0.8	0.2	0.9	1.8	5.9	0.9
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.7	1.7	-1.5	4.5	2.5	0.2	-0.4	-3.2	-3.1	-0.6	1.1	1.7	-1.5
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.0	1.9	0.9	4.6	0.7	0.9	1.9	1.4	0.6	0.3	1.3	1.9	0.9
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	3.1	1.3	1.4	5.5	-0.5	-0.6	1.1	1.1	0.6	1.4	2.3	1.3	1.4
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	4.0	3.5	4.6	3.1	3.1	3.7	4.0	4.8	5.7	5.0	3.0	3.5	4.6
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	6.2	2.5	3.4	1.9	1.3	2.7	3.9	5.0	4.4	2.5	1.8	2.5	3.4
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	3.3	1.9	2.8	3.2	2.8	1.4	0.4	1.5	3.0	4.2	2.7	1.9	2.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	2.8	5.5	6.9	4.1	4.9	6.2	6.8	7.2	8.8	7.6	4.1	5.5	6.9
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	7.4	2.3	-0.6	3.2	4.0	1.8	0.5	-1.3	-1.2	-0.5	0.5	2.3	-0.6
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	9.3	3.1	-0.7	3.7	5.0	2.3	1.4	-0.9	-1.5	-0.6	0.3	3.1	-0.7
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	2.8	0.2	-0.04	1.4	1.7	0.7	-2.7	-3.1	2.0	0.4	0.7	0.2	-0.04
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.1	0.6	-0.7	2.3	0.9	0.2	-0.9	-1.5	-2.5	-0.7	1.6	0.6	-0.7
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	4.2	3.3	2.1	2.3	3.5	3.9	3.5	1.4	2.4	2.6	2.1	3.3	2.1
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.4	2.8	1.6	0.7	2.7	4.3	3.5	1.4	2.0	1.9	1.1	2.8	1.6
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.2	2.5	5.2	2.4	1.7	1.4	4.6	3.7	5.2	6.1	6.1	2.5	5.2
32 Pembuatan lain <i>Other manufacturing</i>	6.1	1.9	2.2	1.0	3.0	0.6	2.9	0.1	2.8	3.1	2.8	1.9	2.2
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.7	6.7	0.9	7.5	7.4	8.5	3.6	0.9	0.9	1.1	0.8	6.7	0.9
Pembuatan	Jumlah Total	5.2	3.5	1.5	4.3	3.6	3.0	2.9	1.2	1.4	1.7	1.7	1.5

																								(%)
2023												2024												
Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
8.3	8.8	6.3	7.0	7.3	6.5	7.2	7.9	9.6	9.8	8.6	7.6	6.9	3.1	3.3	4.4	3.7	3.2	3.9	3.7	2.6	2.2	2.7	3.0	
8.4	9.0	6.1	6.9	7.2	6.4	7.1	8.0	9.7	9.9	8.7	7.8	6.9	3.0	3.2	4.3	3.6	3.0	3.7	3.5	2.5	2.0	2.4	2.7	
7.9	4.0	9.0	7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7	6.6	6.4	7.1	7.3	6.1	8.3	8.1	8.3	6.0	6.3	8.4	9.0	
3.8	4.1	5.6	9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5	-0.9	-5.8	-3.8	-2.6	-2.9	1.4	2.9	2.6	1.1	0.7	0.5	0.9	
4.9	4.2	5.6	7.0	6.9	8.4	6.3	5.5	5.5	5.3	4.0	2.3	2.3	2.4	2.5	2.1	2.0	1.8	2.3	1.3	1.5	1.2	0.3	1.0	
4.1	1.5	4.9	6.8	7.2	6.6	5.8	6.7	5.3	4.5	3.2	3.0	2.6	1.9	2.2	2.3	2.6	2.3	2.7	0.9	1.2	1.0	1.2	2.2	
5.7	5.5	6.0	7.7	6.6	9.8	5.6	5.0	5.9	5.7	4.1	1.0	2.2	3.0	3.4	2.0	1.6	1.2	1.5	0.5	0.6	0.3	-2.1	-1.4	
4.3	5.9	6.1	5.3	7.1	8.5	9.7	4.3	4.9	6.1	5.7	4.8	2.3	1.7	0.9	2.2	1.9	2.1	4.2	4.3	4.5	3.8	5.3	5.6	
4.1	4.5	4.4	4.0	5.0	4.2	5.1	5.5	5.1	5.2	4.7	4.4	1.9	3.0	2.7	3.2	2.7	3.0	3.4	2.3	1.7	1.8	1.9	1.7	
2.5	5.1	5.0	4.7	4.6	4.1	5.4	5.8	5.2	5.8	6.0	4.1	3.5	1.5	2.5	4.0	3.8	4.1	4.8	2.8	2.9	2.3	2.4	2.9	
4.1	5.0	4.9	1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5	2.3	0.3	0.8	0.4	0.3	0.6	1.0	0.4	0.1	0.5	0.7	0.4	
5.1	4.5	4.7	6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4	0.1	8.9	5.8	6.3	5.2	6.3	7.1	4.8	2.9	3.6	4.4	2.5	
4.8	3.3	3.2	2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2	1.5	1.7	1.9	2.0	1.2	0.8	0.3	1.0	0.7	0.6	0.3	0.9	
5.7	6.0	4.7	3.9	0.5	-0.8	-0.2	0.1	0.1	1.4	2.2	0.4	0.4	0.2	-1.2	-0.6	-0.5	-0.2	0.2	1.0	1.2	1.6	2.1	2.0	
8.1	7.3	7.6	8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1	0.1	1.8	0.6	0.4	-1.1	1.2	1.9	0.5	0.2	1.1	2.6	1.7	
4.4	4.6	4.4	5.0	1.4	1.2	0.1	0.4	0.1	0.7	0.2	-1.9	-3.1	-2.8	-3.8	-2.4	-3.4	-3.6	-2.9	0.8	0.5	0.4	1.4	1.6	
6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9	0.7	0.3	0.9	0.3	0.5	0.2	0.5	1.6	1.9	
5.8	6.6	4.1	2.8	-1.2	-2.8	-0.9	-0.8	-0.2	0.8	2.3	0.1	2.3	1.4	-0.4	-0.1	0.8	1.0	1.4	1.2	1.8	2.3	2.5	2.3	
2.9	3.8	2.8	2.7	3.5	3.2	3.2	3.8	4.1	3.8	3.6	4.5	5.1	4.4	5.0	6.7	5.1	5.3	5.5	5.4	4.1	3.5	3.1	2.4	
4.0	1.6	0.1	0.2	1.8	2.0	1.6	3.0	3.7	3.3	4.4	4.0	3.5	5.5	6.1	6.5	3.5	3.2	3.6	3.1	0.8	2.2	2.1	1.3	
3.4	3.3	2.8	2.7	3.3	2.3	2.2	1.1	1.0	0.5	0.2	0.5	2.3	0.7	1.4	4.1	2.1	2.8	4.1	4.1	4.5	2.5	2.7	2.9	
1.6	5.8	5.0	4.8	5.0	4.8	5.4	6.4	6.7	6.8	5.6	8.0	8.5	6.3	6.9	8.8	8.6	8.9	8.1	8.2	6.6	5.2	4.1	3.0	
2.3	3.2	4.0	3.7	4.8	3.4	2.0	1.6	1.7	1.3	1.2	-0.8	-0.1	-1.8	-1.9	-2.7	-1.5	0.7	1.4	-1.6	-1.3	0.4	0.6	0.6	
2.8	4.2	4.1	4.6	6.4	4.1	2.5	2.1	2.4	2.2	2.1	0.2	0.9	-1.5	-2.0	-3.6	-1.9	1.1	1.6	-1.8	-1.6	0.3	0.4	0.2	
0.3	1.3	2.7	2.1	1.7	1.2	1.5	0.8	0.0	-1.2	-2.8	-4.1	-3.6	-4.0	-1.8	1.8	2.4	1.7	1.9	-0.1	-0.5	0.5	0.2	1.4	
1.7	0.5	4.8	1.0	0.2	1.6	0.2	0.1	0.1	-0.4	0.6	-2.6	-1.7	-1.3	-1.6	-1.7	-3.0	-2.7	0.2	-1.9	-0.3	1.2	1.8	1.9	
2.4	2.3	2.2	1.6	5.1	3.8	4.4	3.8	3.6	3.6	3.7	3.4	1.6	1.4	1.3	3.1	2.1	2.2	2.8	2.7	2.2	2.4	2.2	1.7	
1.0	0.4	0.9	0.3	4.3	3.7	5.0	4.1	3.8	3.9	3.7	2.9	2.4	1.6	0.3	2.8	2.1	1.2	1.9	2.2	1.5	1.9	0.8	0.6	
3.7	2.7	1.0	0.7	2.4	2.0	2.2	1.0	0.8	3.1	5.2	5.6	4.4	3.1	3.5	4.6	5.0	6.0	6.4	5.8	6.0	5.5	6.3	6.4	
0.3	0.1	2.8	1.9	6.1	1.2	0.9	0.3	0.7	3.5	2.8	2.3	-2.3	0.3	2.3	4.9	1.1	2.4	4.3	2.8	2.1	2.5	3.6	2.3	
7.0	9.1	6.4	5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1	0.9	0.7	1.0	0.8	0.7	1.4	1.0	1.5	0.8	1.2	0.8	0.4	
4.0	4.6	4.2	3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1	2.0	1.0	0.7	1.2	1.1	1.8	2.4	1.5	1.2	1.7	1.8	1.7	

Jadual **1.3c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table **1.3c** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024				2023		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.6	-0.1	1.9	5.1	-2.3	-0.8	1.6	4.3	-3.3	-0.6	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.7	0.1	2.0	4.7	-2.4	-0.7	1.6	3.9	-3.1	-0.6	
11 Pembuatan minuman <i>Manufacture of beverages</i>	-1.4	-1.9	0.2	10.5	-1.9	-1.4	0.4	11.1	-6.8	-2.6	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	0.9	-11.6	-2.6	17.1	-4.4	-9.6	0.9	15.4	-17.0	7.0	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	0.2	-1.4	-0.7	5.9	-1.1	-1.9	-1.0	4.9	-2.2	-5.0	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-1.3	2.1	1.3	1.4	-2.5	2.2	0.5	1.3	-0.6	-4.2	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	0.3	-3.6	-1.9	9.1	-0.3	-4.8	-2.6	7.0	-4.3	-7.2	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	3.2	-2.1	-1.6	6.2	-0.6	-1.7	0.6	6.8	1.2	-0.3	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	3.3	-2.4	0.3	3.6	1.1	-2.0	-0.3	2.9	1.1	-1.3	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2.9	-2.2	2.3	2.3	0.2	-0.8	1.8	1.3	0.8	0.8	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.3	-4.5	0.6	4.4	0.8	-5.1	0.7	4.4	-3.4	3.0	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	3.4	1.1	-2.8	3.6	3.0	2.1	-3.6	2.1	0.8	-5.3	
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.5	-4.0	0.7	4.4	0.8	-4.3	0.1	4.2	5.6	-3.3	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	0.3	-1.3	0.8	1.5	-1.1	-1.6	2.1	2.6	-4.1	-1.0	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	8.2	-15.8	4.0	12.0	2.8	-16.4	4.7	13.0	-4.7	-1.5	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	4.9	-6.0	-0.7	1.7	1.9	-5.9	1.9	3.5	-3.1	0.5	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-10.7	4.6	3.5	5.4	-11.2	3.8	3.2	6.5	-14.2	-5.5	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-2.8	4.2	0.7	-0.9	-2.8	3.7	1.5	-0.01	-3.8	-1.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	2.1	-2.7	-0.3	5.0	2.9	-1.9	-1.0	3.0	-0.8	-1.9	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	-3.7	1.5	1.9	4.2	-2.6	0.8	0.1	3.6	-3.2	-5.1	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	6.3	-6.2	-4.4	5.3	7.4	-4.8	-3.3	3.8	1.0	-1.9	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	3.8	-3.2	0.9	5.4	4.2	-1.9	-0.2	2.0	-0.3	0.7	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-0.5	-1.8	-2.0	4.9	-2.3	-1.7	-1.3	6.0	-8.2	1.6	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-0.6	-0.3	-3.7	6.2	-2.8	-0.9	-2.8	7.2	-9.8	3.1	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-0.4	-5.0	4.9	-2.0	-0.8	-0.01	3.3	-1.7	-3.3	-1.7	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-0.1	-6.0	0.4	5.0	-0.8	-6.9	2.3	7.5	-4.4	-2.1	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	-0.1	1.3	-1.9	4.4	-2.2	2.3	-1.8	3.9	-5.8	1.1	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-2.9	4.0	-1.6	4.2	-4.8	4.6	-1.8	3.4	-9.6	1.9	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	5.1	-0.9	-2.9	3.5	4.2	0.5	-2.1	3.5	1.7	2.0	
32 Pembuatan lain <i>Other manufacturing</i>	-2.0	-1.4	1.3	5.1	-4.7	1.2	1.6	4.9	-7.4	-1.5	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.8	-0.9	-4.8	4.8	2.1	-0.9	-4.7	4.5	0.3	0.9	
Pembuatan	Jumlah Total	0.8	-1.4	-0.4	4.0	-0.9	-1.3	-0.1	4.1	-4.4	-0.2

(%)

2024																					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
-1.1	0.2	1.0	-0.1	0.6	-0.02	3.3	0.3	0.1	7.4	-4.0	-4.1	-0.9	1.2	0.3	-0.6	1.3	-0.2	2.2	-0.1	0.6	7.7
-1.1	0.2	1.2	-0.1	0.7	-0.02	3.1	0.3	-0.1	7.4	-3.8	-4.2	-0.9	1.3	0.6	-0.7	1.4	-0.2	2.0	-0.2	0.3	7.6
-0.2	1.6	-3.3	-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	1.8	-4.4	1.3	-0.9	0.5	4.9	0.6	6.9	6.3
-3.6	-10.5	-1.3	-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	-9.4	-1.6	3.9	-0.7	-4.1	7.2	3.2	-0.9	27.2
0.8	0.3	0.7	-2.7	-0.2	0.1	3.1	-0.3	3.6	4.6	-2.1	-5.0	0.9	-0.1	0.5	-3.0	0.3	-0.9	3.3	-0.6	2.7	5.3
1.9	0.8	2.8	-1.2	0.2	1.1	0.9	-0.3	0.4	1.3	-1.0	-4.8	2.2	0.9	3.1	-1.5	0.5	-0.6	1.3	-0.5	0.6	2.3
0.5	0.5	-0.9	-4.2	0.6	-1.1	4.0	-0.8	7.3	7.6	-3.2	-6.5	0.9	-0.8	-1.3	-4.6	0.9	-2.0	4.1	-1.1	4.7	8.4
-0.6	-1.4	0.6	-1.8	-3.4	1.7	5.3	1.2	0.1	2.4	-1.3	-0.8	-1.4	-0.2	0.3	-1.6	-1.4	1.8	5.5	0.5	1.6	2.7
-0.5	-2.0	1.5	-1.8	0.1	0.8	0.9	0.9	0.6	4.2	-1.4	-0.2	-0.8	-1.5	1.0	-1.6	0.5	-0.2	0.3	0.9	0.8	4.0
-1.5	-1.0	0.2	-2.0	2.9	0.7	0.5	1.0	0.4	1.2	0.2	-1.1	-0.5	0.5	0.004	-1.7	3.6	-1.2	0.7	0.4	0.5	1.7
-2.0	-3.8	-0.8	0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	-4.1	-0.8	0.6	-0.6	0.6	2.2	2.2	-1.2	4.0
2.2	-0.3	3.4	-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	0.1	2.4	-0.4	-1.7	-1.5	-4.7	1.5	3.7	5.4
-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.002	-3.1	-0.5	-2.9	2.1	-4.2	0.2	1.5	3.2	-0.1	0.01	5.1
4.5	-3.1	-1.5	0.9	0.2	0.9	-0.4	0.3	-0.7	4.7	-4.1	-1.2	3.1	-2.6	-1.5	1.2	0.7	1.6	-0.1	0.7	-0.1	4.5
17.2	-24.6	-0.5	4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	-24.8	-1.9	7.0	-1.9	0.8	6.6	5.2	-3.0	14.9
3.7	-5.3	-6.1	2.6	1.1	-1.3	-1.3	0.8	-0.5	7.8	-4.3	0.9	2.6	-3.9	-7.1	2.4	1.8	2.4	-1.6	0.7	0.5	8.1
0.5	9.7	-4.9	0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	8.4	-5.3	0.9	2.2	4.1	-1.6	2.7	-2.5	15.7
2.3	2.7	0.7	-0.4	0.2	1.5	-1.2	-0.8	0.3	0.2	-1.7	-2.2	0.6	3.0	1.6	-0.3	0.6	1.3	-0.6	-0.3	0.4	-0.02
-0.3	-2.5	1.9	-1.7	-0.9	0.4	2.5	0.3	0.5	7.3	-0.3	-2.6	0.3	-1.0	0.3	-1.5	-0.7	0.3	1.3	-0.2	0.1	6.6
1.7	-0.1	3.5	-0.4	-0.3	0.3	3.6	-0.1	1.2	3.3	-3.6	-3.3	2.3	0.3	0.6	-0.7	0.1	-0.2	1.2	1.3	1.0	2.4
-1.2	-3.8	-0.1	-2.9	-2.9	-0.5	2.1	0.1	0.2	11.1	2.8	-3.5	-0.5	-1.2	-2.1	-2.2	-1.6	-0.5	2.5	-1.8	0.4	11.4
-1.1	-3.5	2.1	-1.9	0.0	1.2	2.0	0.8	0.2	7.9	0.2	-1.4	-0.5	-1.7	1.9	-1.6	-0.7	1.2	0.5	-0.4	-0.8	6.8
-2.0	-2.2	2.3	-0.6	-4.2	1.6	2.5	-0.6	-0.3	10.3	-7.6	-0.1	-2.1	-3.0	3.5	1.6	-3.4	-1.4	2.8	1.2	-0.1	10.3
-1.6	-1.1	1.7	-0.9	-5.7	1.5	3.5	-0.6	0.3	11.1	-9.2	0.6	-2.0	-2.7	3.5	2.1	-5.2	-1.9	3.6	1.4	0.5	10.9
-2.8	-8.9	9.4	1.8	0.2	1.2	-1.0	-2.0	-3.2	7.4	-2.7	-2.1	-0.6	-5.5	10.0	1.1	0.4	-0.8	-1.5	-1.0	-3.4	8.7
-3.6	-2.1	-0.7	-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	-2.2	-2.0	-0.6	2.2	0.4	2.7	2.4	0.1	8.7
-0.4	0.8	1.4	-1.7	-1.8	0.4	0.8	0.8	0.4	7.8	-7.4	0.9	-0.5	2.6	0.5	-1.6	-1.2	0.3	0.2	1.0	0.1	7.3
-2.5	3.9	1.9	-0.02	-3.0	1.1	0.2	0.6	-0.3	10.0	-10.0	1.1	-3.8	6.4	1.2	-0.9	-2.3	1.4	-0.5	0.9	-1.4	9.8
5.4	-4.8	1.5	-3.5	-0.5	-2.3	3.0	2.1	-0.8	2.0	0.6	0.7	5.9	-3.8	1.8	-2.6	-0.2	-2.8	3.2	1.6	0.0	2.0
0.1	-2.8	4.3	-2.7	0.1	1.8	1.1	0.5	-0.1	9.9	-11.6	1.1	2.0	-0.3	0.5	-1.4	2.0	0.3	0.3	1.0	0.9	8.6
-0.3	1.8	-2.4	-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	1.5	-2.4	-3.0	-1.9	0.2	-0.5	0.9	3.5	4.6
0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4	1.0	0.1	-0.9	-0.1	1.4	0.6	0.2	7.1

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	8,809	9,315	9,950	2,269	2,393	2,327
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,714	6,056	6,001	1,450	1,487	1,552
	10201 Pengetinan ikan, krustasea dan moluska						
	&						
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,391	5,670	5,575	1,357	1,392	1,458
	Industri lain	323	386	426	93	94	94
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,808	2,368	2,625	517	600	620
	10303 Pengetinan nanas						
	&						
	10304 Pembuatan jem, marmalad dan sajian jeli	357	564	637	113	145	150
	Industri lain	1,451	1,804	1,988	404	455	470
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	190,130	168,839	186,675	39,293	39,599	42,807
	10404 Pembuatan minyak sayuran mentah dan bertapis						
	&						
	10406 Pembuatan sebatian lemak masakan	20,492	20,650	21,020	4,976	5,227	5,286
	10405 Pembuatan minyak kelapa	1,536	1,231	1,653	315	271	307
	Industri lain	168,102	146,958	164,002	34,003	34,101	37,214
105	Pembuatan produk tenusu	12,117	12,107	11,884	3,056	3,180	2,933
	10502 Pembuatan susu pekat, tepung dan sejat	11,313	11,271	10,781	2,871	2,982	2,707
	Industri lain	804	836	1,104	184	199	226
106	Pembuatan produk bijian, kanji dan produk berkanji	10,613	11,151	12,383	2,757	2,802	2,767
	10611 Pengilangan beras	5,201	5,367	6,000	1,340	1,388	1,321
	10613 Pengilangan tepung	5,075	5,460	6,038	1,334	1,337	1,366
	Industri lain	336	324	345	83	77	79
107	Pembuatan produk makanan lain	58,413	63,250	71,016	14,981	15,669	15,954
	10711 Pembuatan biskut dan cookies	3,287	4,043	4,658	839	952	1,060
	10712 Pembuatan roti, kek dan produk bakeri lain	12,482	13,821	14,929	3,403	3,608	3,495
	10713 Pembuatan produk snek	2,830	3,309	4,201	698	797	859
	10721 Pembuatan gula	5,200	6,114	7,018	1,271	1,475	1,609
	10731 Pembuatan produk koko	3,402	3,612	5,556	903	869	887
	10732 Pembuatan coklat dan produk coklat						
	&						
	10733 Pembuatan konfeksi gula	14,094	13,784	14,718	3,441	3,448	3,365
	10793 Pembuatan sos dan bahan perasa	2,267	2,437	2,763	569	575	621
	10799 Pembuatan produk makanan lain t.t.t.l.	6,300	6,636	6,855	1,610	1,582	1,631
	Industri lain	8,552	9,493	10,319	2,247	2,364	2,427
108/ 10800	Pembuatan makanan haiwan tersedia	16,492	19,358	19,231	4,349	4,993	5,139
110	Pembuatan minuman ringan	12,717	13,055	14,226	3,204	3,131	3,284
	11041 Pembuatan minuman ringan	6,725	7,141	8,110	1,695	1,676	1,839
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,350	1,400	1,449	334	345	372
	Industri lain	4,643	4,514	4,667	1,174	1,111	1,073
120/ 12000	Pembuatan produk tembakau	3,410	4,010	4,345	1,196	996	807
131	Pemintalan, penenunan dan penyiapan tekstil	6,520	5,716	5,874	1,481	1,486	1,383
	13110 Penyediaan dan pemintalan gentian tekstil						
	&						
	13120 Penenunan tekstil	4,842	4,266	4,251	1,147	1,138	1,012
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,625	1,413	1,592	324	338	362
	Industri lain	53	37	32	11	9	9
139	Pembuatan tekstil lain	5,132	5,688	6,377	1,415	1,380	1,387
	13910 Pembuatan fabrik dikait dan dikrusye	2,306	2,264	2,397	584	569	546
	Industri lain	2,825	3,424	3,980	831	811	841
141	Pembuatan pakaian, kecuali pakaian berbulu	8,945	9,388	9,634	2,410	2,263	2,276
	14102 Pembuatan pakaian	7,847	8,293	8,329	2,096	2,009	2,029
	Industri lain	1,098	1,095	1,305	314	254	247
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	408	485	542	123	111	115
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,857	1,997	2,190	508	439	466
152	Pembuatan kasut	781	879	843	215	210	215
	15201 Pembuatan kasut kulit						
	&						
	15203 Pembuatan kasut getah	498	578	579	138	135	143
	Industri lain	282	301	264	77	75	72
161/ 16100	Pengilangan dan pengetaman kayu	6,672	6,495	5,999	1,965	1,378	1,458

							Group Description/Period
2024					2023	2024	
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
2,326	2,401	2,478	2,479	2,592	9,315	9,950	Processing and preserving of meat
1,568	1,496	1,498	1,492	1,515	6,056	6,001	Processing and preserving of fish, crustaceans and molluscs
1,463	1,391	1,392	1,385	1,406	5,670	5,575	Canning of fish, crustaceans and molluscs
105	105	106	106	109	386	426	Processing, curing and preserving of fish, crustacean and molluscs
630	640	664	659	662	2,368	2,625	Other industry
156	154	157	159	167	564	637	Processing and preserving of fruits and vegetable
474	486	507	499	496	1,804	1,988	Pineapple canning
47,140	39,213	43,322	49,828	54,312	168,839	186,675	Manufacture of jams, marmalades and table jellies
5,162	5,065	4,709	5,468	5,779	20,650	21,020	Other industry
338	369	371	440	473	1,231	1,653	Manufacture of vegetable and animal oils and fats
41,640	33,779	38,243	43,921	48,060	146,958	164,002	Manufacture of crude and refined vegetable oil
2,938	2,855	2,912	2,983	3,134	12,107	11,884	Manufacture of compound cooking fats
2,710	2,621	2,641	2,678	2,841	11,271	10,781	Manufacture of coconut oil
227	234	272	305	293	836	1,104	Other industry
2,824	2,927	3,103	3,150	3,204	11,151	12,383	Manufacture of dairy products
1,317	1,382	1,527	1,557	1,532	5,367	6,000	Manufacture of condensed, powdered and evaporated milk
1,423	1,455	1,485	1,510	1,589	5,460	6,038	Other industry
84	89	91	83	83	324	345	Manufacture of grain mill products, starches and starch products
16,646	16,626	17,557	17,918	18,915	63,250	71,016	Rice milling
1,193	1,075	1,127	1,198	1,257	4,043	4,658	Flour milling
3,315	3,430	3,628	3,851	4,019	13,821	14,929	Other industry
955	988	1,091	1,050	1,072	3,309	4,201	Manufacture of other food products
1,759	1,626	1,731	1,778	1,883	6,114	7,018	Manufacture of biscuits and cookies
953	1,109	1,346	1,419.2	1,682	3,612	5,556	Manufacture of bread, cakes and other bakery products
3,531	3,540	3,720	3,633	3,826	13,784	14,718	Manufacture of snack products
672	666	706	668	722	2,437	2,763	Manufacture of sugar
1,813	1,680	1,609	1,717	1,848	6,636	6,855	Manufacture of cocoa products
2,455	2,513	2,598	2,603	2,604	9,493	10,319	Manufacture of chocolate and chocolate products
4,876	4,704	4,944	4,845	4,737	19,358	19,231	Manufacture of sugar confectionery
3,436	3,399	3,387	3,592	3,849	13,055	14,226	Manufacture of sauces and condiments
1,931	1,885	1,889	2,098	2,238	7,141	8,110	Manufacture of other food products n.e.c.
349	341	345	373	391	1,400	1,449	Other industry
1,156	1,174	1,153	1,120	1,219	4,514	4,667	Manufacture of prepared animal feeds
1,010	1,307	1,114	885	1,039	4,010	4,345	Manufacture of beverages
1,365	1,480	1,587	1,423	1,384	5,716	5,874	Manufacture of soft drinks
968	1,077	1,152	1,023	999	4,266	4,251	Production of natural mineral waters and other bottled waters
389	395	428	392	377	1,413	1,592	Other industry
8	9	7	8	8	37	32	Manufacture of tobacco products
1,506	1,637	1,577	1,558	1,605	5,688	6,377	Spinning, weaving and finishing of textiles
565	617	603	602	576	2,264	2,397	Preparation and spinning of textile fibres
941	1,020	974	957	1,029	3,424	3,980	Weaving of textiles
2,439	2,506	2,312	2,399	2,417	9,388	9,634	Dyeing, bleaching, printing and finishing of yarns and fabrics
2,159	2,186	1,999	2,069	2,075	8,293	8,329	Other industry
280	321	313	330	342	1,095	1,305	Manufacture of wearing apparel, except fur apparel
136	149	127	131	134	485	542	Manufacture of clothings
584	541	451	526	672	1,997	2,190	Other industry
240	230	209	196	207	879	843	Manufacture of articles of fur, knitted and crocheted apparel
163	156	138	137	149	578	579	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
77	74	72	60	59	301	264	Manufacture of footwear
1,694	1,798	1,307	1,342	1,552	6,495	5,999	Manufacture of leather footwear
							Manufacture of rubber footwear
							Other industry
							Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023										
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
101	Pemprosesan dan pengawetan daging	733	772	765	802	803	789	760	782	784	784	797
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	512	457	481	466	524	496	520	514	518	534	526
10201 & 10202	Pengetinan ikan, krustasea dan moluska	482	426	449	436	491	465	491	483	483	500	490
	Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	30	31	32	30	33	31	29	31	34	34	35
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	160	165	192	187	202	210	204	201	215	212	215
10303 & 10304	Pengetinan nanas	34	36	43	41	49	55	50	48	52	54	53
	Pembuatan jem, marmalad dan sajian jeli Industri lain	126	129	149	147	153	155	154	153	163	158	161
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	13,900	13,145	12,248	12,871	13,339	13,388	12,867	13,984	15,956	16,104	15,540
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	1,582	1,687	1,707	1,711	1,821	1,695	1,671	1,780	1,834	1,792	1,628
10405	Pembuatan sebatian lemak masakan	119	103	93	82	103	86	95	105	107	117	100
	Pembuatan minyak kelapa Industri lain	12,199	11,355	10,449	11,078	11,415	11,607	11,100	12,098	14,016	14,195	13,811
105	Pembuatan produk tenusu	975	1,001	1,080	1,068	1,091	1,022	951	1,008	974	997	1,014
10502	Pembuatan susu pekat, tepung dan sejat Industri lain	908	943	1,020	1,007	1,023	952	880	933	895	918	938
		67	58	60	61	67	70	71	75	79	79	76
106	Pembuatan produk bijian, kanji dan produk berkanji	872	931	955	936	970	896	891	919	957	953	944
10611 & 10613	Pengilangan beras	400	470	470	468	493	426	427	437	457	448	435
	Pengilangan tepung Industri lain	443	434	457	441	451	445	438	456	472	477	482
		29	27	27	26	26	25	26	25	28	28	28
107	Pembuatan produk makanan lain	4,918	4,979	5,084	4,976	5,442	5,252	5,151	5,362	5,441	5,530	5,633
10711 & 10712	Pembuatan biskut dan cookies	265	286	288	288	333	331	351	353	356	384	410
10713	Pembuatan roti, kek dan produk bakeri lain	1,146	1,094	1,163	1,108	1,265	1,234	1,181	1,212	1,103	1,110	1,111
10721	Pembuatan produk snek	218	225	255	251	277	268	265	289	305	309	327
10731	Pembuatan gula	417	429	425	425	502	548	507	529	572	592	605
10732	Pembuatan produk koko	295	328	280	280	309	280	296	295	296	321	320
10732 & 10733	Pembuatan coklat dan produk coklat	1,156	1,136	1,148	1,136	1,214	1,098	1,071	1,135	1,159	1,155	1,204
10733	Pembuatan konfeksi gula	176	194	199	203	177	195	190	208	223	223	223
10793	Pembuatan sos dan bahan perasa	521	539	549	528	551	503	498	542	592	609	614
10799	Pembuatan produk makanan lain t.t.t.l. Industri lain	724	748	775	757	814	794	792	799	836	828	820
108/10800	Pembuatan makanan haiwan tersedia	1,400	1,432	1,518	1,616	1,698	1,680	1,712	1,711	1,717	1,729	1,668
110	Pembuatan minuman ringan	1,047	1,043	1,114	1,118	1,049	964	1,065	1,124	1,095	1,231	1,117
11041 & 11042	Pembuatan minuman ringan	537	556	603	606	543	527	633	619	587	685	616
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	101	113	121	121	115	108	119	127	126	123	117
		410	374	390	391	391	329	313	377	383	423	384
120/12000	Pembuatan produk tembakau	394	349	452	359	376	262	258	286	263	350	338
131	Pemintalan, penenunan dan penyiapan tekstil	510	465	506	486	510	490	470	478	435	444	458
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	397	360	390	376	398	365	352	352	308	310	325
13132	Penenunan tekstil	110	101	113	107	109	122	115	123	124	131	131
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4	3	3	3	3	3	3	3	3	3	3
139	Pembuatan tekstil lain	473	473	469	459	459	462	455	462	469	493	510
13910	Pembuatan fabrik dikait dan dikrusye Industri lain	194	195	195	190	189	190	181	184	180	187	191
		279	278	274	269	270	272	274	278	289	306	319
141	Pembuatan pakaian, kecuali pakaian berbulu	800	806	804	761	769	733	774	746	756	786	845
14102	Pembuatan pakaian Industri lain	704	703	689	674	685	650	693	668	668	694	747
		97	102	115	87	84	83	81	78	89	91	98
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	39	41	42	37	37	37	36	35	43	46	48
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	171	165	173	151	151	137	140	154	172	190	206
152	Pembuatan kasut	74	69	72	73	70	67	69	75	71	77	81
15201 & 15203	Pembuatan kasut kulit	49	44	46	46	45	44	45	50	48	52	55
	Pembuatan kasut getah Industri lain	25	25	27	26	25	23	24	25	23	25	26
161/16100	Pengilangan dan pengetaman kayu	618	631	716	560	452	366	382	555	522	583	564

2024													Group Description/Period
Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
745	789	810	803	823	843	811	808	824	847	870	902	820	Processing and preserving of meat
508	531	474	491	495	506	497	494	495	503	507	503	505	Processing and preserving of fish, crustaceans and molluscs
473	495	439	458	463	470	459	459	458	468	471	466	469	Canning of fish, crustaceans and molluscs
35	36	35	34	32	37	37	35	37	35	36	37	36	Processing, curing and preserving of fish, crustacean and molluscs
													Other industry
204	221	206	214	218	226	220	222	218	218	229	219	214	Processing and preserving of fruits and vegetable
49	52	49	53	51	54	53	53	51	55	58	57	52	Pineapple canning
155	169	156	161	167	173	167	169	167	163	171	162	162	Manufacture of jams, marmalades and table jellies
													Other industry
15,496	15,661	11,973	11,579	13,939	14,540	14,843	15,891	17,241	16,696	18,312	17,874	18,126	Manufacture of vegetable and animal oils and fats
1,741	1,836	1,604	1,625	1,461	1,550	1,698	1,716	1,843	1,908	1,928	1,854	1,997	Manufacture of crude and refined vegetable oil
121	120	127	122	108	129	134	152	142	145	150	165	159	Manufacture of compound cooking fats
13,634	13,705	10,243	9,832	12,371	12,861	13,010	14,023	15,256	14,643	16,234	15,856	15,970	Manufacture of coconut oil
													Other industry
927	927	932	995	979	998	936	950	1,034	999	1,003	1,096	1,036	Manufacture of dairy products
854	845	856	919	899	902	840	852	933	893	904	997	940	Manufacture of condensed, powdered and evaporated milk
72	82	76	76	80	96	96	98	101	106	99	98	95	Other industry
927	981	917	1,029	1,013	1,058	1,032	1,012	1,051	1,086	1,097	1,064	1,043	Manufacture of grain mill products, starches and starch products
435	450	424	509	502	526	500	502	517	539	529	501	502	Rice milling
465	501	465	490	480	502	502	483	507	520	541	535	512	Flour milling
28	30	28	31	31	30	30	28	28	27	27	28	28	Other industry
5,483	5,573	5,383	5,670	5,714	6,063	5,780	5,775	6,021	6,121	6,327	6,315	6,274	Manufacture of other food products
399	368	334	373	372	378	377	401	394	403	434	411	412	Manufacture of biscuits and cookies
1,094	1,173	1,103	1,155	1,203	1,236	1,189	1,221	1,304	1,327	1,320	1,331	1,368	Manufacture of bread, cakes and other bakery products
319	339	300	349	349	384	359	361	345	344	367	352	353	Manufacture of snack products
562	535	539	552	554	611	566	569	587	622	650	641	592	Manufacture of sugar
313	370	375	364	386	491	469	445	503	471	564	557	560	Manufacture of cocoa products
													Manufacture of chocolate and chocolate products
1,172	1,143	1,148	1,248	1,232	1,303	1,184	1,170	1,240	1,223	1,252	1,282	1,292	Manufacture of sugar confectionery
226	225	219	222	232	236	238	212	220	236	239	246	237	Manufacture of sauces and condiments
590	577	555	548	540	544	525	520	572	626	621	628	599	Manufacture of other food products n.e.c.
807	843	812	858	845	880	872	877	857	869	879	866	859	Other industry
1,479	1,538	1,521	1,646	1,632	1,711	1,602	1,645	1,641	1,560	1,572	1,640	1,525	Manufacture of prepared animal feeds
1,089	1,115	1,091	1,193	1,196	1,113	1,077	1,164	1,234	1,193	1,319	1,263	1,266	Manufacture of beverages
630	628	592	665	680	606	602	690	711	697	794	722	722	Manufacture of soft drinks
109	109	114	118	120	113	112	124	126	122	130	130	131	Production of natural mineral waters and other bottled waters
350	379	384	411	396	393	364	350	397	373	395	411	413	Other industry
322	410	407	490	399	411	305	308	304	274	360	343	336	Manufacture of tobacco products
463	519	476	485	508	560	519	505	506	412	447	462	475	Spinning, weaving and finishing of textiles
333	375	341	361	379	396	377	368	363	292	324	333	342	Preparation and spinning of textile fibres
													Weaving of textiles
127	141	132	121	126	162	139	134	140	118	119	127	131	Dyeing, bleaching, printing and finishing of yarns and fabrics
2	3	3	2	2	2	2	3	3	2	3	3	3	Other industry
502	552	542	544	519	527	531	525	526	508	518	542	545	Manufacture of other textiles
188	206	205	206	201	200	202	203	212	187	184	197	195	Manufacture of knitted and crocheted fabrics
315	345	337	338	318	327	329	321	314	321	334	345	350	Other industry
809	850	785	870	795	789	728	842	778	779	805	812	800	Manufacture of wearing apparel, except fur apparel
718	748	680	757	698	678	622	726	672	671	701	692	682	Manufacture of clothings
91	102	105	113	97	110	106	116	106	108	104	120	118	Other industry
43	49	49	51	45	43	39	44	44	44	46	47	41	Manufacture of articles of fur, knitted and crocheted apparel
187	182	176	184	156	153	142	151	177	198	218	234	221	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
81	82	74	74	71	69	69	66	67	63	65	71	71	Manufacture of footwear
55	56	49	51	46	45	47	45	48	44	46	52	51	Manufacture of leather footwear
26	26	25	23	25	24	22	21	20	19	19	20	20	Manufacture of rubber footwear
													Other industry
547	606	534	658	547	417	342	356	508	478	526	513	514	Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	19,222	18,113	18,986	5,538	3,598	3,895
16211	Pembuatan kepingan venier dan papan lapis	9,087	9,198	9,691	2,846	1,779	1,939
16212	Pembuatan papan partikel dan papan gentian	5,885	5,112	5,421	1,543	1,046	1,110
16221	Pertukangan kayu untuk jurubina	2,156	2,034	2,123	621	394	449
	Industri lain	2,094	1,769	1,752	527	380	396
170	Pembuatan kertas dan produk kertas	28,260	29,883	30,153	7,561	7,377	7,381
17010	Pembuatan pulpa, kertas dan kertas tebal	5,903	5,677	5,935	1,471	1,339	1,387
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10,746	10,374	9,928	2,688	2,527	2,531
17091	Pembuatan sampul surat dan kad surat	374	375	367	102	95	90
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,998	6,791	6,352	1,740	1,725	1,689
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3,284	3,906	4,133	941	1,019	963
	Industri lain	1,955	2,760	3,437	618	672	722
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13,709	14,526	15,504	3,812	3,452	3,457
18110	Percetakan	10,953	11,353	12,777	2,899	2,677	2,737
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	2,756	3,172	2,727	913	776	720
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	249,901	224,749	208,646	55,680	56,542	58,478
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	74,078	68,175	68,165	18,784	16,292	16,825
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,036	1,706	2,103	529	385	367
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	38,698	34,217	35,316	9,870	7,970	8,360
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	5,859	4,778	3,504	1,417	1,241	1,108
20131	Pembuatan plastik dalam bentuk primer	21,813	22,266	21,812	5,553	5,399	5,713
	Industri lain	5,671	5,208	5,430	1,415	1,298	1,276
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	37,507	44,200	47,093	10,849	10,495	11,343
20210	Pembuatan racun perosak dan produk agrokimia lain	4,109	5,078	4,650	1,246	1,209	1,327
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,181	13,718	15,830	3,126	3,314	3,611
20222	Pembuatan dakwat cetak	1,149	1,107	1,190	293	281	276
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat Pembuatan pewangi dan penyediaan dandanan diri	13,833	15,295	15,406	3,845	3,646	3,965
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials Pembuatan dakwat menulis dan melukis	7,509	8,240	9,305	2,128	1,885	1,992
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	726	762	711	210	161	171
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10,181	10,708	11,312	2,702	2,629	2,714
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	8,413	8,789	9,124	2,218	2,186	2,206
	Industri lain	1,768	1,919	2,188	484	443	508
221	Pembuatan produk getah	65,736	59,737	64,337	14,721	16,387	14,416
22111	Pembuatan tayar getah untuk kenderaan	4,203	2,600	2,256	747	694	620
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	682	867	931	210	213	216
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan Pengilangan semula getah dan prosesan susu getah	7,313	6,074	6,794	1,504	1,475	1,448
22192	Pembuatan sarung tangan getah	46,911	44,199	47,905	10,824	12,555	10,591
22199	Pembuatan produk getah lain yang t.t.t.l.	6,626	5,997	6,451	1,436	1,449	1,541
222	Pembuatan produk plastik	61,804	61,440	64,780	14,170	15,832	15,778
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	16,740	15,859	15,708	3,823	4,204	3,996
22203	Pembuatan artikel plastik untuk pembungkusan barangan	21,473	21,068	22,842	4,817	5,424	5,431
22204	Pembuatan barangan plastik jurubina	2,163	3,053	3,381	622	760	839
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7,037	7,594	7,593	1,718	2,136	1,970
22209	Pembuatan pelbagai produk plastik t.t.t.l.	14,390	13,866	15,257	3,190	3,308	3,542
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,410	5,230	5,376	1,412	1,304	1,212

							Group Description/Period
2024					2023	2024	
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
5,082	5,611	3,835	4,248	5,293	18,113	18,986	Manufacture of products of wood, cork, straw and plaiting materials
2,634	2,923	1,899	2,081	2,787	9,198	9,691	Manufacture of veneer sheets and plywood
1,413	1,559	1,095	1,256	1,511	5,112	5,421	Manufacture of particle board and fibreboard
570	621	423	498	580	2,034	2,123	Manufacture of builders' carpentry
465	508	418	412	414	1,769	1,752	Other industry
7,564	7,711	7,488	7,466	7,487	29,883	30,153	Manufacture of paper and paper products
1,479	1,494	1,472	1,493	1,477	5,677	5,935	Manufacture of pulp, paper and paperboard
2,629	2,459	2,423	2,567	2,479	10,374	9,928	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
88	87	91	90	98	375	367	Manufacture of envelopes and letter-card
1,638	1,758	1,630	1,476	1,488	6,791	6,352	Manufacture of household and personal hygiene paper
983	1,098	1,027	933	1,075	3,906	4,133	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
748	814	844	908	870	2,760	3,437	Other industry
3,804	3,948	3,708	3,777	4,071	14,526	15,504	Printing, service activities related to printing and reproduction of recorded media
3,041	3,187	3,049	3,148	3,393	11,353	12,777	Printing
764	762	658	630	678	3,172	2,727	Service activities related to printing
							Reproduction of recorded media
54,050	48,509	52,490	56,180	51,468	224,749	208,646	Manufacture of refined petroleum products
16,274	17,271	16,835	17,504	16,555	68,175	68,165	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
424	449	509	549	597	1,706	2,103	Manufacture of liquefied or compressed inorganic industrial or medical gases
8,018	8,901	8,711	9,040	8,665	34,217	35,316	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
							Manufacture of fertilizers
1,013	910	932	844	819	4,778	3,504	Manufacture of associated nitrogen products
5,600	5,695	5,331	5,678	5,108	22,266	21,812	Manufacture of plastics in primary forms
1,220	1,317	1,353	1,394	1,366	5,208	5,430	Other industry
11,514	12,324	11,473	11,956	11,339	44,200	47,093	Manufacture of other chemical products and man-made fibres
1,295	1,297	1,177	1,138	1,038	5,078	4,650	Manufacture of pesticides and other agrochemical products
3,668	4,315	3,918	3,891	3,706	13,718	15,830	Manufacture of paints, varnishes and similar coatings ink and mastics
257	314	296	302	277	1,107	1,190	Manufacture of printing ink
3,838	4,062	3,723	4,085	3,536	15,295	15,406	Manufacture of soap and detergents, cleaning and polishing preparations
							Manufacture of perfumes and toilet preparations
							Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
2,235	2,152	2,210	2,350	2,593	8,240	9,305	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
221	184	148	190	190	762	711	Other industry
2,663	2,848	2,807	2,885	2,772	10,708	11,312	Manufacture of pharmaceuticals, medicinal chemical and botanical products
2,180	2,324	2,332	2,291	2,177	8,789	9,124	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
484	524	474	595	595	1,919	2,188	Other industry
14,213	15,366	17,305	15,928	15,738	59,737	64,337	Manufacture of rubber products
540	512	605	569	570	2,600	2,256	Manufacture of rubber tyres for vehicles
228	220	226	244	241	867	931	Manufacture of interchangeable tyre treads and retreading rubber tyres
1,647	1,609	1,652	1,741	1,793	6,074	6,794	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
							Rubber remilling and latex processing
10,229	11,433	13,203	11,702	11,565	44,199	47,905	Manufacture of rubber gloves
1,570	1,591	1,619	1,672	1,569	5,997	6,451	Manufacture of other rubber products n.e.c.
15,660	14,931	16,804	16,601	16,444	61,440	64,780	Manufacture of plastics products
3,836	3,724	4,109	3,903	3,972	15,859	15,708	Manufacture of semi-manufactures of plastic products
							Manufacture of finished plastic products
5,395	5,141	6,051	5,990	5,661	21,068	22,842	Manufacture of plastic articles for the packing of goods
832	768	812	894	907	3,053	3,381	Manufacture of builders' plastics ware
1,770	1,683	1,994	2,029	1,886	7,594	7,593	Manufacture of plastic tableware, kitchenware and toilet articles
3,826	3,616	3,839	3,784	4,017	13,866	15,257	Manufacture of diverse plastic products n.e.c.
1,303	1,477	1,352	1,286	1,260	5,230	5,376	Manufacture of glass and glass products

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023										
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,862	1,784	1,891	1,466	1,159	972	970	1,370	1,555	1,728	1,697
	16211 Pembuatan kepingan venier dan papan lapis	960	917	969	741	569	468	460	672	807	906	886
	16212 Pembuatan papan partikel dan papan gentian	505	498	540	419	344	282	282	386	442	470	465
	16221 Pertukangan kayu untuk jurubina	221	196	203	156	125	114	122	168	159	196	193
	Industri lain	176	173	179	151	121	108	106	144	146	156	153
170	Pembuatan kertas dan produk kertas	2,418	2,505	2,639	2,584	2,437	2,356	2,354	2,495	2,533	2,531	2,534
	17010 Pembuatan pulpa, kertas dan kertas tebal	498	512	461	458	467	414	417	478	492	502	488
	17020 Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	868	878	942	888	845	794	806	839	886	889	879
	17091 Pembuatan sampul surat dan kad surat	36	31	35	33	31	31	30	30	30	30	29
	17092 Pembuatan kertas kegunaan rumah dan pembersih peribadi	540	566	634	616	566	543	540	587	562	540	559
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	282	309	350	369	298	351	327	317	319	327	323
	Industri lain	193	209	216	219	230	223	233	244	245	242	255
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,262	1,284	1,266	1,189	1,132	1,131	1,143	1,148	1,165	1,151	1,341
	18110 Percetakan	948	969	982	923	875	879	899	904	934	910	1,081
	18120 Aktiviti perkhidmatan berkaitan percetakan &	314	315	284	266	257	252	245	244	231	242	260
	18200 Penerbitan semula media rakaman											
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	21,738	16,662	17,279	18,063	19,413	19,065	18,598	20,301	19,579	19,927	18,597
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6,184	6,168	6,432	5,444	5,510	5,338	5,404	5,980	5,440	5,289	5,472
	20111 Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	198	177	154	132	137	116	128	124	115	126	156
	20112 Pembuatan kimia organik asas &	3,255	3,264	3,351	2,778	2,602	2,590	2,646	3,017	2,697	2,494	2,724
	20113 Pembuatan sebatian bukan organik											
	20121 Pembuatan baja &	485	455	477	425	463	353	349	402	357	359	339
	20129 Pembuatan produk campuran nitrogen	1,774	1,804	1,975	1,676	1,874	1,850	1,863	1,987	1,863	1,889	1,856
	20131 Pembuatan plastik dalam bentuk primer Industri lain	473	468	474	434	435	429	419	451	407	422	396
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3,618	3,460	3,771	3,282	3,591	3,622	3,665	3,860	3,818	3,789	3,826
	20210 Pembuatan racun perosak dan produk agrokimia lain	435	389	423	394	378	436	435	452	441	463	432
	20221 Pembuatan cat, varnis dan penyadur dan mastik	982	984	1,160	999	1,153	1,163	1,143	1,250	1,218	1,195	1,189
	20222 Pembuatan dakwat cetak	101	96	96	90	95	95	96	95	85	77	91
	20231 Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat &	1,245	1,244	1,357	1,120	1,270	1,255	1,305	1,377	1,284	1,246	1,282
	20232 Pembuatan pewangi dan penyediaan dandanan diri											
	20291 Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials &											
	20292 Pembuatan dakwat menulis dan melukis	785	681	662	618	643	624	627	641	725	742	758
	20299 Pembuatan produk kimia lain t.t.t.l. Industri lain	71	66	72	60	53	48	60	45	66	66	75
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	875	885	942	898	821	910	885	905	925	933	871
	21001 Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan Industri lain	719	725	774	756	682	748	717	737	752	756	720
		156	159	168	142	139	162	167	168	173	176	152
221	Pembuatan produk getah	4,562	4,251	5,907	5,670	5,446	5,270	5,092	4,577	4,748	4,914	4,733
	22111 Pembuatan tayar getah untuk kenderaan	254	239	254	226	239	229	224	201	195	203	170
	22112 Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	71	78	68	73	72	68	70	78	79	77
	22191 Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan &	509	463	531	490	497	488	496	473	479	542	553
	22193 Pengilangan semula getah dan prosesan susu getah											
	22192 Pembuatan sarung tangan getah	3,259	3,024	4,542	4,403	4,167	3,984	3,782	3,332	3,478	3,569	3,412
	22199 Pembuatan produk getah lain yang t.t.t.l.	479	454	503	483	470	497	522	501	518	522	521
222	Pembuatan produk plastik	4,539	4,530	5,101	5,306	5,533	4,993	5,287	5,263	5,229	5,212	5,265
	22201 Pembuatan produk plastik separa siap &	1,210	1,240	1,373	1,371	1,464	1,368	1,358	1,302	1,336	1,310	1,264
	22202 Pembuatan produk plastik siap											
	22203 Pembuatan artikel plastik untuk pembungkusan barangan	1,565	1,555	1,698	1,799	1,921	1,703	1,842	1,803	1,786	1,786	1,838
	22204 Pembuatan barangan plastik jurubina	162	201	260	254	264	241	276	279	284	279	294
	22205 Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	560	507	651	721	714	702	676	664	631	634	562
	22209 Pembuatan pelbagai produk plastik t.t.t.l.	1,043	1,028	1,120	1,161	1,169	978	1,134	1,215	1,193	1,202	1,308
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	474	454	484	447	445	412	419	417	376	386	449

2024													Group Description/Period
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
1,657	1,876	1,757	1,978	1,550	1,221	1,064	1,122	1,467	1,659	1,793	1,759	1,741	Manufacture of products of wood, cork, straw and plaiting materials
842	969	930	1,025	786	605	507	515	715	852	949	928	910	Manufacture of veneer sheets and plywood
477	531	470	558	436	352	306	337	428	491	511	505	495	Manufacture of particle board and fibreboard
181	201	201	219	168	133	123	138	185	175	194	191	195	Manufacture of builders' carpentry
157	175	157	176	160	130	127	133	139	141	138	135	141	Other industry
2,499	2,579	2,537	2,595	2,612	2,456	2,420	2,513	2,508	2,445	2,428	2,551	2,509	Manufacture of paper and paper products
489	507	519	469	479	491	502	520	499	474	467	509	501	Manufacture of pulp, paper and paperboard
861	863	762	834	832	783	809	876	866	825	807	852	820	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
29	30	28	29	33	30	29	27	31	32	33	33	32	Manufacture of envelopes and letter-card
539	555	574	628	612	549	470	480	494	502	490	507	490	Manufacture of household and personal hygiene paper
333	352	388	358	390	315	322	294	318	321	340	361	375	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
250	272	266	276	268	288	289	316	301	291	290	289	291	Other industry
1,312	1,321	1,316	1,310	1,279	1,199	1,229	1,296	1,234	1,247	1,228	1,440	1,403	Printing, service activities related to printing and reproduction of recorded media
1,050	1,059	1,056	1,071	1,046	983	1,020	1,074	1,019	1,054	1,034	1,192	1,167	Printing
262	262	260	239	233	217	208	222	215	193	195	247	236	Service activities related to printing
													Reproduction of recorded media
15,525	17,176	15,204	16,129	17,118	16,001	19,370	19,483	18,780	17,917	18,536	17,782	15,150	Manufacture of refined petroleum products
5,513	5,877	5,607	5,788	5,805	5,590	5,440	5,788	6,176	5,540	5,172	5,495	5,888	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
143	144	143	162	169	172	168	188	180	182	167	208	223	Manufacture of liquefied or compressed inorganic industrial or medical gases
2,799	3,011	2,939	2,950	3,166	2,908	2,637	2,954	3,202	2,883	2,589	2,899	3,177	Manufacture of basic organic chemicals
													Manufacture of inorganic compounds
315	290	272	348	309	307	316	294	291	258	262	277	280	Manufacture of fertilizers
1,855	1,962	1,829	1,903	1,714	1,749	1,868	1,873	2,037	1,768	1,702	1,657	1,749	Manufacture of associated nitrogen products
401	470	423	424	447	454	451	480	465	449	451	455	460	Manufacture of plastics in primary forms
3,899	4,446	3,772	4,106	3,788	3,860	3,825	3,922	4,065	3,969	3,819	3,840	3,681	Other industry
400	448	436	413	388	389	400	388	373	377	367	335	336	Manufacture of other chemical products and man-made fibres
1,284	1,515	1,285	1,514	1,328	1,322	1,268	1,291	1,321	1,280	1,262	1,304	1,140	Manufacture of pesticides and other agrochemical products
89	110	98	107	107	100	89	107	104	91	92	94	92	Manufacture of paints, varnishes and similar coatings ink and mastics
1,310	1,539	1,231	1,292	1,199	1,246	1,278	1,334	1,455	1,296	1,195	1,179	1,162	Manufacture of printing ink
													Manufacture of soap and detergents, cleaning and polishing preparations
735	768	663	721	720	752	738	744	754	852	841	868	884	Manufacture of perfumes and toilet preparations
													Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
80	65	59	59	46	51	52	59	58	73	63	60	67	Manufacture of writing and drawing ink
859	904	942	1,001	965	846	996	962	954	970	949	912	911	Manufacture of other chemical products n.e.c.
													Other industry
703	730	768	826	814	698	820	782	740	769	740	726	710	Manufacture of pharmaceuticals, medicinal chemical and botanical products
155	174	175	175	151	148	176	180	214	201	208	186	201	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
4,566	4,890	4,468	6,007	6,041	5,728	5,536	5,605	5,109	5,214	5,520	5,163	5,056	Other industry
167	177	165	171	185	215	204	198	188	183	204	187	179	Manufacture of rubber products
72	75	68	77	72	77	77	82	81	81	82	80	79	Manufacture of rubber tyres for vehicles
552	552	492	564	560	559	533	598	580	563	577	604	612	Manufacture of interchangeable tyre treads and retreading rubber tyres
3,248	3,527	3,248	4,658	4,696	4,352	4,155	4,164	3,711	3,828	4,123	3,773	3,669	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
527	559	495	537	529	525	566	562	549	560	534	518	517	Rubber remilling and latex processing
5,183	4,937	4,742	5,252	5,749	5,823	5,232	5,602	5,532	5,467	5,540	5,607	5,297	Manufacture of rubber gloves
													Manufacture of other rubber products n.e.c.
1,262	1,234	1,161	1,329	1,375	1,420	1,314	1,339	1,285	1,279	1,330	1,356	1,286	Manufacture of plastics products
													Manufacture of semi-manufactures of plastic products
1,771	1,680	1,657	1,804	2,039	2,125	1,887	2,043	1,976	1,971	1,952	1,915	1,794	Manufacture of finished plastic products
259	248	241	279	271	281	261	301	293	300	304	320	283	Manufacture of plastic articles for the packing of goods
573	564	527	592	692	664	637	698	683	648	675	619	592	Manufacture of builders' plastics ware
1,317	1,212	1,156	1,248	1,372	1,333	1,133	1,221	1,295	1,269	1,278	1,397	1,343	Manufacture of plastic tableware, kitchenware and toilet articles
													Manufacture of diverse plastic products n.e.c.
467	506	486	485	469	453	430	477	422	387	388	425	447	Manufacture of glass and glass products

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	43,875	47,547	50,695	12,693	11,322	11,373
23911 & 23921	Pembuatan mortar refraktori dan konkrit & Pembuatan seramik bukan refraktori	2,277	2,458	2,541	629	588	602
23930	Pembuatan produk porselin dan seramik lain	1,089	1,012	948	262	243	246
23941	Pembuatan simen hidrolik	10,925	12,283	12,553	3,383	2,970	2,873
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8,191	8,934	9,272	2,404	2,138	2,148
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; & Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan & Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	15,461	16,587	18,738	4,325	3,901	4,011
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4,414	4,620	5,094	1,242	1,062	1,102
	Industri lain	1,518	1,653	1,551	449	419	391
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	29,018	30,976	33,154	8,308	6,719	7,201
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	24,571	24,813	25,895	6,819	5,533	5,476
243	Pengacuan logam	620	667	740	157	166	168
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	28,731	32,069	33,584	8,155	8,090	7,579
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam & Pembuatan produk struktur logam lain	20,096	22,561	24,100	5,823	5,770	5,266
25120	Pembuatan tangki, takungan dan kontena daripada logam	7,862	8,681	8,806	2,106	2,113	2,113
	Industri lain	773	827	678	226	207	200
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	35,818	38,167	43,615	9,607	9,275	9,153
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5,194	5,470	5,651	1,347	1,350	1,370
25920	Rawatan dan penyalutan logam; menggunakan mesin	3,556	4,010	6,105	1,117	942	881
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	5,846	6,221	6,816	1,467	1,461	1,563
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam & Pembuatan bolt, skru, nat dan produk uliran seumpamanya	12,166	11,949	13,533	3,078	2,970	2,814
25994	Pembuatan barangan rumah daripada logam	260	294	320	73	72	73
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7,898	8,930	9,621	2,217	2,176	2,125
	Industri lain	899	1,293	1,569	308	305	327
261	Pembuatan komponen dan papan elektronik	346,163	354,760	366,336	91,403	86,283	92,043
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya & Pembuatan litar elektronik bersepadu dengan pemasangan mikro	206,533	200,443	209,293	51,831	47,614	53,011
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik & Pembuatan papan litar bercetak & Pembuatan komponen paparan	128,538	139,308	134,111	36,755	35,195	34,826
26109	Pembuatan komponen lain untuk aplikasi elektronik	11,092	15,010	22,932	2,817	3,475	4,205
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	50,499	51,617	64,509	12,823	14,482	11,940
263/ 26300	Pembuatan peralatan komunikasi	14,515	20,566	25,357	4,038	5,251	6,011
264/ 26400	Pembuatan peralatan elektronik pengguna	42,850	42,208	42,272	9,986	9,727	11,729
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	18,336	18,911	23,232	4,552	3,959	4,897
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan & Pembuatan kelengkapan kawalan proses perindustrian	16,116	16,835	21,229	4,103	3,521	4,315
26520	Pembuatan jam tangan dan jam dan bahagiannya	2,220	2,076	2,003	448	438	582
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	5,147	5,382	5,746	1,273	1,203	1,334

							Group Description/Period
2024					2023	2024	
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
12,159	13,691	12,279	12,206	12,519	47,547	50,695	Manufacture of non-metallic mineral products n.e.c.
							Manufacture of refractory mortars and concretes
639	661	588	612	681	2,458	2,541	Manufacture of non-refractory ceramic
261	226	240	250	231	1,012	948	Manufacture of other porcelain and ceramic products
3,057	3,473	3,086	2,932	3,061.32	12,283	12,553	Manufacture of hydraulic cement
2,243	2,529	2,229	2,263	2,250	8,934	9,272	Manufacture of ready-mix and dry-mix concrete and mortars
							Manufacture of precast concrete, cement or artificial stone articles for use in construction
4,349	5,066	4,501	4,505	4,666	16,587	18,738	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
							Manufacture of other articles of concrete, cement and plaster n.e.c.
1,214	1,331	1,273	1,262	1,228	4,620	5,094	Manufacture of other non-metallic mineral products n.e.c.
395	405	362	382	401	1,653	1,551	Other industry
8,748	8,906	7,470	7,760	9,017	30,976	33,154	Manufacture of basic iron and steel
6,986	6,795	6,075	5,910	7,116	24,813	25,895	Manufacture of basic precious and other non-ferrous metals
177	188	187	180	184	667	740	Casting of metals
8,244	9,084	8,805	7,623	8,072	32,069	33,584	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
							Manufacture of metal doors, windows and their frames, shutters and gates
5,702	6,415	6,222	5,519	5,944	22,561	24,100	Manufacture of other structural metal products
2,349	2,478	2,415	1,944	1,969	8,681	8,806	Manufacture of tanks, reservoirs and containers of metal
193	191	168	160	159	827	678	Other industry
10,132	10,928	10,898	10,576	11,214	38,167	43,615	Manufacture of other fabricated metal products; metal working service activities
							Forging, pressing, stamping and roll-forming of metal; powder metallurgy
1,404	1,385	1,393	1,417	1,456	5,470	5,651	Treatment and coating of metals; machining
1,070	1,379	1,564	1,493	1,670	4,010	6,105	Manufacture of tins and cans for food products, collapsible tubes and boxes
1,730	1,848	1,713	1,562	1,692	6,221	6,816	Manufacture of metal cable, plaited bands and similar articles
							Manufacture of bolts, screws, nuts and similar threaded products
3,086	3,469	3,465	3,231	3,368	11,949	13,533	Manufacture of metal household articles
76	81	81	77	81	294	320	Manufacture of any other fabricated metal products n.e.c.
2,412	2,402	2,304	2,388	2,527	8,930	9,621	Manufacture of any other fabricated metal products n.e.c.
353	364	377	408	420	1,293	1,569	Other industry
85,031	89,828	89,022	97,267	90,219	354,760	366,336	Manufacture of electronic components and boards
							Manufacture of diodes, transistors and similar semiconductor devices
47,987	50,810	50,653	56,597	51,233	200,443	209,293	Manufacture of electronic integrated circuits micro assemblies
							Manufacture of electrical capacitors and resistors
32,532	33,996	33,235	34,542	32,338	139,308	134,111	Manufacture of printed circuit boards
							Manufacture of display components
4,513	5,021	5,134	6,128	6,648	15,010	22,932	Manufacture of other components for electronic applications
12,372	15,321	19,073	15,864	14,252	51,617	64,509	Manufacture of computers and peripheral equipment
5,266	5,349	6,578	7,140	6,288	20,566	25,357	Manufacture of communication equipment
10,766	9,668	10,287	12,041	10,276	42,208	42,272	Manufacture of consumer electronics
5,503	5,135	5,077	6,228	6,791	18,911	23,232	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
							Manufacture of measuring, testing, navigating and control equipment
4,895	4,648	4,640	5,712	6,229	16,835	21,229	Manufacture of industrial process control equipment
608	487	437	517	562	2,076	2,003	Manufacture of watches and clocks and parts
1,572	1,598	1,321	1,337	1,491	5,382	5,746	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023										
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	4,113	4,221	4,359	3,934	3,686	3,702	3,719	3,816	3,839	3,728	4,164
23911 & 23921	Pembuatan mortar refraktori dan konkrit	202	210	217	198	198	193	187	195	219	207	219
23930	Pembuatan produk porselin dan seramik lain	93	88	81	81	83	80	83	85	79	85	89
23941	Pembuatan simen hidraulik	1,109	1,113	1,161	1,061	951	957	962	967	944	942	1,065
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	782	802	820	718	709	711	721	722	706	677	769
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,393	1,437	1,495	1,359	1,256	1,286	1,295	1,350	1,366	1,306	1,471
23959 & 23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.											
	Pembuatan produk mineral bukan logam lain t.t.t.l.	387	428	427	373	350	340	344	370	388	380	418
	Industri lain	148	144	157	144	140	135	127	127	136	130	132
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,654	2,742	2,912	2,441	2,174	2,104	1,972	2,336	2,893	2,844	3,010
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	2,236	2,255	2,327	2,241	1,853	1,438	1,362	1,785	2,328	2,368	2,304
243	Pengacuan logam	52	51	54	55	54	57	49	58	60	61	58
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	2,817	2,584	2,753	2,729	2,673	2,688	2,515	2,534	2,530	2,556	2,726
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	1,991	1,891	1,941	1,935	1,927	1,908	1,702	1,794	1,771	1,742	1,879
25120	Pembuatan produk struktur logam lain											
	Pembuatan tangki, takungan dan kontena daripada logam	749	620	736	725	677	711	743	672	697	752	781
	Industri lain	77	73	76	68	69	70	70	68	62	62	66
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,238	3,256	3,114	3,201	3,058	3,016	3,002	3,058	3,093	3,234	3,287
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	451	439	457	455	445	450	454	469	447	468	466
25920	Rawatan dan penyalutan logam; menggunakan mesin	405	389	324	329	305	307	304	275	302	333	329
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	487	494	487	482	488	491	492	533	538	544	553
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,029	1,050	1,000	994	998	978	943	935	937	991	1,008
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya											
25999	Pembuatan barangan rumah daripada logam	25	24	24	25	24	23	25	24	24	26	25
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	741	759	717	808	695	673	683	709	734	760	784
	Industri lain	101	101	106	108	102	95	104	112	112	113	122
261	Pembuatan komponen dan papan elektronik	26,192	30,366	34,845	27,463	27,561	31,258	28,660	30,278	33,106	30,059	27,813
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	15,208	16,733	19,891	14,665	15,171	17,778	16,886	17,406	18,719	17,006	15,168
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro											
26105	Pembuatan kapasitor dan perintang elektrik											
26109	Pembuatan papan litar bercetak	10,127	12,740	13,888	11,764	11,262	12,169	10,545	11,564	12,717	11,482	11,167
	Pembuatan komponen paparan											
	Pembuatan komponen lain untuk aplikasi elektronik	858	894	1,065	1,035	1,129	1,311	1,228	1,307	1,670	1,571	1,477
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	4,127	4,527	4,168	5,447	4,606	4,428	4,360	4,587	2,993	4,259	3,932
263/ 26300	Pembuatan peralatan komunikasi	1,190	1,242	1,605	1,591	1,652	2,008	1,685	1,958	2,368	1,664	1,679
264/ 26400	Pembuatan peralatan elektronik pengguna	3,048	3,165	3,773	3,177	3,240	3,310	3,563	3,814	4,352	3,792	3,746
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,600	1,370	1,582	1,195	1,274	1,490	1,482	1,557	1,859	1,851	1,818
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1,440	1,231	1,433	1,062	1,135	1,324	1,291	1,368	1,657	1,642	1,614
26520	Pembuatan kelengkapan kawalan proses perindustrian											
	Pembuatan jam tangan dan jam dan bahagiannya	161	139	149	133	139	166	191	189	202	209	204
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	398	407	468	389	383	430	403	469	461	510	553

2024													Group Description/Period
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
4,267	4,634	4,383	4,673	4,335	3,982	3,963	4,105	4,101	4,001	3,884	4,238	4,396	Manufacture of non-metallic mineral products n.e.c.
													Manufacture of refractory mortars and concretes
213	229	213	219	200	198	190	193	208	211	212	227	241	Manufacture of non-refractory ceramic
87	79	76	72	79	80	82	88	84	78	77	79	75	Manufacture of other porcelain and ceramic products
1,050	1,139	1,114	1,219	1,119	985	982	996	981	955	955	1,035	1,072	Manufacture of hydraulic cement
797	853	809	867	793	718	718	750	772	742	713	754	783	Manufacture of ready-mix and dry-mix concrete and mortars
													Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,572	1,769	1,602	1,695	1,600	1,430	1,471	1,502	1,509	1,494	1,414	1,583	1,669	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
													Manufacture of other articles of concrete, cement and plaster n.e.c.
415	424	432	475	414	451	408	443	423	395	385	426	418	Manufacture of other non-metallic mineral products n.e.c.
133	141	139	126	129	121	112	133	124	125	128	134	139	Other industry
2,894	2,810	2,959	3,136	2,799	2,413	2,259	2,193	2,519	3,049	3,090	3,043	2,885	Manufacture of basic iron and steel
2,314	2,265	2,183	2,346	2,356	1,991	1,728	1,654	1,933	2,323	2,272	2,409	2,435	Manufacture of basic precious and other non-ferrous metals
57	65	60	64	70	61	56	53	62	66	64	61	59	Casting of metals
2,963	3,111	2,958	3,015	3,050	2,811	2,944	2,518	2,568	2,536	2,503	2,624	2,945	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
2,081	2,219	2,105	2,092	2,142	2,017	2,063	1,791	1,847	1,881	1,823	1,913	2,208	Manufacture of metal doors, windows and their frames, shutters and gates
													Manufacture of other structural metal products
816	825	791	862	851	738	827	673	668	603	628	657	684	Manufacture of tanks, reservoirs and containers of metal
65	67	62	62	58	57	54	55	53	52	52	53	54	Other industry
3,611	3,690	3,413	3,825	3,888	3,477	3,533	3,482	3,566	3,529	3,641	3,632	3,941	Manufacture of other fabricated metal products; metal working service activities
470	471	450	464	477	454	462	469	487	461	487	481	488	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
408	428	416	534	527	478	558	472	498	523	541	542	587	Treatment and coating of metals; machining
633	641	573	633	631	556	527	505	526	531	552	531	609	Manufacture of tins and cans for food products, collapsible tubes and boxes
													Manufacture of metal cable, plaited bands and similar articles
1,088	1,142	1,119	1,208	1,219	1,132	1,115	1,071	1,113	1,047	1,077	1,097	1,194	Manufacture of bolts, screws, nuts and similar threaded products
26	28	28	26	27	26	28	25	26	26	26	27	27	Manufacture of metal household articles
868	862	706	834	877	709	718	803	778	807	821	808	898	Manufacture of any other fabricated metal products n.e.c.
118	117	121	125	131	121	125	137	138	134	137	146	138	Other industry
27,159	25,596	29,355	34,876	26,838	30,066	32,119	29,266	32,618	35,383	30,095	30,662	29,461	Manufacture of electronic components and boards
15,812	14,200	16,257	20,354	14,983	16,939	18,731	17,244	19,142	20,210	17,208	16,984	17,041	Manufacture of diodes, transistors and similar semiconductor devices
													Manufacture of electronic integrated circuits micro assemblies
													Manufacture of electrical capacitors and resistors
9,882	9,728	11,457	12,810	10,429	11,259	11,547	10,256	11,576	12,711	10,580	11,534	10,224	Manufacture of printed circuit boards
													Manufacture of display components
1,465	1,668	1,641	1,713	1,426	1,867	1,841	1,766	1,900	2,462	2,308	2,144	2,196	Manufacture of other components for electronic applications
4,181	4,767	5,333	5,220	7,048	5,952	6,073	6,122	6,031	3,711	4,938	4,349	4,965	Manufacture of computers and peripheral equipment
1,924	1,691	1,717	1,940	1,719	2,415	2,444	2,220	2,445	2,475	1,982	2,188	2,118	Manufacture of communication equipment
3,229	3,075	3,155	3,439	2,871	3,588	3,827	3,945	4,142	3,954	3,668	3,415	3,193	Manufacture of consumer electronics
1,835	1,730	1,610	1,795	1,454	1,758	1,865	1,846	2,103	2,279	2,259	2,283	2,249	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
1,639	1,559	1,456	1,632	1,315	1,608	1,716	1,680	1,925	2,107	2,080	2,088	2,061	Manufacture of measuring, testing, navigating and control equipment
													Manufacture of industrial process control equipment
195	171	153	163	138	150	149	166	179	172	179	195	188	Manufacture of watches and clocks and parts
509	590	480	528	442	484	396	412	476	449	473	514	504	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2,249	2,794	3,197	623	627	763
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	17,122	19,166	19,641	4,201	4,450	5,587
27101	Pembuatan motor elektrik, penjana dan transformer	5,476	5,224	5,418	1,169	1,159	1,533
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	11,645	13,941	14,223	3,032	3,291	4,053
272/ 27200	Pembuatan bateri dan akumulator	6,645	6,421	7,174	1,571	1,710	1,447
273	Pembuatan pendawaian dan peranti pendawaian	10,643	9,713	9,542	2,436	2,385	2,490
27310	Pembuatan kabel gentian optikal	354	450	416	104	120	122
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	9,610	8,681	8,501	2,191	2,118	2,216
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	679	581	625	141	147	153
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,635	1,789	2,156	402	397	518
275/ 27500	Pembuatan perkakasan domestik	11,917	11,454	11,678	2,824	2,889	3,093
279/ 27900	Pembuatan kelengkapan elektrik lain	8,087	9,320	8,069	2,148	2,325	2,510
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	45,720	44,872	46,555	10,815	11,534	10,552
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2,983	2,670	2,559	598	590	627
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	10,965	10,653	11,986	2,481	2,692	2,535
28192	Pembuatan jentera pembentukan logam dan alatan mesin						
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	11,209	9,379	10,069	2,366	2,640	1,958
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	8,316 12,248	8,173 13,996	7,261 14,680	2,170 3,201	2,137 3,474	1,831 3,601
291 (29101 & 29102)	Pembuatan kenderaan bermotor	43,437	49,965	51,272	12,356	9,860	11,663
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,706	8,423	7,567	2,099	2,050	1,944
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	38,077	42,867	45,153	10,188	10,295	11,301
301 (30110 & 30120)	Pembinaan kapal dan bot	5,169	5,777	5,975	1,622	1,529	1,154
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	10,521	10,269	10,390	2,455	2,417	2,480
30910	Pembuatan motosikal	2,577	2,722	3,000	600	637	715
30920	Pembuatan basikal dan <i>invalid carriages</i>	2,879	2,327	2,307	616	610	518
	Industri lain	5,066	5,220	5,083	1,239	1,170	1,247
310	Pembuatan perabot	17,101	17,130	18,569	4,729	3,766	3,671
31001	Pembuatan perabot kayu dan rotan	8,667	8,542	9,468	2,416	1,823	1,866
	Industri lain	8,434	8,588	9,101	2,313	1,943	1,805
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,651	5,573	6,665	1,304	1,521	1,286
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6,168	6,956	6,348	1,594	1,800	1,893
32901	Pembuatan alat tulis	1,518	1,611	1,695	403	417	416
	Industri lain	4,650	5,345	4,653	1,191	1,383	1,478
323/ 32300	Pembuatan barangan sukan	211	244	234	64	67	53
324/ 32400	Pembuatan permainan dan mainan	639	542	624	132	168	124
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,746	6,163	6,454	1,629	1,386	1,433
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2,121	2,289	2,623	591	502	546
	Industri lain	3,625	3,874	3,831	1,038	884	887
Jumlah Pembuatan		1,800,930	1,804,035	1,886,549	449,424	439,208	453,856

							Group Description/Period
2024					2023	2024	
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
781	832	697	762	907	2,794	3,197	Manufacture of optical instruments, photographic equipment, magnetic and optical media
4,928	4,384	4,634	5,461	5,162	19,166	19,641	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1,362	1,193	1,217	1,569	1,438	5,224	5,418	Manufacture of electric motors, generators and transformers
3,565	3,190	3,416	3,892	3,724	13,941	14,223	Manufacture of electricity distribution and control apparatus
1,692	1,515	1,714	2,143	1,802	6,421	7,174	Manufacture of batteries and accumulators
2,402	2,271	2,349	2,484	2,438	9,713	9,542	Manufacture of wiring and wiring devices
106	108	113	102	92	450	416	Manufacture of fibre optic cables
2,156	2,007	2,068	2,234	2,194	8,681	8,501	Manufacture of other electronic and electric wires and cables
141	157	168	148	152	581	625	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
472	469	451	622	614	1,789	2,156	Manufacture of electric lighting equipment
2,648	2,911	2,937	3,126	2,703	11,454	11,678	Manufacture of domestic appliances
2,338	2,009	1,951	2,091	2,019	9,320	8,069	Manufacture of other electrical equipment
11,971	11,018	11,905	10,866	12,766	44,872	46,555	Manufacture of general-purpose and special-purpose machinery
855	610	586	602	762	2,670	2,559	Manufacture of fluid power equipment
							Manufacture of other pumps, compressors, taps and valves
2,945	2,825	3,135	2,826	3,200	10,653	11,986	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
							Manufacture of metal-forming machinery and machine tools
2,416	2,435	2,703	2,210	2,720	9,379	10,069	Manufacture of air-conditioning machines, including for motor vehicles
2,035	1,670	1,902	1,634	2,055	8,173	7,261	Manufacture of other special-purpose machinery n.e.c.
3,720	3,478	3,579	3,594	4,030	13,996	14,680	Other industry
16,085	14,386	11,911	11,883	13,093	49,965	51,272	Manufacture of motor vehicles
2,330	1,566	1,655	1,883	2,463	8,423	7,567	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
11,083	11,137	10,842	11,905	11,268	42,867	45,153	Manufacture of parts and accessories for motor vehicles
1,472	1,473	1,489	1,223	1,791	5,777	5,975	Building of ships and boats
2,917	2,680	2,565	2,476	2,669	10,269	10,390	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
770	787	747	718	749	2,722	3,000	Manufacture of motorcycles
583	562	580	542	623	2,327	2,307	Manufacture of bicycles and invalid carriages
1,564	1,331	1,238	1,217	1,297	5,220	5,083	Other industry
4,964	5,326	4,159	3,926	5,157	17,130	18,569	Manufacture of furniture
2,437	2,782	2,098	2,006	2,583	8,542	9,468	Manufacture of wooden and cane furniture
2,526	2,544	2,062	1,920	2,575	8,588	9,101	Other industry
1,462	1,473	1,786	1,718	1,689	5,573	6,665	Manufacture of jewellery, bijouterie and related articles
1,669	1,584	1,730	1,554	1,479	6,956	6,348	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
376	383	446	454	412	1,611	1,695	Manufacture of stationery
1,293	1,201	1,284	1,100	1,068	5,345	4,653	Other industry
59	67	66	49	52	244	234	Manufacture of sports goods
119	124	174	176	151	542	624	Manufacture of games and toys
1,714	1,706	1,485	1,492	1,770	6,163	6,454	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
649	663	599	611	750	2,289	2,623	Repair and maintenance of transport equipment except motorcycles and bicycles
1,065	1,044	886	881	1,020	3,874	3,831	Other industry
461,548	457,326	464,219	483,215	481,788	1,804,035	1,886,549	Total Manufacturing

Jadual
Table

1.4a

: Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
: Sales Value of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023										
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	194	198	232	202	205	220	242	261	260	257	267
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,423	1,329	1,449	1,427	1,461	1,562	1,757	1,895	1,935	1,731	1,631
	27101 Pembuatan motor elektrik, penjana dan transformer	411	376	383	382	383	395	452	538	543	489	446
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	1,012	953	1,066	1,045	1,079	1,167	1,305	1,357	1,392	1,241	1,185
272/ 27200	Pembuatan bateri dan akumulator	583	503	486	542	547	620	414	465	569	580	556
273	Pembuatan pendawaian dan peranti pendawaian	815	821	800	794	788	803	811	833	847	823	805
	27310 Pembuatan kabel gentian optikal	35	33	35	37	41	42	42	46	33	36	32
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	735	742	715	711	696	711	721	733	762	740	725
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	45	46	50	46	51	50	48	53	52	48	47
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	132	134	136	122	138	137	165	177	175	163	162
275/ 27500	Pembuatan perkakasan domestik	911	914	999	992	926	971	953	1,122	1,018	909	877
279/ 27900	Pembuatan kelengkapan elektrik lain	719	700	728	719	792	814	810	828	872	797	786
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,693	3,527	3,595	3,877	3,868	3,789	3,322	3,567	3,663	3,762	4,104
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	212	213	173	199	191	200	167	186	274	273	302
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	860	823	798	891	894	907	816	850	870	878	1,017
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	798	759	809	920	947	773	591	698	669	721	821
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	730	680	760	789	648	700	634	524	672	685	674
		1,093	1,052	1,056	1,078	1,188	1,208	1,114	1,308	1,178	1,205	1,289
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4,253	3,796	4,307	2,846	3,685	3,329	3,920	3,633	4,111	4,922	5,740
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	697	639	762	712	739	599	662	646	636	774	813
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	3,293	3,266	3,629	3,096	3,684	3,515	3,843	3,889	3,569	3,459	3,934
301 (30110 & 30120)	Pembinaan kapal dan bot	508	513	601	656	445	428	354	356	444	560	459
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	815	752	888	805	798	814	818	827	834	897	1,059
	30910 Pembuatan motosikal	205	191	204	202	206	228	243	234	237	234	268
	30920 Pembuatan basikal dan <i>invalid carriages</i>	210	200	206	203	208	199	172	176	170	190	203
	Industri lain	400	361	478	399	385	386	403	417	427	473	588
310	Pembuatan perabot	1,587	1,512	1,630	1,312	1,411	1,042	1,109	1,166	1,396	1,561	1,696
	31001 Pembuatan perabot kayu dan rotan	788	790	838	641	663	518	559	619	688	751	848
	Industri lain	799	722	792	671	748	524	550	547	708	810	848
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	473	416	415	491	531	498	375	397	514	453	511
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	523	538	534	588	640	571	615	647	631	575	551
	32901 Pembuatan alat tulis	136	135	133	140	142	135	137	148	130	128	119
	Industri lain	387	403	401	448	498	436	478	499	501	447	431
323/ 32300	Pembuatan barangan sukan	21	20	24	27	22	18	19	16	18	19	19
324/ 32400	Pembuatan permainan dan mainan	45	39	49	57	69	41	38	41	45	45	38
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	530	511	589	578	402	406	407	449	578	557	599
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	186	177	228	231	136	135	140	170	236	213	228
	Industri lain	344	334	360	347	266	271	266	279	342	344	371
Jumlah Pembuatan		148,010	145,219	156,194	144,981	146,799	147,427	143,926	152,175	157,755	156,675	154,988

2024													Group Description/Period
Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
258	281	263	287	239	239	218	246	258	257	308	304	295	Manufacture of optical instruments, photographic equipment, magnetic and optical media
1,566	1,545	1,391	1,448	1,536	1,574	1,524	1,715	1,840	1,906	1,859	1,681	1,623	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
427	431	379	384	406	409	402	464	542	564	548	454	437	Manufacture of electric motors, generators and transformers
1,140	1,114	1,012	1,064	1,129	1,165	1,122	1,252	1,298	1,342	1,311	1,227	1,186	Manufacture of electricity distribution and control apparatus
556	544	483	488	536	591	587	681	692	770	629	605	568	Manufacture of batteries and accumulators
773	829	728	715	757	836	755	816	822	846	850	813	775	Manufacture of wiring and wiring devices
37	38	36	34	36	39	37	32	40	30	30	30	32	Manufacture of fibre optic cables
691	736	641	629	667	737	663	736	731	767	769	731	693	Manufacture of other electronic and electric wires and cables
45	54	51	51	54	60	55	48	51	49	51	52	50	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
148	167	154	148	146	161	144	183	222	218	215	197	202	Manufacture of electric lighting equipment
862	953	948	1,010	1,007	939	991	1,001	1,111	1,014	927	895	881	Manufacture of domestic appliances
755	735	619	655	605	663	682	674	709	708	684	632	703	Manufacture of other electrical equipment
4,105	3,813	3,584	3,621	4,056	3,960	3,889	3,509	3,667	3,689	3,885	4,398	4,483	Manufacture of general-purpose and special-purpose machinery
													Manufacture of fluid power equipment
280	230	210	169	189	193	203	181	203	218	216	270	276	Manufacture of other pumps, compressors, taps and valves
													Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
1,049	961	914	949	1,059	1,028	1,049	950	957	918	956	1,103	1,142	Manufacture of metal-forming machinery and machine tools
													Manufacture of air-conditioning machines, including for motor vehicles
875	845	796	794	920	931	852	668	790	753	833	922	965	Manufacture of other special-purpose machinery n.e.c.
676	585	515	570	693	626	584	539	496	599	610	714	731	Other industry
1,226	1,191	1,148	1,138	1,195	1,183	1,201	1,171	1,222	1,201	1,270	1,391	1,369	
5,422	5,504	4,540	4,342	4,070	4,531	3,309	4,167	4,314	3,402	4,385	4,351	4,357	Manufacture of motor vehicles
743	523	458	586	520	544	591	648	598	636	799	872	792	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
3,690	3,851	3,720	3,566	3,602	4,082	3,158	4,129	4,102	3,674	3,640	3,903	3,725	Manufacture of parts and accessories for motor vehicles
453	446	458	569	616	459	415	391	381	451	569	618	603	Building of ships and boats
961	928	830	922	870	843	852	818	821	838	896	919	854	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
268	290	249	248	247	253	247	256	241	220	233	266	250	Manufacture of motorcycles
190	201	166	195	188	193	199	175	187	180	202	217	203	Manufacture of bicycles and invalid carriages
503	437	415	479	434	398	406	388	392	437	461	435	401	Other industry
1,707	1,794	1,652	1,880	1,523	1,528	1,107	1,168	1,267	1,490	1,644	1,740	1,774	Manufacture of furniture
838	896	868	1,019	783	767	547	590	681	735	798	879	905	Manufacture of wooden and cane furniture
868	898	784	862	740	762	560	578	587	755	845	860	869	Other industry
498	531	457	485	581	599	606	552	552	615	546	576	567	Manufacture of jewellery, bijouterie and related articles
543	531	533	520	579	623	529	516	506	532	479	500	500	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
128	129	121	133	147	149	150	156	155	143	142	130	139	Manufacture of stationery
416	402	412	387	431	474	379	360	350	389	338	370	360	Other industry
21	23	21	23	26	22	17	17	17	16	15	18	19	Manufacture of sports goods
36	38	38	48	52	65	57	59	60	58	55	50	46	Manufacture of games and toys
557	548	527	632	610	432	444	426	473	593	584	610	576	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
208	203	200	260	263	168	169	162	191	258	240	264	246	Repair and maintenance of transport equipment except motorcycles and bicycles
349	345	327	372	347	264	275	264	282	335	344	346	330	Other industry
149,885	152,704	146,191	158,431	153,227	154,897	156,094	157,060	163,893	162,262	161,428	161,971	158,389	Total Manufacturing

Jadual **1.4b** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	11.8	5.7	6.8	6.3	9.8	5.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.0	6.0	-0.9	1.0	3.7	10.5
	10201 Pengetinan ikan, krustasea dan moluska						
	&						
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.7	5.2	-1.7	0.2	2.4	10.1
	Industri lain	4.0	19.5	10.3	15.7	25.6	15.8
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.6	31.0	10.9	16.4	36.0	36.9
	10303 Pengetinan nanas						
	&						
	10304 Pembuatan jem, marmalad dan sajian jeli	-2.0	58.2	12.9	50.0	87.3	50.8
	Industri lain	2.6	24.3	10.2	9.5	25.1	32.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	12.8	-11.2	10.6	4.7	-25.4	-13.8
	10404 Pembuatan minyak sayuran mentah dan bertapis						
	&						
	10406 Pembuatan sebatian lemak masakan	19.9	0.8	1.8	22.3	-0.2	-11.1
	10405 Pembuatan minyak kelapa	34.4	-19.9	34.3	-15.4	-24.6	-25.2
	Industri lain	11.9	-12.6	11.6	2.8	-28.2	-14.1
105	Pembuatan produk tenusu	12.1	-0.1	-1.8	3.9	4.8	-5.1
	10502 Pembuatan susu pekat, tepung dan sejat	13.1	-0.4	-4.3	4.8	4.9	-6.0
	Industri lain	-0.1	4.0	31.9	-9.2	2.4	7.6
106	Pembuatan produk bijian, kanji dan produk berkanji	22.1	5.1	11.0	9.6	1.0	6.2
	10611 Pengilangan beras	32.7	3.2	11.8	12.7	-1.1	1.6
	10613 Pengilangan tepung	14.0	7.6	10.6	6.9	3.6	11.5
	Industri lain	4.4	-3.7	6.4	6.5	-4.6	-1.6
107	Pembuatan produk makanan lain	9.7	8.3	12.3	6.9	6.7	7.3
	10711 Pembuatan biskut dan cookies	47.1	23.0	15.2	5.2	12.6	33.0
	10712 Pembuatan roti, kek dan produk bakeri lain	0.9	10.7	8.0	18.4	10.7	7.4
	10713 Pembuatan produk snek	20.8	16.9	27.0	0.9	10.2	25.6
	10721 Pembuatan gula	-5.5	17.6	14.8	-7.2	13.6	28.5
	10731 Pembuatan produk koko	0.0	6.2	53.8	4.6	7.6	4.8
	10732 Pembuatan coklat dan produk coklat						
	&						
	10733 Pembuatan konfeksi gula	12.0	-2.2	6.8	1.7	-4.7	-6.7
	10793 Pembuatan sos dan bahan perasa	3.6	7.5	13.4	-3.4	2.5	15.2
	10799 Pembuatan produk makanan lain t.t.t.l.	31.2	5.3	3.3	12.3	5.7	-1.2
	Industri lain	9.3	11.0	8.7	11.7	14.0	8.4
108/ 10800	Pembuatan makanan haiwan tersedia	25.3	17.4	-0.7	20.2	16.2	18.2
110	Pembuatan minuman ringan	19.6	2.7	9.0	0.2	3.2	1.4
	11041 Pembuatan minuman ringan	7.3	6.2	13.6	-2.5	7.2	11.4
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.1	3.7	3.5	-3.7	3.3	7.9
	Industri lain	52.7	-2.8	3.4	5.6	-2.3	-13.6
120/ 12000	Pembuatan produk tembakau	16.0	17.6	8.4	17.4	27.0	18.6
131	Pemintalan, penenunan dan penyiapan tekstil	6.3	-12.3	2.8	-11.8	-8.8	-12.8
	13110 Penyediaan dan pemintalan gentian tekstil						
	&						
	13120 Penenunan tekstil	7.6	-11.9	-0.3	-8.5	-5.3	-13.6
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.5	-13.1	12.6	-21.5	-18.1	-9.7
	Industri lain	-15.2	-30.1	-13.3	-22.7	-31.3	-32.8
139	Pembuatan tekstil lain	11.7	10.8	12.1	10.6	8.5	10.1
	13910 Pembuatan fabrik dikait dan dikrusye	3.0	-1.8	5.9	-0.6	-0.9	-2.4
	Industri lain	19.9	21.2	16.2	20.2	16.3	20.0
141	Pembuatan pakaian, kecuali pakaian berbulu	3.6	5.0	2.6	2.4	6.8	7.2
	14102 Pembuatan pakaian	2.1	5.7	0.4	2.7	9.0	7.8
	Industri lain	16.5	-0.2	19.2	0.6	-7.6	2.0
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	0.6	18.8	11.8	18.9	19.8	14.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	29.0	7.5	9.7	6.4	13.4	5.7
152	Pembuatan kasut	4.1	12.6	-4.1	6.2	15.9	14.0
	15201 Pembuatan kasut kulit						
	&						
	15203 Pembuatan kasut getah	12.3	16.1	0.1	13.3	24.6	11.1
	Industri lain	-7.7	6.5	-12.1	-4.5	3.1	20.2
161/ 16100	Pengilangan dan pengetaman kayu	13.4	-2.7	-7.6	1.6	3.3	-7.7

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
1.9	5.8	3.5	6.5	11.5	5.7	6.8	Processing and preserving of meat
8.9	3.2	0.8	-3.9	-3.4	6.0	-0.9	Processing and preserving of fish, crustaceans and molluscs
8.1	2.6	-0.02	-5.0	-3.9	5.2	-1.7	Canning of fish, crustaceans and molluscs
21.2	12.5	12.6	13.3	3.6	19.5	10.3	Processing, curing and preserving of fish, crustacean and molluscs
							Other industry
34.4	23.7	10.7	6.3	5.0	31.0	10.9	Processing and preserving of fruits and vegetable
49.5	35.8	8.3	6.4	6.7	58.2	12.9	Pineapple canning
30.1	20.3	11.4	6.2	4.5	24.3	10.2	Manufacture of jams, marmalades and table jellies
							Other industry
-5.4	-0.2	9.4	16.4	15.2	-11.2	10.6	Manufacture of vegetable and animal oils and fats
-1.4	1.8	-9.9	3.4	12.0	0.8	1.8	Manufacture of crude and refined vegetable oil
-14.3	17.3	36.8	43.3	39.9	-19.9	34.3	Manufacture of compound cooking fats
-5.8	-0.7	12.1	18.0	15.4	-12.6	11.6	Manufacture of coconut oil
							Other industry
-3.6	-6.6	-8.4	1.7	6.7	-0.1	-1.8	Manufacture of dairy products
-5.0	-8.7	-11.4	-1.1	4.8	-0.4	-4.3	Manufacture of condensed, powdered and evaporated milk
15.5	26.9	36.8	34.9	28.8	4.0	31.9	Other industry
4.0	6.1	10.7	13.8	13.4	5.1	11.0	Manufacture of grain mill products, starches and starch products
0.7	3.2	10.0	17.9	16.3	3.2	11.8	Rice milling
8.5	9.1	11.1	10.5	11.6	7.6	10.6	Flour milling
-13.1	6.7	17.1	3.9	-1.5	-3.7	6.4	Other industry
12.1	11.0	12.0	12.3	13.6	8.3	12.3	Manufacture of other food products
40.8	28.2	18.4	13.0	5.4	23.0	15.2	Manufacture of biscuits and cookies
7.2	0.8	0.6	10.2	21.2	10.7	8.0	Manufacture of bread, cakes and other bakery products
30.6	41.5	37.0	22.2	12.3	16.9	27.0	Manufacture of snack products
37.5	27.9	17.4	10.5	7.1	17.6	14.8	Manufacture of sugar
7.8	22.8	54.9	60.0	76.4	6.2	53.8	Manufacture of cocoa products
							Manufacture of chocolate and chocolate products
1.2	2.9	7.9	8.0	8.4	-2.2	6.8	Manufacture of sugar confectionery
16.2	17.0	22.8	7.6	7.5	7.5	13.4	Manufacture of sauces and condiments
5.5	4.3	1.7	5.3	1.9	5.3	3.3	Manufacture of other food products n.e.c.
10.2	11.9	9.9	7.3	6.1	11.0	8.7	Other industry
15.3	8.2	-1.0	-5.7	-2.9	17.4	-0.7	Manufacture of prepared animal feeds
5.8	6.1	8.2	9.4	12.0	2.7	9.0	Manufacture of beverages
9.0	11.2	12.7	14.1	15.9	6.2	13.6	Manufacture of soft drinks
7.7	2.0	0.1	0.2	11.9	3.7	3.5	Production of natural mineral waters and other bottled waters
0.4	-0.1	3.8	4.4	5.5	-2.8	3.4	Other industry
9.0	9.3	11.8	9.6	2.8	17.6	8.4	Manufacture of tobacco products
-16.0	-0.1	6.8	2.9	1.4	-12.3	2.8	Spinning, weaving and finishing of textiles
-20.3	-6.2	1.2	1.1	3.2	-11.9	-0.3	Preparation and spinning of textile fibres
							Weaving of textiles
-2.5	21.9	26.6	8.3	-3.2	-13.1	12.6	Dyeing, bleaching, printing and finishing of yarns and fabrics
-34.3	-15.2	-24.4	-15.9	5.2	-30.1	-13.3	Other industry
14.0	15.7	14.2	12.4	6.5	10.8	12.1	Manufacture of other textiles
-3.5	5.6	5.9	10.3	1.8	-1.8	5.9	Manufacture of knitted and crocheted fabrics
27.9	22.8	20.1	13.7	9.4	21.2	16.2	Other industry
3.8	4.0	2.2	5.4	-0.9	5.0	2.6	Manufacture of wearing apparel, except fur apparel
3.8	4.3	-0.5	2.0	-3.9	5.7	0.4	Manufacture of clothings
4.3	2.3	23.1	33.3	22.1	-0.2	19.2	Other industry
21.8	21.4	15.1	14.4	-1.9	18.8	11.8	Manufacture of articles of fur, knitted and crocheted apparel
5.8	6.5	2.7	12.9	15.2	7.5	9.7	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
14.7	7.1	-0.02	-8.8	-13.4	12.6	-4.1	Manufacture of footwear
16.5	12.9	2.5	-4.4	-8.8	16.1	0.1	Manufacture of leather footwear
11.0	-3.4	-4.6	-17.4	-23.2	6.5	-12.1	Manufacture of rubber footwear
							Other industry
-7.2	-8.5	-5.2	-8.0	-8.4	-2.7	-7.6	Sawmilling and planning of wood

Jadual **1.4b** : Nilai Jualan Sektor Pembuatan Mengikut
Table : Sales Value of Manufacturing Sector by

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
101	Pemprosesan dan pengawetan daging	-1.9	9.3	12.3	9.7	8.8	11.0	7.2	2.6	5.9	-1.0	3.3	3.6
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	1.7	1.6	-0.1	-1.4	10.7	1.8	18.9	4.9	8.4	12.2	7.1	7.3
	10201 Pengetinan ikan, krustasea dan moluska												
	&	1.2	0.3	-1.1	-2.5	9.2	0.7	19.1	4.4	7.9	12.0	5.7	6.6
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska												
	Industri lain	9.2	22.4	16.0	18.0	37.3	22.2	15.8	14.6	16.8	15.2	31.3	18.0
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-1.0	15.2	37.7	28.9	40.2	38.8	43.6	30.0	37.6	38.9	31.3	33.3
	10303 Pengetinan nanas												
	&	20.0	42.2	98.8	69.3	122.4	76.2	62.8	46.3	44.9	53.6	40.4	55.9
	10304 Pembuatan jem, marmalad dan sajian jeli												
	Industri lain	-5.5	9.4	26.6	20.9	25.3	29.1	38.3	25.6	35.4	34.5	28.6	27.5
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	5.3	7.6	1.2	-23.2	-25.6	-27.4	-18.5	-15.1	-8.4	-3.6	-3.8	-8.6
	10404 Pembuatan minyak sayuran mentah dan bertapis												
	&	10.3	34.0	24.0	5.4	5.2	-10.1	-17.2	-11.3	-4.7	4.3	1.7	-9.1
	10406 Pembuatan sebatian lemak masakan												
	10405 Pembuatan minyak kelapa	1.6	-18.5	-27.8	-28.6	-15.2	-30.0	-29.7	-27.9	-17.6	-8.1	-17.7	-16.8
	Industri lain	4.8	4.8	-1.5	-26.2	-29.0	-29.4	-18.5	-15.5	-8.8	-4.4	-4.3	-8.5
105	Pembuatan produk tenusu	-1.8	3.5	9.9	5.5	8.2	0.7	-2.8	-6.5	-5.6	-1.0	-2.0	-8.0
	10502 Pembuatan susu pekat, tepung dan sejat	-1.6	4.7	11.3	6.1	8.3	0.4	-3.3	-7.4	-7.0	-2.4	-3.2	-9.3
	Industri lain	-4.9	-12.9	-10.1	-4.0	6.2	4.8	3.7	6.1	13.0	18.8	15.0	12.4
106	Pembuatan produk bijian, kanji dan produk berkanji	5.8	13.6	9.4	-4.9	5.0	3.3	8.5	4.0	6.2	5.4	5.2	1.4
	10611 Pengilangan beras	6.5	15.8	15.2	-11.9	5.9	5.1	8.4	-2.0	-0.7	0.8	0.6	0.7
	10613 Pengilangan tepung	5.3	11.7	4.1	3.9	4.5	2.3	9.3	10.8	14.5	11.5	11.3	2.9
	Industri lain	4.7	8.6	6.5	-5.3	-2.0	-6.4	-1.6	-2.7	-0.7	-13.1	-13.7	-12.3
107	Pembuatan produk makanan lain	3.1	11.0	6.8	0.8	13.6	6.0	6.1	5.0	10.9	11.7	13.9	10.8
	10711 Pembuatan biskut dan cookies	-2.3	9.9	8.3	-14.1	29.6	30.6	38.6	26.8	34.3	37.4	43.4	41.4
	10712 Pembuatan roti, kek dan produk bakeri lain	16.2	17.2	21.7	9.2	15.9	7.2	6.3	7.5	8.4	9.8	10.5	1.6
	10713 Pembuatan produk snek	-3.8	1.2	5.0	-0.4	18.1	13.7	24.6	24.4	27.7	25.9	35.2	30.7
	10721 Pembuatan gula	-18.4	-0.3	-0.8	-6.7	28.5	21.1	23.4	25.6	36.3	39.2	42.7	30.8
	10731 Pembuatan produk koko	-3.6	9.2	8.9	3.7	15.2	4.1	5.2	2.2	7.0	8.2	8.7	6.4
	10732 Pembuatan coklat dan produk coklat												
	&	3.2	8.2	-5.2	-7.8	-0.8	-5.6	-7.9	-8.9	-3.1	-3.0	3.7	3.0
	10733 Pembuatan konfeksi gula												
	10793 Pembuatan sos dan bahan perasa	-11.8	1.9	-0.1	-0.3	1.1	7.1	8.7	13.4	23.5	17.8	10.5	20.8
	10799 Pembuatan produk makanan lain t.t.t.l.	9.9	17.9	9.5	7.2	12.6	-2.4	-1.6	-6.4	4.3	4.9	4.3	7.6
	Industri lain	7.5	16.6	11.3	10.9	23.0	8.7	6.8	6.4	12.1	12.8	10.0	7.8
108/ 10800	Pembuatan makanan haiwan tersedia	9.4	20.9	31.3	12.6	19.2	16.7	18.1	20.3	16.4	20.2	20.5	5.3
110	Pembuatan minuman ringan	0.5	-0.3	0.3	-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5
	11041 Pembuatan minuman ringan	-1.2	-4.1	-2.1	-5.3	16.9	14.7	15.6	7.5	11.3	11.9	6.7	8.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-6.5	-2.1	-2.8	-3.1	13.1	1.6	3.4	6.9	13.8	11.3	6.4	5.1
	Industri lain	4.7	6.7	5.4	0.9	5.7	-13.4	-17.8	-10.0	-13.4	1.3	-1.2	1.1
120/ 12000	Pembuatan produk tembakau	20.6	5.7	25.3	9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3
131	Pemintalan, penenunan dan penyiapan tekstil	-9.7	-15.0	-10.7	-11.4	-0.5	-13.8	-13.8	-11.0	-13.5	-13.6	-15.0	-19.1
	13110 Penyediaan dan pemintalan gentian tekstil												
	&	-3.4	-13.0	-9.0	-8.2	3.0	-10.3	-11.3	-12.9	-16.8	-17.0	-19.6	-23.7
	13120 Penenunan tekstil												
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-26.7	-21.4	-15.7	-20.6	-10.6	-21.9	-20.0	-4.3	-3.5	-3.8	-0.3	-3.2
	Industri lain	-18.4	-21.4	-28.9	-26.3	-27.8	-39.1	-37.7	-29.4	-30.9	-33.0	-34.5	-35.6
139	Pembuatan tekstil lain	6.0	14.9	11.4	10.6	10.4	4.9	5.8	12.0	12.6	13.9	15.0	13.0
	13910 Pembuatan fabrik dikait dan dikrusye	-4.3	3.2	-0.3	2.3	-0.4	-4.3	-5.3	0.1	-1.9	-4.0	-2.9	-3.5
	Industri lain	14.6	24.8	21.5	17.3	19.6	12.3	14.8	21.5	24.0	28.6	29.3	25.8
141	Pembuatan pakaian, kecuali pakaian berbulu	1.7	3.8	1.8	0.6	9.1	11.7	10.6	4.6	6.3	7.4	6.3	-1.7
	14102 Pembuatan pakaian	2.1	4.8	1.2	2.6	12.5	12.6	11.2	5.5	6.9	8.1	6.5	-2.6
	Industri lain	-1.4	-2.8	5.8	-12.6	-12.7	4.8	5.9	-1.8	2.0	2.3	4.9	5.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	3.3	26.2	29.9	22.8	22.1	14.8	12.4	13.3	17.5	19.7	24.0	21.7
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5.9	2.9	10.6	12.8	22.6	5.2	8.2	3.7	5.4	6.7	4.6	6.4
152	Pembuatan kasut	8.1	9.5	1.6	16.9	12.2	19.1	16.0	13.6	12.5	12.6	17.7	13.7
	15201 Pembuatan kasut kulit												
	&	11.6	27.4	4.0	31.7	24.6	17.8	11.1	11.7	10.5	12.8	18.1	18.5
	15203 Pembuatan kasut getah												
	Industri lain	1.9	-12.1	-2.3	-2.6	-4.5	21.4	26.9	17.6	16.7	12.3	16.8	4.4
161/ 16100	Pengilangan dan pengetaman kayu	-10.4	12.4	4.9	0.6	15.8	-5.3	-2.0	-9.5	-9.7	-2.3	-4.5	-14.2

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
7.6	4.9	5.0	2.7	5.0	2.9	6.3	5.3	8.0	10.9	13.2	10.1	Processing and preserving of meat
3.7	3.6	2.2	6.1	-3.3	0.1	-5.1	-3.7	-2.8	-5.1	-4.4	-0.5	Processing and preserving of fish, crustaceans and molluscs
2.8	3.0	1.9	6.1	-4.3	-1.3	-6.6	-5.2	-3.1	-5.8	-5.0	-0.7	Canning of fish, crustaceans and molluscs
18.4	12.4	6.8	5.7	11.3	20.8	19.6	21.0	1.0	5.1	3.2	2.7	Processing, curing and preserving of fish, crustacean and molluscs
38.0	24.3	11.3	16.1	11.9	4.6	9.0	8.6	1.4	8.0	2.2	5.0	Other industry
52.3	35.3	23.1	24.4	8.9	-4.3	6.8	6.7	5.9	7.4	6.7	6.1	Processing and preserving of fruits and vegetable
34.1	21.2	7.9	13.7	12.9	7.8	9.7	9.2	0.02	8.2	0.7	4.7	Pineapple canning
12.7	-8.9	-5.5	8.3	9.0	10.9	23.5	23.3	4.6	13.7	15.0	17.0	Manufacture of jams, marmalades and table jellies
16.1	-5.0	-4.8	-14.6	-14.9	0.2	2.7	3.5	4.0	7.6	13.8	14.7	Other industry
0.8	23.4	31.8	31.4	25.3	55.5	60.0	35.5	36.0	27.8	64.0	31.6	Manufacture of vegetable and animal oils and fats
12.3	-9.8	-5.9	11.7	12.7	12.1	26.3	26.1	4.5	14.4	14.8	17.1	Manufacture of crude and refined vegetable oil
-4.9	-6.9	-7.8	-8.4	-8.5	-8.4	-0.1	2.6	2.5	0.6	8.1	11.7	Manufacture of compound cooking fats
-6.9	-9.2	-9.9	-10.7	-11.9	-11.7	-3.2	0.1	-0.3	-1.5	6.3	10.1	Manufacture of coconut oil
22.6	31.0	27.7	30.1	42.1	37.6	37.2	34.0	33.8	25.2	29.6	31.7	Other industry
12.5	-1.5	7.7	8.3	9.1	15.1	13.6	14.5	13.4	15.1	12.7	12.4	Manufacture of dairy products
12.5	-9.7	8.1	7.1	6.6	17.2	17.4	18.4	17.8	18.2	15.3	15.4	Manufacture of condensed, powdered and evaporated milk
13.1	7.1	7.0	8.8	11.4	13.0	10.3	11.0	10.2	13.5	11.2	10.3	Other industry
3.5	3.6	13.4	19.6	15.2	16.6	8.2	9.1	-4.6	-4.3	-1.6	1.5	Manufacture of grain mill products, starches and starch products
13.3	8.1	11.5	14.8	11.4	10.1	12.1	12.3	12.5	14.4	12.1	14.4	Rice milling
39.0	16.9	29.4	29.5	13.3	13.8	14.1	11.6	13.4	13.0	0.5	3.3	Flour milling
2.3	0.8	-0.7	8.5	-2.3	-3.6	3.4	7.6	20.3	18.9	19.8	25.1	Other industry
55.9	33.1	36.7	38.8	38.5	33.9	36.2	19.1	13.0	19.1	7.5	10.6	Manufacture of other food products
28.2	25.8	29.8	30.5	21.8	3.2	12.3	10.9	8.7	9.8	5.9	5.4	Manufacture of biscuits and cookies
25.4	14.4	29.8	38.0	59.2	67.1	50.1	70.7	59.3	75.9	74.2	79.2	Manufacture of bread, cakes and other bakery products
-1.1	1.0	8.7	8.4	7.4	7.8	9.2	9.2	5.5	8.4	6.5	10.3	Manufacture of snack products
27.8	12.7	11.5	14.5	33.1	22.2	11.6	5.8	5.9	7.2	10.5	5.0	Manufacture of sugar
10.7	2.9	-0.2	2.3	-1.3	4.4	4.4	5.6	5.7	1.9	2.3	1.6	Manufacture of sugar confectionery
16.4	8.6	10.8	11.6	8.2	9.9	10.8	7.3	4.0	6.2	5.7	6.4	Manufacture of sauces and condiments
9.9	6.2	8.4	1.0	0.7	-4.6	-3.9	-4.1	-9.1	-9.1	-1.7	3.1	Manufacture of other food products n.e.c.
6.5	4.6	7.2	7.0	6.2	11.8	9.4	9.9	8.9	7.2	13.1	16.3	Other industry
16.9	6.6	10.3	12.2	11.7	14.3	9.0	14.9	18.9	15.9	17.2	14.7	Manufacture of prepared animal feeds
8.2	1.2	-2.5	-1.0	-1.6	3.0	4.8	-0.9	-3.1	5.4	11.5	19.8	Manufacture of beverages
-7.7	2.6	5.3	1.3	0.7	10.6	11.9	5.2	-2.4	-6.4	7.0	18.2	Manufacture of soft drinks
3.9	16.7	8.3	11.2	9.2	16.3	19.2	6.0	4.2	2.8	1.5	4.3	Production of natural mineral waters and other bottled waters
1.7	2.4	-4.2	4.5	9.9	5.9	7.5	5.8	-5.4	0.6	0.9	2.6	Other industry
-5.4	-5.5	-7.5	0.9	-0.5	3.4	4.7	3.2	-5.3	4.7	2.5	2.4	Manufacture of tobacco products
28.6	30.4	7.7	18.0	48.9	14.1	16.9	14.1	-5.4	-9.2	-3.1	3.0	Spinning, weaving and finishing of textiles
-27.4	7.1	-21.6	-25.8	-28.0	-18.7	-13.0	-17.0	-17.8	3.6	-1.1	14.4	Preparation and spinning of textile fibres
16.6	14.5	16.0	12.9	14.9	14.9	15.3	13.7	8.3	5.0	6.2	8.5	Weaving of textiles
6.1	4.9	5.8	5.7	5.8	6.2	12.1	15.0	3.6	-1.8	3.0	4.1	Dyeing, bleaching, printing and finishing of yarns and fabrics
23.9	21.2	23.2	18.0	21.3	20.9	17.3	12.8	11.2	9.1	8.1	11.0	Other industry
6.3	-2.5	8.3	4.5	2.5	-0.7	8.8	4.3	3.0	2.5	-4.0	-1.1	Manufacture of other textiles
6.3	-3.3	9.9	3.6	-1.0	-4.2	4.8	0.5	0.6	1.0	-7.4	-5.0	Manufacture of knitted and crocheted fabrics
5.7	3.1	-1.4	11.2	31.5	26.9	42.6	37.1	21.5	14.6	22.0	29.7	Other industry
23.4	18.9	22.2	22.9	16.3	6.2	20.1	24.7	1.3	-0.7	-2.0	-3.1	Manufacture of wearing apparel, except fur apparel
6.5	6.6	6.5	3.6	1.2	3.4	7.8	15.1	15.0	14.2	13.2	18.4	Manufacture of clothings
11.2	7.6	2.4	-1.9	-0.9	2.9	-4.6	-10.7	-10.7	-16.4	-12.2	-11.7	Other industry
14.5	12.4	11.8	-0.8	1.6	7.1	-0.8	-4.8	-7.4	-12.3	-6.6	-7.6	Manufacture of articles of fur, knitted and crocheted apparel
4.7	-0.7	-13.6	-3.9	-5.1	-4.9	-11.9	-22.4	-17.6	-24.9	-24.2	-20.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-2.0	-15.4	-8.1	-2.4	-7.7	-6.5	-6.7	-8.4	-8.5	-9.9	-9.0	-6.0	Manufacture of footwear
												Manufacture of leather footwear
												Manufacture of rubber footwear
												Other industry
												Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	12.1	-5.8	4.8	-5.7	-4.3	-7.1
16211	Pembuatan kepingan venier dan papan lapis	9.9	1.2	5.4	0.9	4.3	1.9
16212	Pembuatan papan partikel dan papan gentian	12.6	-13.1	6.0	-12.2	-10.5	-16.5
16221	Pertukangan kayu untuk jurubina	13.9	-5.6	4.3	-4.7	-8.5	-4.4
	Industri lain	19.5	-15.5	-0.9	-17.6	-16.4	-19.0
170	Pembuatan kertas dan produk kertas	9.6	5.7	0.9	11.0	4.8	1.9
17010	Pembuatan pulpa, kertas dan kertas tebal	13.8	-3.8	4.6	-1.5	-7.3	-6.0
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.5	-3.5	-4.3	7.8	-5.8	-9.7
17091	Pembuatan sampul surat dan kad surat	14.6	0.3	-2.1	29.5	10.8	-11.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	16.4	13.2	-6.5	14.2	13.8	13.3
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	17.4	19.0	5.8	28.1	22.0	8.5
	Industri lain	6.1	41.1	24.5	27.2	41.1	47.9
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13.3	6.0	6.7	7.5	5.5	7.5
18110	Percetakan	12.4	3.6	12.5	-0.7	1.2	6.2
18120 &	Aktiviti perkhidmatan berkaitan percetakan	17.2	15.1	-14.0	45.3	23.6	12.7
18200	Penerbitan semula media rakaman						
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	42.3	-10.1	-7.2	21.9	-6.2	-22.7
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	0.5	-8.0	-0.01	-6.5	-9.1	-8.3
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-15.8	-16.2	23.3	58.8	-28.2	-36.3
20112 &	Pembuatan kimia organik asas	0.5	-11.6	3.2	-7.5	-11.7	-14.6
20113	Pembuatan sebatian bukan organik						
20121 &	Pembuatan baja	18.0	-18.4	-26.7	-15.1	-15.3	-20.1
20129	Pembuatan produk campuran nitrogen						
20131	Pembuatan plastik dalam bentuk primer	-9.8	2.1	-2.0	-9.0	-2.9	14.3
	Industri lain	57.2	-8.2	4.3	8.5	-2.7	-20.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	30.9	17.8	6.5	21.4	20.7	17.6
20210	Pembuatan racun perosak dan produk agrokimia lain	53.3	23.6	-8.4	19.0	31.4	42.7
20221	Pembuatan cat, varnis dan penyadur dan mastik	33.0	34.7	15.4	18.9	34.5	45.6
20222	Pembuatan dakwat cetak	16.2	-3.6	7.5	-0.8	-4.1	-0.8
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	30.1	10.6	0.7	23.0	16.2	3.3
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials						
20292 &	Pembuatan dakwat menulis dan melukis	23.8	9.7	12.9	26.0	9.9	4.6
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	16.3	4.9	-6.6	38.0	-2.8	-19.2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.8	5.2	5.6	12.0	5.1	0.7
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.1	4.5	3.8	9.7	4.5	-0.8
	Industri lain	14.8	8.5	14.0	24.1	8.4	7.8
221	Pembuatan produk getah	-23.9	-9.1	7.7	-10.8	-12.6	-8.6
22111	Pembuatan tayar getah untuk kenderaan	-23.7	-38.1	-13.2	-41.4	-43.2	-35.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.4	27.1	7.4	29.9	26.8	20.7
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-7.6	-16.9	11.9	-8.6	-26.1	-24.5
22193	Pengilangan semula getah dan prosesan susu getah						
22192	Pembuatan sarung tangan getah	-28.3	-5.8	8.4	-8.4	-8.3	-3.9
22199	Pembuatan produk getah lain yang t.t.t.l.	-4.3	-9.5	7.6	-10.6	-13.9	-9.0
222	Pembuatan produk plastik	5.4	-0.6	5.4	-3.3	-1.2	-0.6
22201 &	Pembuatan produk plastik separa siap	-5.4	-5.3	-1.0	-3.2	-7.7	-7.4
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	29.4	-1.9	8.4	5.4	-1.9	-5.6
22204	Pembuatan barangan plastik jurubina	19.5	41.2	10.7	27.9	33.8	45.5
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	51.1	7.9	-0.02	8.5	19.7	4.8
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-19.4	-3.6	10.0	-21.5	-8.0	5.9
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	4.8	-3.3	2.8	-4.8	-2.1	-4.1

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
-5.9	1.3	6.6	9.1	4.1	-5.8	4.8	Manufacture of products of wood, cork, straw and plaiting materials
-0.9	2.7	6.8	7.3	5.8	1.2	5.4	Manufacture of veneer sheets and plywood
-13.3	1.0	4.7	13.1	7.0	-13.1	6.0	Manufacture of particle board and fibreboard
-5.6	-0.1	7.5	11.0	1.8	-5.6	4.3	Manufacture of builders' carpentry
-8.9	-3.7	10.1	4.0	-11.0	-15.5	-0.9	Other industry
5.6	2.0	1.5	1.1	-1.0	5.7	0.9	Manufacture of paper and paper products
-0.7	1.5	9.9	7.6	-0.1	-3.8	4.6	Manufacture of pulp, paper and paperboard
-5.0	-8.5	-4.1	1.4	-5.7	-3.5	-4.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-18.3	-14.6	-3.8	-0.03	12.1	0.3	-2.1	Manufacture of envelopes and letter-card
11.4	1.1	-5.5	-12.6	-9.2	13.2	-6.5	Manufacture of household and personal hygiene paper
19.1	16.7	0.8	-3.1	9.4	19.0	5.8	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
48.1	31.7	25.7	25.8	16.4	41.1	24.5	Other industry
3.6	3.6	7.4	9.3	7.0	6.0	6.7	Printing, service activities related to printing and reproduction of recorded media
8.1	9.9	13.9	15.0	11.6	3.6	12.5	Printing
-11.3	-16.6	-15.2	-12.6	-11.2	15.1	-14.0	Service activities related to printing
							Reproduction of recorded media
-20.9	-12.9	-7.2	-3.9	-4.8	-10.1	-7.2	Manufacture of refined petroleum products
-8.2	-8.1	3.3	4.0	1.7	-8.0	-0.01	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-28.1	-15.2	32.3	49.3	40.8	-16.2	23.3	Manufacture of liquefied or compressed inorganic industrial or medical gases
-13.0	-9.8	9.3	8.1	8.1	-11.6	3.2	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
							Manufacture of fertilizers
-24.4	-35.8	-24.9	-23.8	-19.2	-18.4	-26.7	Manufacture of associated nitrogen products
8.7	2.6	-1.3	-0.6	-8.8	2.1	-2.0	Manufacture of plastics in primary forms
-15.2	-6.9	4.3	9.2	12.0	-8.2	4.3	Other industry
12.5	13.6	9.3	5.4	-1.5	17.8	6.5	Manufacture of other chemical products and man-made fibres
6.9	4.1	-2.6	-14.3	-19.9	23.6	-8.4	Manufacture of pesticides and other agrochemical products
40.6	38.0	18.2	7.8	1.1	34.7	15.4	Manufacture of paints, varnishes and similar coatings ink and mastics
-8.8	7.2	5.6	9.5	7.7	-3.6	7.5	Manufacture of printing ink
2.9	5.6	2.1	3.0	-7.9	10.6	0.7	Manufacture of soap and detergents, cleaning and polishing preparations
							Manufacture of perfumes and toilet preparations
							Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
1.6	1.1	17.3	18.0	16.0	9.7	12.9	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
11.9	-12.4	-7.8	10.9	-14.0	4.9	-6.6	Other industry
3.5	5.4	6.8	6.3	4.1	5.2	5.6	Manufacture of pharmaceuticals, medicinal chemical and botanical products
5.0	4.8	6.7	3.9	-0.1	4.5	3.8	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-2.9	8.4	7.0	17.0	23.0	8.5	14.0	Other industry
-3.4	4.4	5.6	10.5	10.7	-9.1	7.7	Manufacture of rubber products
-28.4	-31.4	-12.9	-8.1	5.6	-38.1	-13.2	Manufacture of rubber tyres for vehicles
31.3	4.7	6.3	12.8	5.8	27.1	7.4	Manufacture of interchangeable tyre treads and retreading rubber tyres
-6.1	7.0	12.0	20.2	8.9	-16.9	11.9	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
							Rubber remilling and latex processing
-1.6	5.6	5.2	10.5	13.1	-5.8	8.4	Manufacture of rubber gloves
-4.4	10.8	11.7	8.5	-0.1	-9.5	7.6	Manufacture of other rubber products n.e.c.
2.6	5.4	6.1	5.2	5.0	-0.6	5.4	Manufacture of plastics products
							Manufacture of semi-manufactures of plastic products
-2.2	-2.6	-2.3	-2.3	3.5	-5.3	-1.0	Manufacture of finished plastic products
-4.1	6.7	11.6	10.3	4.9	-1.9	8.4	Manufacture of plastic articles for the packing of goods
56.4	23.4	6.9	6.5	9.0	41.2	10.7	Manufacture of builders' plastics ware
-1.1	-2.0	-6.7	3.0	6.6	7.9	-0.02	Manufacture of plastic tableware, kitchenware and toilet articles
13.0	13.4	16.0	6.9	5.0	-3.6	10.0	Manufacture of diverse plastic products n.e.c.
-2.3	4.6	3.7	6.2	-3.3	-3.3	2.8	Manufacture of glass and glass products

Jadual : Nilai Jualan Sektor Pembuatan Mengikut
Table : Sales Value of Manufacturing Sector by

1.4b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-6.4	-2.2	-8.1	-7.1	4.6	-9.3	-9.8	-5.9	-6.3	-2.2	-7.1	-8.4
16211	Pembuatan kepingan venier dan papan lapis	3.4	2.8	-3.2	0.3	16.2	-1.6	-1.0	4.6	1.5	5.60	-3.8	-4.3
16212	Pembuatan papan partikel dan papan gentian	-15.8	-5.0	-14.8	-14.2	-2.6	-13.6	-17.7	-15.7	-16.4	-13.5	-13.3	-13.1
16221	Pertukangan kayu untuk jurubina	-5.9	-6.2	-1.9	-5.6	-6.5	-14.2	-11.2	-1.4	-1.7	-1.8	-1.2	-13.2
	Industri lain	-22.0	-12.9	-17.4	-19.2	-7.9	-20.8	-19.3	-22.0	-15.5	-6.4	-11.7	-8.4
170	Pembuatan kertas dan produk kertas	7.0	16.9	9.5	4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.4	8.8	-11.0	-14.2	2.8	-9.3	-12.0	-5.2	-1.1	-7.0	2.3	3.5
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	5.2	11.8	6.7	-6.9	-2.1	-8.4	-10.8	-11.5	-6.9	-5.0	-4.8	-5.2
17091	Pembuatan sampul surat dan kad surat	42.7	21.4	24.8	34.1	2.6	0.0	-6.3	-12.1	-15.4	-18.6	-17.8	-18.5
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5.9	19.7	17.2	15.7	15.8	9.9	15.4	17.8	7.2	12.5	17.5	4.8
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	29.4	32.6	23.4	33.7	15.5	16.8	13.2	2.4	10.2	13.9	18.2	25.6
	Industri lain	10.4	34.1	39.2	40.3	46.6	36.4	42.0	50.4	51.3	50.1	54.9	40.1
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.2	10.2	9.3	2.6	7.6	6.5	6.7	8.9	6.9	7.6	1.4	2.5
18110	Percetakan	-4.6	1.4	1.3	-1.6	2.9	2.5	5.0	7.1	6.5	7.1	6.8	10.4
18120 &	Aktiviti perkhidmatan berkaitan percetakan	36.7	50.4	50.2	20.3	27.1	23.5	13.3	16.1	8.7	9.3	-16.3	-20.3
18200	Penerbitan semula media rakaman												
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	26.0	25.0	14.5	0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-7.2	-5.6	-6.6	-6.6	-7.2	-13.2	-12.1	-6.2	-6.4	-5.0	-7.7	-11.6
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	49.6	65.2	64.5	-15.6	-25.5	-40.8	-33.3	-40.1	-35.0	-30.0	-20.3	-33.6
20112 &	Pembuatan kimia organik asas	-8.2	-7.0	-7.4	-1.8	-14.5	-17.8	-19.1	-12.1	-12.4	-13.7	-9.4	-15.8
20113	Pembuatan sebatian bukan organik												
20121 &	Pembuatan baja	-14.5	-14.7	-16.1	-15.9	-6.0	-24.4	-24.3	-15.2	-20.9	-17.7	-22.2	-32.6
20129	Pembuatan produk campuran nitrogen	-10.3	-7.9	-8.9	-11.3	4.7	-1.8	7.5	17.5	18.5	19.1	3.2	5.1
20131	Pembuatan plastik dalam bentuk primer	6.8	10.0	8.8	-2.9	0.5	-5.7	-15.3	-21.2	-23.1	-11.8	-19.7	-13.9
	Industri lain												
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	21.6	19.3	23.1	10.3	30.9	21.7	22.9	16.0	14.5	18.5	12.1	7.7
20210	Pembuatan racun perosak dan produk agrokimia lain	24.1	16.7	16.2	16.5	35.0	44.8	56.8	40.9	32.6	38.3	7.0	-15.4
20221	Pembuatan cat, varnis dan penyadur dan mastik	8.4	14.7	34.0	20.5	43.4	39.9	43.6	46.7	46.5	49.7	36.3	36.8
20222	Pembuatan dakwat cetak	-1.0	-0.6	-0.9	-10.4	1.6	-2.9	3.4	-2.5	-3.5	-11.2	-5.4	-9.9
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	23.4	23.7	22.0	4.3	35.5	11.4	11.4	3.1	-3.5	1.4	3.4	3.8
20232	Pembuatan pewangi dan penyediaan dandanan diri												
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	40.1	22.3	15.7	5.1	12.7	12.2	8.4	-1.2	6.8	8.7	2.6	-5.5
20292 &	Pembuatan dakwat menulis dan melukis												
20299	Pembuatan produk kimia lain t.t.t.l.	43.7	30.1	40.3	33.3	-9.7	-22.8	-8.2	-38.2	-10.2	1.4	18.7	15.6
	Industri lain												
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	6.9	15.8	13.6	7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	4.6	13.9	10.9	7.1	8.3	-1.2	-2.5	0.0	0.1	4.6	4.7	5.8
	Industri lain	18.9	25.5	28.0	11.2	12.9	2.6	10.2	7.6	5.8	13.4	-12.3	-8.1
221	Pembuatan produk getah	-11.7	-10.7	-10.1	-14.2	-10.4	-13.2	-10.8	-8.8	-5.7	-4.2	-2.9	-3.1
22111	Pembuatan tayar getah untuk kenderaan	-40.7	-41.6	-42.0	-49.9	-34.9	-43.2	-42.5	-33.1	-26.3	-21.2	-31.4	-32.9
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	9.2	42.0	39.8	26.3	40.4	15.9	12.2	20.0	30.1	39.4	31.4	23.4
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-7.0	-10.9	-7.9	-30.4	-16.4	-30.0	-27.2	-28.7	-16.5	-10.1	-3.7	-4.5
22193	Pengilangan semula getah dan prosesan susu getah												
22192	Pembuatan sarung tangan getah	-9.6	-7.9	-7.8	-8.3	-8.4	-8.1	-5.8	-3.0	-2.6	-2.1	-1.3	-1.2
22199	Pembuatan produk getah lain yang t.t.t.l.	-9.6	-8.9	-12.9	-19.3	-8.6	-13.1	-7.3	-11.4	-8.2	-8.0	-2.7	-2.3
222	Pembuatan produk plastik	-6.3	-2.3	-1.4	-7.1	8.1	-3.9	0.6	-1.7	-0.6	2.8	3.2	2.0
22201 &	Pembuatan produk plastik separa siap	-7.7	-0.8	-1.1	-10.0	-0.4	-12.3	-8.8	-8.6	-4.6	-1.6	-1.9	-3.2
22202	Pembuatan produk plastik siap												
22203	Pembuatan artikel plastik untuk pembungkusan barangan	2.6	5.8	7.9	-3.5	5.3	-7.3	-0.9	-8.7	-6.8	-5.1	-2.5	-4.7
22204	Pembuatan barangan plastik jurubina	-0.1	42.9	41.2	33.4	41.3	26.9	49.5	40.5	46.9	62.9	65.7	41.2
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	5.6	10.0	9.9	12.3	23.5	24.3	6.3	10.6	-2.1	3.2	-5.9	-0.6
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-20.9	-21.7	-21.9	-22.3	10.5	-6.2	4.5	5.5	7.7	12.2	13.2	13.5
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	2.1	-10.1	-5.8	-3.7	-3.0	1.0	-10.5	-2.4	2.1	0.6	-2.4	-4.4

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
0.7	-1.5	4.6	5.7	5.3	9.4	15.6	7.1	6.7	3.8	3.6	5.1	Manufacture of products of wood, cork, straw and plaiting materials
1.0	1.4	5.8	6.1	6.3	8.3	11.8	6.4	5.5	4.8	4.7	8.1	Manufacture of veneer sheets and plywood
5.0	-5.7	3.4	4.0	2.3	8.6	19.6	10.8	11.1	8.9	8.5	3.6	Manufacture of particle board and fibreboard
-9.0	2.2	7.5	7.7	6.7	7.9	12.8	10.5	10.1	-1.0	-0.9	7.7	Manufacture of builders' carpentry
-0.5	-9.1	-1.6	6.4	8.1	17.4	24.9	-3.4	-3.9	-11.5	-11.8	-9.7	Other industry
6.7	1.3	-1.7	1.1	0.8	2.7	6.8	0.5	-3.5	-4.1	0.7	0.4	Manufacture of paper and paper products
1.8	1.2	1.6	4.6	5.2	21.2	24.5	4.3	-3.5	-6.9	4.2	2.4	Manufacture of pulp, paper and paperboard
-0.6	-13.2	-11.5	-6.4	-7.4	1.9	8.7	3.2	-6.9	-9.2	-3.1	-4.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-18.1	-9.2	-15.7	-1.7	-2.0	-7.8	-10.3	4.6	5.6	9.3	16.2	10.9	Manufacture of envelopes and letter-card
2.9	1.5	-0.9	-0.7	-3.0	-13.5	-11.2	-15.8	-10.6	-9.2	-9.3	-9.0	Manufacture of household and personal hygiene paper
24.8	25.6	2.2	5.5	5.7	-8.3	-10.0	0.2	0.6	3.9	11.6	12.7	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
40.9	27.3	27.7	22.4	24.9	29.7	35.9	23.3	18.6	19.7	13.2	16.5	Other industry
4.7	2.5	3.5	7.6	5.9	8.7	13.4	7.5	7.0	6.7	7.3	7.0	Printing, service activities related to printing and reproduction of recorded media
11.7	9.0	9.1	13.3	12.3	16.1	19.5	12.8	12.8	13.6	10.3	11.2	Printing
-16.4	-17.4	-15.9	-12.5	-15.8	-17.4	-9.3	-12.1	-16.5	-19.5	-4.9	-9.8	Service activities related to printing
												Reproduction of recorded media
-21.0	-8.8	-6.7	-5.2	-17.6	1.6	4.8	-7.5	-8.5	-7.0	-4.4	-2.4	Manufacture of refined petroleum products
-5.0	-9.1	-10.0	6.6	1.5	1.9	7.1	3.3	1.8	-2.2	0.4	6.8	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-27.3	-19.5	5.1	28.2	25.6	44.8	47.0	44.4	57.3	32.9	33.2	56.0	Manufacture of liquefied or compressed inorganic industrial or medical gases
												Manufacture of basic organic chemicals
-7.5	-9.9	-12.0	14.0	11.8	1.8	11.6	6.2	6.9	3.8	6.4	13.5	Manufacture of inorganic compounds
												Manufacture of fertilizers
-40.2	-40.1	-27.1	-27.3	-33.6	-10.5	-15.8	-27.5	-27.6	-26.9	-18.5	-11.1	Manufacture of associated nitrogen products
10.6	1.4	-3.6	2.3	-6.7	0.9	0.5	2.5	-5.1	-9.9	-10.7	-5.7	Manufacture of plastics in primary forms
-0.7	-9.6	-10.6	3.1	4.4	5.3	14.6	3.3	10.3	6.9	14.8	14.6	Other industry
22.9	9.0	8.9	15.4	7.5	5.6	7.0	5.3	3.9	0.8	0.4	-5.6	Manufacture of other chemical products and man-made fibres
3.2	12.3	-2.5	-1.6	2.8	-8.2	-10.8	-17.4	-14.5	-20.8	-22.5	-16.0	Manufacture of pesticides and other agrochemical products
54.3	30.6	30.5	33.0	14.7	9.0	13.0	5.7	5.1	5.5	9.7	-11.2	Manufacture of paints, varnishes and similar coatings ink and mastics
9.1	1.5	10.9	18.2	5.8	-6.6	10.8	9.4	8.2	19.3	2.6	2.9	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
23.7	-1.0	-4.8	7.1	-1.9	1.8	2.2	5.7	0.9	-4.1	-8.0	-11.3	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-2.1	-2.7	8.9	16.6	17.0	18.2	18.6	17.7	17.6	13.3	14.6	20.2	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
-8.2	-10.5	-18.2	-24.5	-3.7	8.9	-1.2	27.6	10.5	-4.8	-19.3	-16.6	Other industry
3.3	6.5	6.3	7.4	3.0	9.4	8.7	5.4	4.9	1.7	4.6	6.1	Manufacture of pharmaceuticals, medicinal chemical and botanical products
1.5	5.9	6.8	7.7	2.4	9.6	9.0	0.4	2.3	-2.1	0.9	1.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
11.8	9.4	4.2	6.2	6.1	8.4	7.6	27.3	16.1	18.1	22.3	29.3	Other industry
7.2	5.1	1.7	6.5	5.2	5.0	10.1	11.6	9.8	12.3	9.1	10.7	Manufacture of rubber products
-30.5	-30.9	-32.7	-18.1	-9.9	-10.9	-11.4	-6.2	-6.3	0.5	10.1	7.1	Manufacture of rubber tyres for vehicles
23.3	-4.9	-1.1	5.0	5.9	7.8	19.9	16.0	3.7	3.8	5.0	8.8	Manufacture of interchangeable tyre treads and retreading rubber tyres
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
8.4	6.3	6.2	14.2	12.5	9.2	20.6	22.6	17.5	6.5	9.2	10.9	Rubber remilling and latex processing
8.2	7.4	2.6	6.6	4.4	4.3	10.1	11.4	10.1	15.5	10.6	13.0	Manufacture of rubber gloves
16.6	9.0	6.8	9.5	11.7	13.9	7.8	9.6	8.1	2.2	-0.6	-1.8	Manufacture of other rubber products n.e.c.
8.8	4.7	3.0	8.3	5.2	4.8	6.0	5.1	4.6	6.3	6.5	2.2	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
2.0	-6.4	-3.2	0.3	-3.0	-3.9	-1.4	-1.3	-4.3	1.6	7.3	1.8	Manufacture of finished plastic products
7.3	6.6	6.2	13.3	10.6	10.8	10.9	9.6	10.4	9.3	4.2	1.3	Manufacture of plastic articles for the packing of goods
53.5	19.8	7.5	6.6	6.2	7.9	8.9	5.0	5.7	8.9	9.0	9.2	Manufacture of builders' plastics ware
0.7	4.0	-9.1	-3.9	-7.0	-9.2	3.2	2.9	2.8	6.4	10.1	3.3	Manufacture of plastic tableware, kitchenware and toilet articles
16.2	12.5	11.5	18.2	14.1	15.8	7.7	6.6	6.4	6.3	6.8	2.0	Manufacture of diverse plastic products n.e.c.
6.8	6.9	0.3	5.1	1.7	4.5	14.0	1.1	3.0	0.6	-5.3	-4.4	Manufacture of glass and glass products

Jadual
Table

1.4b

: Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	16.7	8.4	6.6	8.4	7.9	9.0
23911	Pembuatan mortar refraktori dan konkrit						
&							
23921	Pembuatan seramik bukan refraktori	6.1	7.9	3.4	-7.5	13.3	17.8
23930	Pembuatan produk porselin dan seramik lain	8.2	-7.0	-6.4	-2.8	-14.1	-9.7
23941	Pembuatan simen hidrolik	22.1	12.4	2.2	22.2	13.7	10.1
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	23.8	9.1	3.8	13.3	8.7	8.1
23952	Pembuatan konkrit pratuangan, simen atau artikel batu						
&	buatan yang digunakan dalam pembinaan;						
23953	Pembuatan komponen struktur pasang siap untuk bangunan	10.0	7.3	13.0	0.7	6.1	10.8
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan						
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	21.8	4.7	10.3	8.3	-0.8	2.1
	Industri lain	24.9	8.9	-6.2	5.4	15.9	9.2
241							
(24101 &							
24102 &							
24103 &							
24104 &							
24109)							
242							
(24201 &							
24202 &							
24209)							
243	Pengacuan logam	20.6	7.6	10.9	6.3	5.7	13.8
251 &							
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	17.0	11.6	4.7	7.1	15.8	12.8
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan						
&	pintu pagar daripada logam	16.9	12.3	6.8	4.3	19.0	14.9
25119	Pembuatan produk struktur logam lain						
25120	Pembuatan tangki, takungan dan kontena daripada logam	18.4	10.4	1.4	14.3	7.6	9.0
	Industri lain	7.6	7.0	-18.0	16.9	18.9	0.9
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	10.4	6.6	14.3	5.7	1.7	8.8
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	24.0	5.3	3.3	7.9	6.1	4.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	21.8	12.8	52.2	33.9	10.6	2.1
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.5	6.4	9.6	-6.9	2.8	9.0
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.7	-1.8	13.3	-9.9	-9.3	8.6
&							
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25994	Pembuatan barangan rumah daripada logam	7.7	13.2	8.9	17.4	15.2	7.5
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21.0	13.1	7.7	28.0	7.0	10.2
	Industri lain	21.7	43.8	21.3	39.4	45.1	52.0
261	Pembuatan komponen dan papan elektronik	28.9	2.5	3.3	16.5	7.4	-1.5
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya						
&							
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	34.0	-2.9	4.4	5.7	-2.1	-2.5
26103	Pembuatan kapasitor dan perintang elektrik						
&							
26104	Pembuatan papan litar bercetak	21.4	8.4	-3.7	36.1	21.1	-3.7
&							
26105	Pembuatan komponen paparan						
26109	Pembuatan komponen lain untuk aplikasi elektronik	29.8	35.3	52.8	15.8	33.2	44.2
262							
(26201 &							
26202)							
263/							
26300	Pembuatan peralatan komunikasi	0.3	41.7	23.3	10.8	50.0	69.7
264/							
26400	Pembuatan peralatan elektronik pengguna	11.0	-1.5	0.2	-9.3	-3.6	4.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	30.3	3.1	22.8	2.9	1.1	0.1
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	31.7	4.5	26.1	4.0	4.4	0.4
&							
26512	Pembuatan kelengkapan kawalan proses perindustrian						
26520	Pembuatan jam tangan dan jam dan bahagiannya	20.9	-6.5	-3.5	-6.6	-19.3	-2.6
266/							
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-34.3	4.6	6.8	27.8	-8.0	-4.6

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
8.1	7.9	8.5	7.3	3.0	8.4	6.6	Manufacture of non-metallic mineral products n.e.c.
12.6	5.2	-0.1	1.7	6.5	7.9	3.4	Manufacture of refractory mortars and concretes
-1.0	-13.5	-1.3	1.3	-11.3	-7.0	-6.4	Manufacture of non-refractory ceramic
4.1	2.7	3.9	2.1	0.1	12.4	2.2	Manufacture of other porcelain and ceramic products
6.1	5.2	4.2	5.4	0.3	9.1	3.8	Manufacture of hydraulic cement
							Manufacture of ready-mix and dry-mix concrete and mortars
							Manufacture of precast concrete, cement or artificial stone articles for use in construction
12.3	17.1	15.4	12.3	7.3	7.3	13.0	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
8.7	7.1	19.8	14.5	1.2	4.7	10.3	Manufacture of other articles of concrete, cement and plaster n.e.c.
5.9	-9.7	-13.5	-2.1	1.5	8.9	-6.2	Manufacture of other non-metallic mineral products n.e.c.
							Other industry
7.6	7.2	11.2	7.8	3.1	6.7	7.0	Manufacture of basic iron and steel
1.6	-0.4	9.8	7.9	1.9	1.0	4.4	Manufacture of basic precious and other non-ferrous metals
4.9	20.0	12.9	7.4	4.3	7.6	10.9	Casting of metals
11.3	11.4	8.8	0.6	-2.1	11.6	4.7	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
12.2	10.2	7.8	4.8	4.2	12.3	6.8	Manufacture of metal doors, windows and their frames, shutters and gates
10.9	17.7	14.3	-8.0	-16.2	10.4	1.4	Manufacture of other structural metal products
-6.4	-15.5	-18.6	-20.4	-17.7	7.0	-18.0	Manufacture of tanks, reservoirs and containers of metal
							Other industry
10.2	13.7	17.5	15.5	10.7	6.6	14.3	Manufacture of other fabricated metal products; metal working service activities
3.2	2.8	3.2	3.4	3.7	5.3	3.3	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
6.2	23.5	66.1	69.4	56.0	12.8	52.2	Treatment and coating of metals; machining
22.3	26.0	17.3	-0.04	-2.2	6.4	9.6	Manufacture of tins and cans for food products, collapsible tubes and boxes
7.0	12.7	16.7	14.8	9.1	-1.8	13.3	Manufacture of metal cable, plaited bands and similar articles
13.1	11.2	12.5	6.0	6.0	13.2	8.9	Manufacture of bolts, screws, nuts and similar threaded products
9.4	8.3	5.9	12.4	4.8	13.1	7.7	Manufacture of metal household articles
39.6	18.0	23.7	24.9	18.9	43.8	21.3	Manufacture of any other fabricated metal products n.e.c.
-9.4	-1.7	3.2	5.7	6.1	2.5	3.3	Other industry
-11.9	-2.0	6.4	6.8	6.8	-2.9	4.4	Manufacture of electronic components and boards
							Manufacture of diodes, transistors and similar semiconductor devices
							Manufacture of electronic integrated circuits micro assemblies
							Manufacture of electrical capacitors and resistors
-10.4	-7.5	-5.6	-0.8	-0.6	8.4	-3.7	Manufacture of printed circuit boards
44.0	78.3	47.8	45.7	47.3	35.3	52.8	Manufacture of display components
							Manufacture of other components for electronic applications
4.2	19.5	31.7	32.9	15.2	2.2	25.0	Manufacture of computers and peripheral equipment
37.6	32.5	25.3	18.8	19.4	41.7	23.3	Manufacture of communication equipment
2.4	-3.2	5.8	2.7	-4.6	-1.5	0.2	Manufacture of consumer electronics
7.9	12.8	28.2	27.2	23.4	3.1	22.8	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
8.7	13.3	31.8	32.4	27.2	4.5	26.1	Manufacture of measuring, testing, navigating and control equipment
1.3	8.6	-0.1	-11.2	-7.6	-6.5	-3.5	Manufacture of industrial process control equipment
							Manufacture of watches and clocks and parts
8.7	25.5	9.8	0.2	-5.2	4.6	6.8	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut
Table : Sales Value of Manufacturing Sector by

1.4b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.8	12.3	9.3	5.7	10.6	7.8	8.1	8.2	10.7	8.2	8.9	7.4
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-13.3	-3.7	-5.3	11.4	28.6	2.6	11.6	18.6	22.9	21.1	14.0	4.2
23930	Pembuatan produk porselin dan seramik lain	2.5	-2.5	-8.6	-13.6	-12.2	-16.5	-13.4	-6.6	-8.8	-1.0	1.6	-3.5
23941	Pembuatan simen hidraulik	25.3	21.7	19.8	13.7	14.2	13.2	13.6	8.8	8.1	4.1	5.9	2.4
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8.1	18.7	13.5	8.6	8.9	8.6	10.8	6.5	7.2	6.6	7.6	4.2
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;	-7.9	6.1	4.8	-0.9	9.4	11.2	8.8	9.9	13.8	10.3	12.4	14.0
23953 & 23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan												
23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.												
23959	Pembuatan produk mineral bukan logam lain t.t.t.l.	3.5	15.7	5.9	3.2	5.6	-10.3	-8.9	3.7	12.4	8.6	8.5	8.9
23990	Industri lain	3.6	5.6	6.9	15.3	15.3	17.2	12.9	6.4	8.6	12.7	2.1	3.5
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-3.9	12.6	13.5	2.1	5.1	12.9	13.3	1.2	5.0	4.6	9.9	8.4
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.9	1.9	3.9	1.8	6.5	-8.2	-12.9	-0.5	6.5	3.8	2.6	-1.4
243	Pengacuan logam	7.6	9.0	2.5	-1.5	3.6	16.1	16.5	14.2	11.3	13.6	3.1	-1.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.9	7.1	12.9	17.5	18.9	11.2	11.2	12.4	14.8	10.5	13.7	9.7
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-2.9	8.3	8.8	20.5	21.2	15.3	10.2	18.1	16.6	10.3	15.5	10.8
25120	Pembuatan produk struktur logam lain												
25120	Pembuatan tangki, takungan dan kontena daripada logam	16.3	2.3	24.5	9.8	12.3	1.6	13.7	1.9	11.5	12.3	10.8	9.6
	Industri lain	10.5	19.9	21.2	21.0	23.7	12.5	9.8	-10.3	5.6	-2.8	0.7	-15.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.3	10.8	3.1	-2.9	4.2	4.2	8.5	8.9	9.0	8.2	9.3	13.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	8.8	9.1	6.0	5.4	8.3	4.6	6.1	6.7	0.2	1.8	3.1	4.8
25920	Rawatan dan penyalutan logam; menggunakan mesin	44.5	48.1	10.9	9.4	16.3	6.7	4.4	4.9	-2.4	4.3	3.8	10.0
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-13.6	-3.1	-3.3	-3.5	11.6	1.4	6.3	9.0	11.5	17.2	19.6	29.6
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	-13.5	-4.0	-12.0	-15.6	-10.5	-0.3	6.0	8.0	12.0	5.4	8.0	7.7
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya												
25994	Pembuatan barangan rumah daripada logam	20.1	27.2	6.7	22.8	17.5	5.8	4.2	8.8	9.8	15.1	13.9	10.3
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	26.5	29.7	27.8	2.3	12.2	7.8	13.5	8.0	9.4	8.0	6.9	13.2
	Industri lain	23.0	55.6	43.4	41.2	51.3	43.4	46.0	52.6	57.5	43.7	40.3	35.3
261	Pembuatan komponen dan papan elektronik	13.8	18.4	16.8	9.5	6.5	6.5	3.5	-2.5	-4.6	-7.2	-11.6	-9.6
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	6.3	4.8	6.0	-6.3	-0.7	0.4	3.9	-4.8	-5.6	-10.8	-13.9	-11.1
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro												
26105	Pembuatan kapasitor dan perintang elektrik												
26104 & 26105	Pembuatan papan litar bercetak	28.5	42.6	36.1	36.4	15.7	13.7	-0.5	-2.3	-7.5	-5.6	-12.7	-12.8
26109	Pembuatan komponen paparan	3.9	21.3	22.3	28.9	29.1	40.8	45.2	40.8	46.3	35.7	40.6	58.4
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-3.4	-2.3	-2.0	-7.7	12.3	-5.1	12.4	10.9	7.8	4.3	5.0	3.4
263/ 26300	Pembuatan peralatan komunikasi	6.2	12.3	13.2	51.6	52.6	46.8	81.3	68.7	63.1	35.2	35.5	41.6
264/ 26400	Pembuatan peralatan elektronik pengguna	-16.7	-5.6	-5.5	-14.2	3.7	1.3	5.7	2.1	5.4	6.7	0.2	0.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-10.5	12.1	11.9	2.9	6.8	-4.5	-4.0	-5.0	8.6	9.5	7.6	6.5
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-10.7	14.4	14.1	7.6	10.9	-2.8	-3.8	-4.7	9.1	10.9	9.1	6.3
26520	Pembuatan kelengkapan kawalan proses perindustrian												
26520	Pembuatan jam tangan dan jam dan bahagiannya	-8.5	-5.4	-5.5	-23.6	-18.2	-16.5	-5.4	-7.0	5.0	-0.4	-3.4	9.0
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	25.8	26.5	30.8	-15.7	10.1	-13.4	-9.2	-8.9	5.3	10.6	2.6	14.2

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
12.7	3.9	7.2	10.2	8.0	7.0	10.4	7.5	4.2	4.2	1.8	3.0	Manufacture of non-metallic mineral products n.e.c.
												Manufacture of refractory mortars and concretes
13.5	1.5	1.0	1.2	-0.01	-1.6	3.2	6.4	-3.8	2.6	3.5	13.2	Manufacture of non-refractory ceramic
-15.0	-14.1	-11.1	-2.5	-3.3	2.1	6.4	-1.1	-1.4	-9.5	-11.3	-13.0	Manufacture of other porcelain and ceramic products
2.7	0.1	5.0	5.5	3.5	2.6	3.6	1.4	1.2	1.4	-2.9	2.1	Manufacture of hydraulic cement
9.1	0.8	5.7	10.4	1.3	0.9	4.0	6.9	5.1	5.3	-2.0	-1.7	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
27.0	11.5	13.3	17.7	13.8	14.4	15.9	11.8	9.4	8.3	7.6	6.1	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
												Manufacture of other articles of concrete, cement and plaster n.e.c.
9.6	1.0	11.1	11.0	29.1	19.9	29.0	14.3	1.9	1.2	1.9	0.5	Manufacture of other non-metallic mineral products n.e.c.
-5.0	-3.6	-19.8	-10.6	-13.5	-16.5	4.6	-2.3	-8.2	-1.2	1.3	4.4	Other industry
5.9	7.9	7.7	14.7	11.0	7.3	11.2	7.8	5.4	8.6	1.1	-0.3	Manufacture of basic iron and steel
1.3	-3.2	0.8	5.1	7.5	20.1	21.4	8.2	-0.2	-4.0	4.5	5.2	Manufacture of basic precious and other non-ferrous metals
23.1	18.1	18.8	28.1	13.6	-2.4	7.9	5.2	9.3	4.8	3.9	4.2	Casting of metals
10.4	14.5	9.5	11.8	5.2	9.5	0.1	1.3	0.2	-2.1	-3.7	-0.6	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
												Manufacture of metal doors, windows and their frames, shutters and gates
11.4	11.3	7.8	10.7	4.7	8.1	5.2	3.0	6.3	4.7	1.8	6.1	Manufacture of other structural metal products
10.2	27.5	17.0	17.3	8.9	16.4	-9.4	-0.6	-13.6	-16.5	-15.8	-16.2	Manufacture of tanks, reservoirs and containers of metal
-13.3	-14.1	-19.1	-15.3	-17.6	-22.9	-22.4	-22.5	-15.8	-16.6	-18.8	-17.7	Other industry
14.0	4.8	22.8	21.4	13.7	17.1	16.0	16.6	14.1	12.6	10.5	9.1	Manufacture of other fabricated metal products; metal working service activities
												Forging, pressing, stamping and roll-forming of metal; powder metallurgy
4.6	2.5	1.5	4.8	2.1	2.6	3.3	3.8	3.1	4.1	3.2	3.8	
5.9	7.1	65.1	60.0	56.7	82.0	55.3	80.8	73.2	62.3	64.7	43.7	Treatment and coating of metals; machining
31.8	16.1	30.1	30.9	13.9	7.3	2.8	-1.4	-1.2	1.5	-3.9	-3.8	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
11.0	6.5	20.9	22.6	13.4	14.1	13.6	19.0	11.8	8.7	8.9	9.8	Manufacture of bolts, screws, nuts and similar threaded products
12.3	13.8	7.3	7.2	8.4	22.7	2.5	8.0	7.6	2.3	8.3	7.5	Manufacture of metal household articles
16.3	-7.0	16.3	8.6	2.1	6.7	17.6	9.7	10.1	8.0	3.1	3.4	Manufacture of any other fabricated metal products n.e.c.
16.1	19.8	18.1	20.9	18.9	32.0	32.1	23.8	19.4	21.0	19.1	16.6	Other industry
-2.3	-3.3	0.1	-2.3	9.1	2.8	2.1	7.7	6.9	0.1	10.2	8.5	Manufacture of electronic components and boards
												Manufacture of diodes, transistors and similar semiconductor devices
-6.6	-2.8	2.3	2.2	11.7	5.4	2.1	10.0	8.0	1.2	12.0	7.8	Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
-3.9	-10.1	-7.8	-11.3	-0.03	-5.1	-2.7	0.1	-0.05	-7.9	3.3	3.5	Manufacture of printed circuit boards
												Manufacture of display components
94.4	83.5	60.8	37.8	65.5	40.4	43.8	45.4	47.4	46.9	45.1	49.9	Manufacture of other components for electronic applications
15.5	17.8	25.3	29.4	29.2	37.1	40.4	31.5	24.0	15.9	10.6	18.7	Manufacture of computers and peripheral equipment
42.1	38.2	20.9	8.1	46.2	21.7	31.8	24.9	4.5	19.1	30.4	10.1	Manufacture of communication equipment
0.9	-0.3	-8.9	-9.6	10.8	15.6	10.7	8.6	-9.1	-3.3	-8.8	-1.1	Manufacture of consumer electronics
8.1	17.5	13.5	21.7	38.0	25.2	24.6	35.1	22.6	22.1	25.6	22.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
8.3	18.3	14.0	23.9	41.6	29.6	30.1	40.7	27.2	26.7	29.4	25.7	Manufacture of industrial process control equipment
6.4	10.6	9.1	4.0	8.3	-10.3	-13.0	-5.5	-14.8	-14.1	-4.3	-3.9	Manufacture of watches and clocks and parts
48.4	17.8	12.9	13.4	26.2	-8.1	2.0	1.3	-2.5	-7.3	-7.1	-1.0	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

1.4b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	33.7	24.2	14.4	26.0	20.2	22.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	33.3	11.9	2.5	9.0	5.8	20.9
27101	Pembuatan motor elektrik, penjana dan transformer	17.2	-4.6	3.7	-9.8	-18.4	6.9
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	42.5	19.7	2.0	18.6	18.2	27.2
272/ 27200	Pembuatan bateri dan akumulator	33.6	-3.4	11.7	29.0	25.1	-26.0
273	Pembuatan pendawaian dan peranti pendawaian	0.02	-8.7	-1.8	-9.5	-12.8	-8.0
27310	Pembuatan kabel gentian optikal	14.9	27.3	-7.7	23.6	28.7	39.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.1	-9.7	-2.1	-9.3	-13.5	-9.9
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.4	-14.4	7.6	-25.6	-23.3	-5.0
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	27.1	9.4	20.5	9.3	1.2	17.2
275/ 27500	Pembuatan perkakasan domestik	8.7	-3.9	2.0	2.8	-0.3	-3.0
279/ 27900	Pembuatan kelengkapan elektrik lain	4.0	15.2	-13.4	10.3	24.7	20.7
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	6.9	-1.9	3.8	4.9	-2.3	-8.1
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.4	-10.5	-4.2	12.7	-21.2	-26.3
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.0	-2.8	12.5	6.5	-8.6	-8.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin						
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.1	-16.3	7.4	-21.7	-17.5	-22.8
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	37.9 10.8	-1.7 14.3	-11.2 4.9	36.7 12.5	10.5 16.8	-18.7 17.0
291 (29101 & 29102)	Pembuatan kenderaan bermotor	12.7	15.0	2.6	25.1	5.5	17.5
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	17.6	9.3	-10.2	5.8	-1.3	26.9
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	17.9	12.6	5.3	14.1	10.8	12.1
301 (30110 & 30120)	Pembinaan kapal dan bot	0.9	11.8	3.4	26.2	31.3	-1.9
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	17.1	-2.4	1.2	-3.7	-6.3	0.2
30910	Pembuatan motosikal	26.3	5.6	10.2	11.7	-3.2	10.3
30920	Pembuatan basikal dan <i>invalid carriages</i>	24.3	-19.2	-0.9	-6.5	-15.3	-26.6
	Industri lain	9.5	3.0	-2.6	-8.4	-2.5	11.2
310	Pembuatan perabot	9.8	0.2	8.4	-5.7	-1.9	-1.4
31001	Pembuatan perabot kayu dan rotan	1.0	-1.4	10.8	-9.5	-1.4	-2.6
	Industri lain	20.5	1.8	6.0	-1.5	-2.4	-0.1
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	25.5	-1.4	19.6	6.4	-8.1	-7.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	10.7	12.8	-8.7	4.3	18.3	17.7
32901	Pembuatan alat tulis	9.5	6.1	5.2	14.6	11.0	-3.9
	Industri lain	11.0	14.9	-12.9	1.2	20.7	25.6
323/ 32300	Pembuatan barangan sukan	5.4	15.5	-4.0	16.6	30.6	11.7
324/ 32400	Pembuatan permainan dan mainan	2.6	-15.1	15.1	-28.1	-6.5	-5.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.9	7.3	4.7	7.4	11.5	10.6
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	17.8	7.9	14.6	10.2	9.3	9.2
	Industri lain	2.8	6.9	-1.1	5.9	12.8	11.5
Jumlah Pembuatan		15.8	0.2	4.6	8.2	-1.0	-2.9

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
27.7	33.4	11.2	-0.1	16.1	24.2	14.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media
10.9	4.3	4.1	-2.2	4.8	11.9	2.5	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
2.9	2.1	5.0	2.4	5.6	-4.6	3.7	Manufacture of electric motors, generators and transformers
14.4	5.2	3.8	-4.0	4.5	19.7	2.0	Manufacture of electricity distribution and control apparatus
-19.6	-3.6	0.2	48.1	6.5	-3.4	11.7	Manufacture of batteries and accumulators
-4.3	-6.8	-1.5	-0.3	1.5	-8.7	-1.8	Manufacture of wiring and wiring devices
17.4	4.7	-5.9	-15.9	-12.6	27.3	-7.7	Manufacture of fibre optic cables
-5.5	-8.4	-2.4	0.8	1.8	-9.7	-2.1	Manufacture of other electronic and electric wires and cables
2.2	11.0	14.8	-3.2	8.3	-14.4	7.6	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
8.9	16.5	13.5	20.2	30.1	9.4	20.5	Manufacture of electric lighting equipment
-14.1	3.1	1.7	1.1	2.1	-3.9	2.0	Manufacture of domestic appliances
6.6	-6.5	-16.1	-16.7	-13.7	15.2	-13.4	Manufacture of other electrical equipment
-1.3	1.9	3.2	3.0	6.6	-1.9	3.8	Manufacture of general-purpose and special-purpose machinery
0.3	2.0	-0.8	-4.0	-10.9	-10.5	-4.2	Manufacture of fluid power equipment
0.7	13.9	16.5	11.4	8.7	-2.8	12.5	Manufacture of other pumps, compressors, taps and valves
-1.5	2.9	2.4	12.9	12.6	-16.3	7.4	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-20.0	-23.0	-11.0	-10.8	1.0	-1.7	-11.2	Manufacture of metal-forming machinery and machine tools
11.1	8.7	3.0	-0.2	8.3	14.3	4.9	Manufacture of air-conditioning machines, including for motor vehicles
12.5	16.4	20.8	1.9	-18.6	15.0	2.6	Manufacture of other special-purpose machinery n.e.c.
10.3	-25.4	-19.3	-3.1	5.7	9.3	-10.2	Other industry
13.3	9.3	5.3	5.3	1.7	12.6	5.3	Manufacture of motor vehicles
-4.7	-9.2	-2.6	6.0	21.6	11.8	3.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.1	9.2	6.1	-0.1	-8.5	-2.4	1.2	Manufacture of parts and accessories for motor vehicles
5.1	31.1	17.3	0.4	-2.7	5.6	10.2	Building of ships and boats
-26.7	-8.8	-4.9	4.7	6.8	-19.2	-0.9	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
12.4	7.4	5.8	-2.4	-17.1	3.0	-2.6	Manufacture of motorcycles
9.8	12.6	10.5	7.0	3.9	0.2	8.4	Manufacture of bicycles and invalid carriages
9.2	15.1	15.1	7.5	6.0	-1.4	10.8	Other industry
10.3	10.0	6.1	6.4	1.9	1.8	6.0	Manufacture of furniture
5.7	12.9	17.4	33.6	15.6	-1.4	19.6	Manufacture of wooden and cane furniture
10.6	-0.6	-3.8	-17.9	-11.4	12.8	-8.7	Other industry
4.8	-4.9	7.0	9.2	9.6	6.1	5.2	Manufacture of jewellery, bijouterie and related articles
12.4	0.8	-7.1	-25.6	-17.5	14.9	-12.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
4.1	4.6	-2.6	-7.2	-11.9	15.5	-4.0	Manufacture of stationery
-18.1	-6.3	3.6	42.6	26.7	-15.1	15.1	Other industry
1.4	4.7	7.1	4.1	3.3	7.3	4.7	Manufacture of sports goods
4.0	12.0	19.3	11.9	15.6	7.9	14.6	Manufacture of games and toys
-0.1	0.6	0.2	-0.7	-4.2	6.9	-1.1	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-2.7	1.8	5.7	6.5	4.4	0.2	4.6	Repair and maintenance of transport equipment except motorcycles and bicycles
							Other industry
-2.7	1.8	5.7	6.5	4.4	0.2	4.6	Total Manufacturing

Jadual : Nilai Jualan Sektor Pembuatan Mengikut
Table : Sales Value of Manufacturing Sector by

1.4b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	21.8	28.7	27.5	23.0	38.7	5.0	16.3	23.2	28.8	36.5	25.7	21.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	14.3	10.5	3.1	-1.6	13.7	6.3	17.6	19.8	25.2	14.4	8.9	9.4
27101	Pembuatan motor elektrik, penjana dan transformer	-7.6	-3.4	-17.4	-25.1	-9.8	-18.7	-7.8	11.5	17.6	10.9	-6.4	5.0
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	26.5	17.1	13.2	11.2	25.3	18.6	29.9	23.5	28.4	15.9	16.1	11.1
272/ 27200	Pembuatan bateri dan akumulator	34.6	33.5	18.9	39.8	27.6	12.7	-27.8	-25.6	-24.9	-26.9	-10.3	-19.4
273	Pembuatan pendawaian dan peranti pendawaian	-13.1	-5.5	-9.5	-19.0	-8.2	-10.4	-8.9	-10.7	-4.5	-2.5	-3.1	-7.4
27310	Pembuatan kabel gentian optikal	29.5	20.3	21.3	8.1	42.7	38.6	38.0	41.5	39.1	40.9	7.9	8.3
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-13.2	-5.4	-9.1	-19.2	-9.5	-11.2	-10.1	-13.3	-6.3	-4.4	-4.1	-8.2
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-29.3	-19.8	-27.2	-30.2	-16.4	-22.6	-17.4	-1.1	5.2	6.2	6.7	-5.7
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	19.2	12.1	-1.0	-1.2	6.8	-1.8	24.7	15.9	12.2	18.9	10.0	-1.2
275/ 27500	Pembuatan perkakasan domestik	-9.3	11.8	7.8	-1.9	0.8	0.3	-3.4	0.5	-6.2	-12.1	-13.2	-17.0
279/ 27900	Pembuatan kelengkapan elektrik lain	10.2	10.8	9.8	19.8	35.4	19.7	30.8	17.8	15.0	8.0	8.1	3.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	2.5	5.7	6.6	-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9
28120 & 28130	Pembuatan alat-alat kuasa bendalir	11.5	24.1	2.4	-25.5	-13.2	-23.7	-30.6	-39.1	-9.9	-12.5	6.4	9.2
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	5.2	6.1	8.4	-11.6	-5.3	-8.7	-14.2	-6.3	-4.2	-3.0	2.1	2.6
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-23.6	-22.8	-18.5	-21.2	-2.6	-27.1	-29.5	-20.7	-18.1	-11.9	5.3	2.2
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	32.8	37.6	39.8	28.7	18.6	-9.5	-3.7	-32.8	-17.3	-15.1	-15.2	-28.3
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9.0	15.5	13.5	8.8	20.7	20.8	16.2	21.5	13.0	14.8	12.3	6.5
291 (29101 & 29102)	Pembuatan kenderaan bermotor	23.2	18.7	33.5	-13.4	22.3	9.3	26.7	16.0	11.1	24.3	10.9	5.1
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	8.9	15.5	-3.6	-15.2	6.7	10.0	43.3	29.2	11.5	12.7	9.8	8.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	16.0	17.9	9.4	-1.2	22.4	11.7	14.8	12.1	9.4	15.4	12.3	12.5
301 (30110 & 30120)	Pembinaan kapal dan bot	16.1	27.6	34.9	39.8	41.3	12.7	-5.5	-3.7	2.8	0.2	-10.7	-3.7
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-5.4	-1.8	-3.5	-15.8	-1.1	-0.2	2.3	1.0	-2.5	-6.5	6.0	-0.03
30910	Pembuatan motosikal	12.1	14.6	8.9	-12.3	-3.6	6.9	10.9	8.7	11.1	5.0	5.5	4.7
30920	Pembuatan basikal dan <i>invalid carriages</i>	-6.4	8.4	-17.6	-18.2	-12.8	-14.7	-22.4	-25.7	-31.2	-30.2	-25.3	-24.3
	Industri lain	-12.0	-13.0	-1.0	-16.2	8.2	4.8	12.3	13.6	8.0	1.9	24.2	10.7
310	Pembuatan perabot	-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5
31001	Pembuatan perabot kayu dan rotan	-15.2	-3.2	-9.3	-2.6	10.9	-12.6	-5.0	1.0	-3.7	6.1	9.1	12.1
	Industri lain	-4.0	-3.4	3.2	-13.4	5.8	2.9	2.8	-0.5	-1.9	10.0	10.2	10.8
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	4.8	9.5	5.3	-7.8	-7.9	-8.6	-8.8	-10.2	-3.7	2.5	4.7	9.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.4	7.4	4.1	11.4	28.9	15.1	17.8	18.1	17.1	17.5	9.0	5.5
32901	Pembuatan alat tulis	16.9	18.6	8.6	14.3	14.6	4.3	-7.8	-5.0	2.2	6.9	-0.1	7.6
	Industri lain	-3.1	4.1	2.7	10.5	33.6	18.9	28.1	27.3	21.7	20.9	11.8	4.9
323/ 32300	Pembuatan barangan sukan	17.1	11.2	21.2	32.4	39.6	18.6	16.3	11.8	7.0	6.5	0.2	5.6
324/ 32400	Pembuatan permainan dan mainan	-28.1	-37.0	-18.9	-21.2	2.2	5.8	-0.9	-6.5	-7.2	-6.9	-25.6	-21.6
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	9.4	28.5	-0.3	12.6	6.7	6.5	2.8	15.0	9.4	5.8	3.4	2.8
	Industri lain	0.8	9.5	7.8	8.1	15.6	16.4	15.5	8.7	10.8	1.4	-0.7	-0.8
Jumlah Pembuatan		6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
44.7	33.2	24.0	18.5	16.6	-0.6	1.5	-0.8	-0.9	19.9	14.1	14.5	Manufacture of optical instruments, photographic equipment, magnetic and optical media
8.6	4.7	-0.1	7.6	7.7	-2.5	-2.3	-2.9	-1.5	7.4	3.1	3.6	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
4.9	0.8	0.3	6.4	6.9	1.8	2.6	0.7	3.9	12.0	1.6	2.3	Manufacture of electric motors, generators and transformers
10.1	6.2	-0.2	8.1	8.0	-3.9	-4.0	-4.3	-3.6	5.6	3.6	4.1	Manufacture of electricity distribution and control apparatus
-6.7	-4.0	0.6	-1.2	8.0	-5.4	64.6	49.1	35.3	8.5	8.7	2.1	Manufacture of batteries and accumulators
1.6	-11.3	-10.6	-4.6	6.1	-5.9	0.6	-1.3	-0.1	3.2	1.0	0.2	Manufacture of wiring and wiring devices
8.2	9.3	-3.2	-1.2	-5.3	-10.6	-25.1	-12.5	-8.7	-17.1	-5.6	-14.3	Manufacture of fibre optic cables
0.2	-13.6	-12.0	-6.2	5.9	-6.7	2.1	-0.3	0.7	4.0	0.8	0.4	Manufacture of other electronic and electric wires and cables
19.6	10.3	3.7	17.6	17.0	9.9	0.7	-4.9	-5.0	5.7	8.8	10.3	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
26.1	15.2	8.4	19.4	17.0	4.8	10.4	25.3	24.4	32.3	21.8	36.8	Manufacture of electric lighting equipment
4.6	3.7	1.1	1.5	1.4	2.1	5.1	-1.0	-0.4	2.0	2.1	2.2	Manufacture of domestic appliances
2.2	-11.6	-10.1	-15.8	-16.2	-16.2	-16.8	-14.3	-18.8	-14.2	-19.6	-6.9	Manufacture of other electrical equipment
3.3	1.6	0.7	4.6	2.4	2.7	5.6	2.8	0.7	3.3	7.2	9.2	Manufacture of general-purpose and special-purpose machinery
												Manufacture of fluid power equipment
8.6	-1.4	-2.0	-4.8	0.8	1.6	8.5	8.9	-20.4	-20.9	-10.7	-1.3	Manufacture of other pumps, compressors, taps and valves
												Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
11.8	11.1	19.0	18.9	15.0	15.6	16.5	12.6	5.6	8.8	8.4	8.8	Manufacture of metal-forming machinery and machine tools
5.9	4.9	-1.8	-0.1	-1.6	10.3	13.0	13.2	12.6	15.6	12.4	10.3	Manufacture of air-conditioning machines, including for motor vehicles
-19.8	-24.3	-25.0	-12.2	-3.4	-16.6	-15.0	-5.5	-10.8	-11.0	5.8	8.3	Manufacture of other special-purpose machinery n.e.c.
9.0	9.2	7.8	10.9	-0.5	-0.6	5.1	-6.6	1.9	5.4	7.9	11.6	Other industry
29.4	19.6	0.8	43.0	23.0	-0.6	6.3	18.7	-17.2	-10.9	-24.2	-19.6	Manufacture of motor vehicles
-25.1	-28.4	-23.2	-26.9	-26.4	-1.4	-2.1	-7.3	0.02	3.2	7.3	6.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
16.9	13.9	-1.7	16.3	10.8	-10.2	7.5	5.5	2.9	5.2	-0.8	1.0	Manufacture of parts and accessories for motor vehicles
-12.3	-10.6	-5.3	-6.1	3.1	-3.1	10.5	7.2	1.6	1.6	34.6	33.2	Building of ships and boats
13.9	10.4	3.8	8.1	5.6	4.7	-0.02	-0.8	0.5	-0.2	-13.2	-11.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
41.4	30.3	21.5	22.3	22.6	8.0	5.2	2.9	-7.1	-0.7	-0.5	-6.6	Manufacture of motorcycles
-4.3	-17.0	-5.5	-7.3	-7.1	-0.1	1.5	6.4	6.3	6.4	6.9	7.1	Manufacture of bicycles and invalid carriages
9.2	15.0	0.2	8.7	3.4	5.2	-3.8	-6.0	2.3	-2.5	-26.0	-20.4	Other industry
13.0	9.2	15.3	16.1	8.3	6.3	5.4	8.7	6.8	5.3	2.6	3.9	Manufacture of furniture
13.7	9.8	21.5	22.1	15.6	5.7	5.5	10.0	6.9	6.3	3.7	7.9	Manufacture of wooden and cane furniture
12.4	8.6	8.8	10.3	1.9	6.8	5.3	7.2	6.6	4.3	1.4	0.1	Other industry
12.4	9.8	16.7	18.2	12.7	21.6	47.0	38.8	19.6	20.6	12.6	14.0	Manufacture of jewellery, bijouterie and related articles
1.6	-0.9	-2.6	-1.7	-2.7	-7.3	-16.1	-21.8	-15.7	-16.7	-9.2	-8.0	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-4.7	-10.3	0.4	4.9	4.7	11.6	13.3	5.1	9.7	10.4	9.1	9.2	Manufacture of stationery
3.8	2.3	-3.6	-3.7	-4.9	-13.1	-24.6	-29.7	-22.3	-24.4	-14.3	-13.3	Other industry
10.9	6.3	-2.4	-1.7	-2.6	-3.8	-12.4	4.1	-12.0	-20.4	-8.0	-7.5	Manufacture of sports goods
-15.9	-1.2	-1.5	-9.2	-6.3	37.8	57.3	44.4	28.6	21.9	30.2	29.0	Manufacture of games and toys
3.4	3.0	7.4	5.6	7.3	9.2	4.8	5.3	2.6	4.9	1.8	3.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
9.2	12.8	13.7	14.0	23.0	24.8	15.5	12.4	9.3	12.8	15.9	18.2	Repair and maintenance of transport equipment except motorcycles and bicycles
0.3	-2.2	3.4	-0.03	-0.8	1.5	-0.8	1.0	-1.9	-0.03	-6.9	-5.4	Other industry
3.2	0.7	1.4	5.7	5.5	5.9	9.1	7.7	2.9	3.0	4.5	5.7	Total Manufacturing

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	-0.5	5.5	-2.8	-0.1	3.3	3.2	0.1	4.6	1.9	5.4	-0.9	4.8	0.2	-1.8	-3.6
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.7	2.6	4.4	1.0	-4.6	0.2	-0.4	1.5	8.1	-10.7	5.2	-3.0	12.3	-5.3	4.8
	10201 Pengetinan ikan, krustasea dan moluska															
	&															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.2	2.6	4.7	0.3	-4.9	0.1	-0.5	1.5	8.6	-11.6	5.5	-2.9	12.6	-5.2	5.6
	Industri lain	7.4	1.3	-0.4	11.7	-0.3	1.5	0.2	2.2	1.6	2.5	1.8	-3.8	8.1	-5.9	-6.6
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.3	16.0	3.3	1.7	1.5	3.8	-0.8	0.5	4.7	3.5	16.1	-2.4	8.0	4.0	-3.2
	10303 Pengetinan nanas															
	&															
	10304 Pembuatan jem, marmalad dan sajian jeli	8.4	28.3	3.2	4.1	-1.5	2.3	1.5	4.4	8.7	6.8	17.9	-5.2	21.8	11.4	-10.1
	Industri lain	10.9	12.6	3.3	0.9	2.5	4.3	-1.5	-0.7	3.7	2.6	15.5	-1.6	4.1	1.6	-0.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-21.1	0.8	8.1	10.1	-16.8	10.5	15.0	9.0	-18.1	-5.4	-6.8	5.1	3.6	0.4	-3.9
	10404 Pembuatan minyak sayuran mentah dan bertapis															
	&															
	10406 Pembuatan sebatian lemak masakan	-4.9	5.1	1.1	-2.3	-1.9	-7.0	16.1	5.7	-17.4	6.7	1.2	0.3	6.4	-6.9	-1.4
	10405 Pembuatan minyak kelapa	-20.3	-13.8	13.2	10.2	9.1	0.5	18.6	7.6	-17.8	-13.9	-9.7	-11.6	25.8	-16.3	10.3
	Industri lain	-23.1	0.3	9.1	11.9	-18.9	13.2	14.8	9.4	-18.1	-6.9	-8.0	6.0	3.0	1.7	-4.4
105	Pembuatan produk tenusu	0.2	4.1	-7.8	0.2	-2.8	2.0	2.4	5.1	-3.1	2.6	7.9	-1.1	2.1	-6.3	-6.9
	10502 Pembuatan susu pekat, tepung dan sejat	0.7	3.8	-9.2	0.1	-3.3	0.8	1.4	6.1	-3.6	3.8	8.2	-1.3	1.7	-7.0	-7.6
	Industri lain	-6.5	7.8	13.8	0.7	2.8	16.2	12.2	-3.9	3.7	-13.4	2.9	3.0	9.7	4.1	2.1
106	Pembuatan produk bijian, kanji dan produk berkanji	1.5	1.6	-1.3	2.1	3.6	6.0	1.5	1.7	-4.7	6.7	2.6	-2.0	3.7	-7.6	-0.6
	10611 Pengilangan beras	2.4	3.6	-4.8	-0.3	4.9	10.5	2.0	-1.6	-7.4	17.4	0.2	-0.4	5.3	-13.5	0.2
	10613 Pengilangan tepung	1.7	0.2	2.2	4.2	2.3	2.0	1.7	5.2	-1.9	-2.0	5.4	-3.6	2.3	-1.5	-1.5
	Industri lain	-13.8	-7.1	2.7	5.7	5.8	2.0	-8.9	0.2	-7.4	-6.9	-0.1	-2.7	-2.4	-1.1	1.4
107	Pembuatan produk makanan lain	0.9	4.6	1.8	4.3	-0.1	5.6	2.1	5.6	-0.6	1.2	2.1	-2.1	9.4	-3.5	-1.9
	10711 Pembuatan biskut dan cookies	-1.0	13.5	11.3	12.5	-9.9	4.8	6.3	5.0	-6.3	8.1	0.8	-0.2	15.9	-0.7	6.0
	10712 Pembuatan roti, kek dan produk bakeri lain	10.0	6.0	-3.1	-5.2	3.5	5.8	6.2	4.4	6.4	-4.6	6.3	-4.7	14.2	-2.4	-4.3
	10713 Pembuatan produk snek	-4.6	14.1	7.9	11.2	3.4	10.5	-3.8	2.2	-10.9	3.4	13.3	-1.5	10.3	-3.3	-1.2
	10721 Pembuatan gula	-0.6	16.0	9.1	9.4	-7.6	6.5	2.7	5.9	-2.9	2.7	-0.8	-0.2	18.2	9.3	-7.5
	10731 Pembuatan produk koko	2.1	-3.8	2.1	7.5	16.3	21.4	5.4	18.5	0.4	11.1	-14.4	-0.3	10.4	-9.1	5.7
	10732 Pembuatan coklat dan produk coklat															
	&															
	10733 Pembuatan konfeksi gula	-1.4	0.2	-2.4	4.9	0.3	5.1	-2.3	5.3	1.6	-1.7	1.1	-1.0	6.8	-9.5	-2.4
	10793 Pembuatan sos dan bahan perasa	-1.5	1.0	8.0	8.2	-0.9	6.0	-5.4	8.1	-5.9	10.3	2.8	1.8	-12.7	9.8	-2.5
	10799 Pembuatan produk makanan lain t.t.t.l.	-6.3	-1.8	3.1	11.1	-7.3	-4.2	6.7	7.6	-4.9	3.4	1.9	-3.9	4.4	-8.7	-1.0
	Industri lain	0.8	5.2	2.6	1.2	2.4	3.4	0.2	0.04	-3.3	3.2	3.6	-2.3	7.4	-2.5	-0.2
108/ 10800	Pembuatan makanan haiwan tersedia	2.9	14.8	2.9	-5.1	-3.5	5.1	-2.0	-2.2	-0.3	2.3	6.0	6.5	5.1	-1.1	1.9
110	Pembuatan minuman ringan	-1.4	-2.3	4.9	4.7	-1.1	-0.4	6.0	7.2	1.5	-0.4	6.8	0.4	-6.3	-8.0	10.4
	11041 Pembuatan minuman ringan	-4.3	-1.2	9.7	5.0	-2.4	0.2	11.1	6.7	-7.9	3.6	8.5	0.6	-10.5	-3.0	20.2
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3.1	3.1	8.0	-6.2	-2.4	1.2	8.1	4.8	-2.8	11.9	6.9	0.4	-4.8	-6.0	9.6
	Industri lain	2.0	-5.4	-3.4	7.7	1.5	-1.7	-2.9	8.8	18.5	-8.7	4.2	0.3	-0.1	-15.7	-4.9
120/ 12000	Pembuatan produk tembakau	29.1	-16.7	-19.0	25.1	29.4	-14.7	-20.6	17.4	30.3	-11.5	29.7	-20.7	4.9	-30.3	-1.5
131	Pemintalan, penenunan dan penyiapan tekstil	-8.9	0.3	-6.9	-1.3	8.4	7.2	-10.3	-2.7	-10.8	-8.9	8.8	-4.0	5.0	-4.0	-4.1
	13110 Penyediaan dan pemintalan gentian tekstil															
	&															
	13120 Penenunan tekstil	-5.6	-0.8	-11.1	-4.3	11.2	7.0	-11.2	-2.4	-9.3	-9.2	8.3	-3.7	5.9	-8.3	-3.6
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-18.9	4.4	7.2	7.4	1.4	8.4	-8.3	-3.9	-16.6	-7.5	10.9	-4.9	1.7	12.1	-5.8
	Industri lain	-12.1	-12.8	-1.5	-13.0	13.5	-22.2	9.4	8.9	12.5	-23.1	-0.7	-4.6	8.9	-13.3	2.5
139	Pembuatan tekstil lain	7.1	-2.5	0.5	8.6	8.7	-3.7	-1.2	3.0	6.4	-0.05	-0.8	-2.1	-0.1	0.7	-1.5
	13910 Pembuatan fabrik dikait dan dikrusye	-0.3	-2.6	-4.1	3.6	9.1	-2.3	-0.2	-4.3	0.01	0.2	-0.1	-2.6	-0.2	0.3	-4.6
	Industri lain	13.0	-2.4	3.7	11.8	8.5	-4.5	-1.8	7.5	11.4	-0.2	-1.3	-1.8	0.04	1.0	0.6
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	-6.1	0.6	7.2	2.7	-7.7	3.8	0.7	-2.8	0.7	-0.2	-5.3	1.1	-4.7	5.6
	14102 Pembuatan pakaian	0.7	-4.1	1.0	6.4	1.2	-8.5	3.5	0.2	-4.5	-0.04	-2.0	-2.2	1.7	-5.2	6.6
	Industri lain	16.6	-18.9	-2.8	13.4	14.4	-2.4	5.3	3.9	12.2	5.8	12.3	-24.2	-3.5	-0.8	-2.7
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	9.8	-10.0	3.5	19.1	9.4	-14.7	2.9	2.1	12.6	5.1	1.3	-12.5	1.1	-1.0	-0.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-7.8	-13.6	6.2	25.2	-7.2	-16.7	16.7	27.7	-2.7	-3.5	4.8	-12.7	0.4	-9.5	2.3
152	Pembuatan kasut	2.9	-2.5	2.6	11.4	-3.9	-9.0	-6.3	5.7	3.9	-7.2	5.4	0.3	-3.5	-4.5	2.8
	15201 Pembuatan kasut kulit															
	&															
	15203 Pembuatan kasut getah	-1.4	-2.4	6.1	14.1	-4.4	-11.4	-1.0	8.9	4.2	-10.3	4.3	2.0	-4.1	-2.3	3.8
	Industri lain	11.7	-2.7	-3.6	5.9	-2.7	-3.9	-16.6	-1.4	3.5	-1.3	7.4	-2.5	-2.5	-8.5	1.0
161/ 16100	Pengilangan dan pengetaman kayu	7.7	-29.9	5.8	16.1	6.1	-27.3	2.7	15.6	-3.0	2.1	13.6	-21.8	-19.3	-19.1	4.3

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2.9	0.2	-0.03	1.6	-6.6	5.9	2.6	-0.8	2.5	2.4	-3.8	-0.4	1.9	2.8	2.7	3.7	-9.1	Processing and preserving of meat
-1.2	0.7	3.2	-1.5	-3.4	4.5	-10.8	3.8	0.7	2.3	-1.9	-0.7	0.3	1.6	0.8	-0.8	0.5	Processing and preserving of fish, crustaceans and molluscs
-1.6	0.0	3.4	-1.9	-3.6	4.7	-11.4	4.3	1.1	1.5	-2.2	-0.1	-0.2	2.3	0.5	-1.0	0.7	Canning of fish, crustaceans and molluscs
6.2	11.7	-0.1	3.6	-0.8	2.0	-2.6	-3.3	-4.8	13.8	2.1	-7.5	7.4	-6.7	3.9	1.7	-1.3	Processing, curing and preserving of fish, crustacean and molluscs
-1.3	7.2	-1.5	1.1	-5.1	8.3	-6.8	3.9	1.8	4.1	-2.8	0.8	-1.7	0.1	4.9	-4.3	-2.5	Other industry
-3.2	9.0	2.9	-0.7	-8.7	6.2	-5.1	7.3	-4.1	6.6	-2.1	0.3	-3.2	8.2	4.3	-1.4	-9.3	Processing and preserving of fruits and vegetable
-0.7	6.6	-2.9	1.7	-3.9	9.0	-7.3	2.9	3.7	3.4	-3.0	1.0	-1.2	-2.4	5.0	-5.3	-0.1	Pineapple canning
8.7	14.1	0.9	-3.5	-0.3	1.1	-23.5	-3.3	20.4	4.3	2.1	7.1	8.5	-3.2	9.7	-2.4	1.4	Manufacture of jams, marmalades and table jellies
6.5	3.0	-2.3	-9.1	6.9	5.4	-12.6	1.3	-10.1	6.1	9.6	1.1	7.4	3.5	1.0	-3.9	7.7	Manufacture of vegetable and animal oils and fats
10.5	1.4	10.0	-14.4	20.2	-0.3	5.3	-3.6	-11.9	20.0	3.9	13.5	-6.4	1.7	3.4	9.8	-3.6	Manufacture of crude and refined vegetable oil
9.0	15.8	1.3	-2.7	-1.3	0.5	-25.3	-4.0	25.8	4.0	1.2	7.8	8.8	-4.0	10.9	-2.3	0.7	Manufacture of compound cooking fats
6.0	-3.3	2.3	1.7	-8.6	0.05	0.5	6.8	-1.7	2.0	-6.2	1.5	8.9	-3.4	0.4	9.3	-5.5	Manufacture of coconut oil
6.0	-4.0	2.6	2.2	-8.9	-1.1	1.3	7.4	-2.2	0.4	-6.9	1.4	9.6	-4.4	1.2	10.3	-5.7	Manufacture of dairy products
5.2	5.5	-0.2	-4.1	-4.6	13.1	-7.4	0.3	4.9	19.8	0.8	1.7	2.7	5.3	-6.6	-0.7	-3.0	Manufacture of condensed, powdered and evaporated milk
3.1	4.2	-0.5	-0.8	-1.8	5.8	-6.5	12.2	-1.5	4.4	-2.5	-1.9	3.9	3.3	1.0	-3.0	-2.0	Other industry
2.3	4.7	-2.1	-2.9	0.1	3.4	-5.8	20.0	-1.3	4.8	-4.9	0.3	3.1	4.2	-1.8	-5.3	0.3	Manufacture of grain mill products, starches and starch products
4.2	3.4	1.0	1.1	-3.5	7.8	-7.2	5.3	-2.0	4.7	-0.1	-3.8	4.9	2.7	4.0	-1.0	-4.3	Rice milling
-1.3	11.2	0.2	-0.8	-1.9	9.3	-6.9	9.4	2.5	-6.0	0.1	-5.9	-0.5	-2.7	0.5	2.0	1.2	Flour milling
4.1	1.5	1.6	1.9	-2.7	1.6	-3.4	5.3	0.8	6.1	-4.7	-0.08	4.3	1.7	3.4	-0.2	-0.6	Other industry
0.5	0.7	7.9	6.7	-2.5	-7.9	-9.1	11.6	-0.2	1.4	-0.2	6.3	-1.7	2.4	7.5	-5.1	0.2	Manufacture of other food products
2.6	-9.0	0.7	0.05	-1.6	7.2	-6.0	4.7	4.2	2.8	-3.8	2.6	6.8	1.8	-0.5	0.8	2.7	Manufacture of biscuits and cookies
9.3	5.3	1.3	6.1	-2.5	6.3	-11.7	16.4	-0.03	10.1	-6.6	0.5	-4.4	-0.1	6.7	-4.2	0.3	Manufacture of bread, cakes and other bakery products
4.3	8.1	3.5	2.1	-7.1	-4.9	0.8	2.4	0.4	10.3	-7.3	0.5	3.1	6.0	4.6	-1.5	-7.5	Manufacture of snack products
-0.5	0.3	8.5	-0.3	-2.2	18.3	1.2	-2.8	6.0	27.3	-4.6	-5.0	13.1	-6.4	19.9	-1.3	0.5	Manufacture of sugar
6.0	2.1	-0.4	4.3	-2.6	-2.5	0.4	8.7	-1.3	5.7	-9.1	-1.2	6.0	-1.4	2.3	2.4	0.8	Manufacture of cocoa products
9.6	7.1	0.02	-0.1	1.4	-0.5	-2.7	1.6	4.5	1.5	0.9	-10.9	3.9	7.3	1.2	3.0	-3.7	Manufacture of chocolate and chocolate products
8.8	9.2	3.0	0.7	-3.8	-2.2	-3.9	-1.1	-1.5	0.7	-3.4	-1.1	10.1	9.4	-0.7	1.1	-4.6	Manufacture of sugar confectionery
0.9	4.7	-1.0	-0.9	-1.5	4.4	-3.7	5.7	-1.5	4.1	-0.9	0.5	-2.3	1.5	1.1	-1.4	-0.8	Manufacture of sauces and condiments
-0.03	0.3	0.7	-3.5	-11.4	4.0	-1.1	8.2	-0.8	4.8	-6.4	2.7	-0.2	-5.0	0.8	4.3	-7.0	Manufacture of other food products n.e.c.
5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	0.2	-6.9	-3.2	8.1	6.0	-3.4	10.6	-4.2	0.3	Other industry
-2.2	-5.2	16.8	-10.1	2.2	-0.4	-5.6	12.2	2.3	-10.9	-0.8	14.6	3.2	-2.0	13.9	-9.1	0.1	Manufacture of prepared animal feeds
7.0	-0.8	-2.4	-5.0	-6.9	0.1	4.7	3.0	1.9	-5.4	-1.7	11.6	1.2	-2.9	6.1	0.5	0.1	Manufacture of beverages
20.5	1.4	10.4	-9.2	-8.9	8.3	1.5	7.0	-3.6	-0.7	-7.4	-3.8	13.3	-5.9	5.9	3.9	0.7	Manufacture of soft drinks
11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	-18.6	3.0	-25.8	1.0	-1.3	-9.7	31.5	-4.7	-2.2	Production of natural mineral waters and other bottled waters
1.9	-9.0	2.0	3.2	1.0	12.1	-8.3	1.8	4.8	10.3	-7.4	-2.7	0.3	-18.7	8.4	3.6	2.8	Other industry
0.1	-12.4	0.5	4.8	2.6	12.5	-9.2	6.0	5.0	4.4	-4.7	-2.4	-1.3	-19.6	11.1	2.7	2.5	Manufacture of tobacco products
7.0	1.0	5.7	-0.5	-2.6	10.8	-6.2	-8.4	4.2	28.3	-14.1	-3.5	4.4	-16.3	1.5	6.2	3.5	Spinning, weaving and finishing of textiles
16.0	-20.5	1.9	-1.1	-12.8	26.8	13.4	-27.3	-9.7	5.8	-2.1	9.7	10.7	-21.3	28.5	-5.6	0.9	Preparation and spinning of textile fibres
1.6	1.5	5.2	3.4	-1.5	9.8	-1.8	0.5	-4.7	1.7	0.7	-1.2	0.2	-3.4	1.9	4.6	0.6	Weaving of textiles
1.6	-2.1	3.8	2.0	-1.6	10.0	-0.9	0.8	-2.6	-0.1	0.6	0.8	4.3	-11.9	-1.6	7.1	-0.6	Dyeing, bleaching, printing and finishing of yarns and fabrics
1.6	3.9	6.0	4.2	-1.4	9.6	-2.4	0.3	-5.9	2.8	0.7	-2.4	-2.3	2.4	4.0	3.2	1.3	Other industry
-3.6	1.4	3.9	7.6	-4.3	5.1	-7.6	10.8	-8.7	-2.8	-7.7	15.6	-7.5	0.1	3.4	0.8	-1.5	Manufacture of other textiles
-3.6	-0.1	4.0	7.6	-3.9	4.3	-9.1	11.3	-7.8	-2.8	-8.2	16.7	-7.5	-0.1	4.4	-1.3	-1.5	Manufacture of wearing apparel, except fur apparel
-4.1	14.1	2.9	7.8	-7.3	12.2	3.2	7.4	-14.5	14.1	-4.3	9.3	-7.9	1.1	-2.9	14.7	-1.4	Manufacture of clothings
-4.1	23.4	6.6	3.9	-10.7	14.1	1.3	4.1	-12.0	-4.3	-9.6	12.1	-0.5	0.2	4.5	2.5	-11.6	Other industry
9.6	12.3	10.5	8.4	-9.6	-2.6	-3.3	4.6	-15.1	-1.9	-7.5	6.7	16.9	12.2	9.7	7.4	-5.4	Manufacture of articles of fur, knitted and crocheted apparel
9.7	-6.1	9.2	5.1	-0.5	1.6	-10.2	0.3	-3.9	-2.5	-0.9	-4.6	2.6	-6.2	2.3	10.4	0.1	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
10.6	-4.7	9.8	5.7	0.2	0.6	-12.0	3.7	-9.5	-1.8	3.1	-3.8	6.1	-7.3	3.9	12.7	-1.0	Manufacture of footwear
8.1	-9.1	8.0	3.8	-1.8	3.8	-6.4	-6.6	8.5	-3.7	-8.3	-6.4	-4.8	-3.4	-1.6	4.7	3.0	Manufacture of leather footwear
45.4	-5.9	11.7	-3.3	-3.0	10.8	-11.9	23.4	-16.9	-23.7	-18.0	4.0	42.8	-6.0	10.0	-2.4	0.1	Manufacture of rubber footwear
																	Other industry
																	Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-35.0	8.3	30.5	10.4	-31.7	10.8	24.6	3.0	-4.2	6.0	-22.5	-20.9	-16.1	-0.2
16211	Pembuatan kepingan venier dan papan lapis	7.0	-37.5	9.0	35.8	11.0	-35.0	9.6	33.9	9.1	-4.5	5.7	-23.6	-23.1	-17.7	-1.8
16212	Pembuatan papan partikel dan papan gentian	-5.3	-32.2	6.1	27.2	10.4	-29.8	14.7	20.3	-8.0	-1.4	8.3	-22.3	-17.9	-18.1	-0.1
16221	Pertukangan kayu untuk jurubina	2.9	-36.6	14.0	27.0	8.9	-31.8	17.8	16.5	6.1	-11.3	3.7	-23.6	-19.8	-9.0	7.6
	Industri lain	3.3	-28.0	4.4	17.4	9.1	-17.7	-1.4	0.4	2.9	-2.0	3.6	-15.7	-20.0	-10.2	-2.0
170	Pembuatan kertas dan produk kertas	5.6	-2.4	0.1	2.5	1.9	-2.9	-0.3	0.3	1.9	3.6	5.3	-2.1	-5.7	-3.3	-0.1
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.2	-9.0	3.6	6.7	1.0	-1.5	1.4	-1.0	5.4	2.9	-9.9	-0.8	2.0	-11.3	0.8
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.8	-6.0	0.1	3.9	-6.5	-1.4	5.9	-3.4	-4.4	1.2	7.3	-5.7	-4.9	-6.1	1.6
17091	Pembuatan sampul surat dan kad surat	-4.5	-7.1	-5.2	-2.9	-0.1	4.6	-1.5	8.9	4.0	-14.9	12.3	-4.4	-8.0	1.7	-3.2
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	18.4	-0.8	-2.1	-3.0	7.3	-7.3	-9.5	0.8	5.1	4.8	12.0	-2.8	-8.2	-4.0	-0.6
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	14.0	8.2	-5.5	2.1	11.7	-6.5	-9.1	15.2	6.6	9.4	13.5	5.4	-19.2	17.7	-6.8
	Industri lain	22.5	8.6	7.5	3.6	8.9	3.7	7.5	-4.1	8.3	8.1	3.5	1.1	5.3	-3.1	4.4
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.8	-9.4	0.1	10.0	3.8	-6.1	1.9	7.8	-1.4	1.7	-1.4	-6.1	-4.8	-0.1	1.1
18110	Percetakan	3.1	-7.7	2.3	11.1	4.8	-4.3	3.2	7.8	-0.3	2.3	1.3	-6.0	-5.3	0.4	2.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan & Penerbitan semula media rakaman	6.1	-15.0	-7.2	6.1	-0.3	-13.6	-4.3	7.7	-4.5	0.2	-9.6	-6.4	-3.3	-2.0	-3.0
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-18.5	1.5	3.4	-7.6	-10.3	8.2	7.0	-8.4	5.3	-23.4	3.7	4.5	7.5	-1.8	-2.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5.9	-13.3	3.3	-3.3	6.1	-2.5	4.0	-5.4	-0.8	-0.3	4.3	-15.4	1.2	-3.1	1.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-10.3	-27.3	-4.5	15.5	5.7	13.5	7.8	8.8	-8.1	-10.2	-13.0	-14.6	3.7	-15.0	9.8
20112 & 20113	Pembuatan kimia organik asas & Pembuatan sebatian bukan organik	7.1	-19.3	4.9	-4.1	11.0	-2.1	3.8	-4.1	-2.1	0.3	2.7	-17.1	-6.4	-0.5	2.2
20121 & 20129	Pembuatan baja & Pembuatan produk campuran nitrogen	5.8	-12.4	-10.7	-8.6	-10.2	2.4	-9.4	-3.0	3.8	-6.2	5.0	-10.9	8.8	-23.7	-1.1
20131	Pembuatan plastik dalam bentuk primer	7.8	-2.8	5.8	-2.0	1.7	-6.4	6.5	-10.0	0.5	1.7	9.5	-15.2	11.8	-1.2	0.7
	Industri lain	-1.6	-8.3	-1.6	-4.4	8.0	2.7	3.0	-2.0	1.6	-1.0	1.2	-8.5	0.4	-1.5	-2.3
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	6.0	-3.3	8.1	1.5	7.0	-6.9	4.2	-5.2	-0.1	-4.4	9.0	-13.0	9.4	0.8	1.2
20210	Pembuatan racun perosak dan produk agrokimia lain	2.9	-3.0	9.8	-2.4	0.2	-9.3	-3.4	-8.8	-8.2	-10.6	8.9	-6.8	-4.1	15.3	-0.4
20221	Pembuatan cat, varnis dan penyadur dan mastik	19.8	6.0	9.0	1.6	17.6	-9.2	-0.7	-4.8	4.6	0.3	17.8	-13.9	15.4	0.9	-1.7
20222	Pembuatan dakwat cetak	3.9	-4.3	-1.7	-6.7	22.1	-5.7	1.9	-8.2	1.5	-4.5	0.3	-6.2	4.7	0.8	0.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap & Pembuatan pewangi dan penyediaan dandanan diri	3.1	-5.2	8.8	-3.2	5.8	-8.3	9.7	-13.5	-1.4	-0.1	9.1	-17.5	13.4	-1.2	3.9
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials & Pembuatan dakwat menulis dan melukis	-3.2	-11.4	5.7	12.2	-3.7	2.7	6.3	10.3	0.9	-13.2	-2.7	-6.8	4.1	-2.8	0.4
20299	Pembuatan produk kimia lain t.t.t.l.															
	Industri lain	6.4	-23.3	6.5	28.8	-16.7	-19.3	28.1	-0.1	2.8	-6.9	9.0	-16.3	-12.8	-9.8	26.6
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	5.0	-2.7	3.2	-1.9	6.9	-1.5	2.8	-3.9	5.0	1.1	6.4	-4.6	-8.6	10.9	-2.8
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	6.9	-1.5	0.9	-1.2	6.6	0.4	-1.8	-5.0	8.2	0.8	6.6	-2.2	-9.9	9.8	-4.1
	Industri lain	-2.8	-8.4	14.7	-4.9	8.4	-9.6	25.4	0.01	-7.7	2.2	5.5	-15.5	-2.1	16.3	3.4
221	Pembuatan produk getah	0.04	11.3	-12.0	-1.4	8.1	12.6	-8.0	-1.2	-3.2	-6.8	38.9	-4.0	-4.0	-3.2	-3.4
22111	Pembuatan tayar getah untuk kenderaan	-0.9	-7.0	-10.7	-12.9	-5.0	18.0	-5.8	0.03	2.1	-5.9	6.2	-11.0	5.8	-4.0	-2.5
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	20.9	1.4	1.5	5.4	-3.6	2.9	7.7	-1.1	4.0	17.0	8.8	-12.1	7.0	-1.8	-4.6
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan & Pengilangan semula getah dan prosesan susu getah	-14.3	-1.9	-1.8	13.7	-2.3	2.7	5.4	3.0	-11.9	-9.1	14.7	-7.7	1.3	-1.65	1.6
22192	Pembuatan sarung tangan getah	4.2	16.0	-15.6	-3.4	11.8	15.5	-11.4	-1.2	-0.9	-7.2	50.2	-3.0	-5.4	-4.4	-5.1
22199	Pembuatan produk getah lain yang t.t.t.l.	-12.5	0.9	6.3	1.9	1.3	1.8	3.2	-6.1	-11.1	-5.2	10.7	-4.0	-2.6	5.7	5.1
222	Pembuatan produk plastik	-7.1	11.7	-0.3	-0.8	-4.7	12.5	-1.2	-0.9	-10.7	-0.2	12.6	4.0	4.3	-9.8	5.9
22201 & 22202	Pembuatan produk plastik separa siap & Pembuatan produk plastik siap	-2.6	10.0	-4.9	-4.0	-2.9	10.3	-5.0	1.8	-7.2	2.5	10.7	-0.1	6.8	-6.6	-0.7
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-14.4	12.6	0.1	-0.7	-4.7	17.7	-1.0	-5.5	-15.8	-0.7	9.2	6.0	6.8	-11.4	8.2
22204	Pembuatan barangan plastik jurubina	16.8	22.2	10.5	-0.8	-7.8	5.8	10.1	1.5	-11.9	24.3	29.3	-2.1	4.0	-8.6	14.4
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-4.0	24.4	-7.8	-10.2	-4.9	18.5	1.8	-7.1	-2.9	-9.3	28.4	10.7	-0.9	-1.8	-3.7
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-5.8	3.7	7.1	8.0	-5.5	6.2	-1.4	6.2	-10.1	-1.4	9.0	3.7	0.6	-16.3	15.9
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5.9	-7.7	-7.0	7.5	13.4	-8.5	-4.9	-2.0	-3.1	-4.1	6.5	-7.7	-0.3	-7.6	1.7

2024																Group Description/Period	
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.		Dis.
41.1	13.5	11.1	-1.8	-2.3	13.2	-6.4	12.6	-21.6	-21.2	-12.9	5.5	30.8	13.0	8.1	-1.9	-1.0	Manufacture of products of wood, cork, straw and plaiting materials
46.0	20.1	12.2	-2.2	-5.0	15.1	-4.1	10.2	-23.3	-23.0	-16.2	1.4	39.0	19.1	11.4	-2.2	-1.9	Manufacture of veneer sheets and plywood
37.0	14.6	6.2	-1.0	2.6	11.1	-11.5	18.9	-21.9	-19.3	-13.0	10.0	27.0	14.8	4.1	-1.3	-2.0	Manufacture of particle board and fibreboard
37.3	-5.1	23.3	-1.8	-6.1	11.2	-0.4	9.1	-23.4	-20.5	-7.9	12.5	34.4	-5.5	11.0	-1.7	2.0	Manufacture of builders' carpentry
35.4	1.7	6.4	-1.8	2.4	11.8	-10.5	12.2	-8.7	-18.7	-2.5	4.3	4.8	1.2	-2.0	-2.1	4.8	Other industry
6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	0.7	-6.0	-1.5	3.9	-0.2	-2.5	-0.7	5.1	-1.7	Manufacture of paper and paper products
14.5	2.9	2.1	-2.7	0.1	3.6	2.4	-9.6	2.1	2.6	2.2	3.6	-4.1	-4.8	-1.5	8.9	-1.6	Manufacture of pulp, paper and paperboard
4.0	5.6	0.3	-1.2	-2.1	0.2	-11.6	9.3	-0.2	-5.8	3.3	8.3	-1.2	-4.7	-2.2	5.6	-3.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.6	-0.03	0.8	-4.9	-0.5	4.5	-5.6	4.1	11.5	-8.3	-4.3	-5.8	15.9	0.9	4.4	1.0	-5.1	Manufacture of envelopes and letter-card
8.7	-4.4	-3.8	3.4	-3.6	3.1	3.4	9.4	-2.6	-10.3	-14.4	2.1	3.0	1.6	-2.3	3.4	-3.3	Manufacture of household and personal hygiene paper
-3.0	0.5	2.6	-1.2	2.9	5.9	10.1	-7.6	8.8	-19.1	2.1	-8.5	8.0	0.9	6.0	6.1	3.9	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
4.7	0.5	-1.2	5.5	-2.1	8.9	-2.4	3.8	-3.1	7.5	0.6	9.4	-5.0	-3.3	-0.3	-0.3	0.8	Other industry
0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	-2.4	-6.3	2.4	5.5	-4.8	1.1	-1.5	17.2	-2.5	Printing, service activities related to printing and reproduction of recorded media
0.6	3.3	-2.6	18.8	-2.9	0.9	-0.2	1.4	-2.3	-6.1	3.8	5.3	-5.1	3.4	-1.9	15.3	-2.1	Printing
-0.3	-5.3	4.6	7.6	0.8	0.2	-0.9	-8.0	-2.6	-6.9	-3.8	6.5	-3.4	-10.0	0.8	27.2	-4.5	Service activities related to printing
																	Reproduction of recorded media
9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	6.1	-6.5	21.1	0.6	-3.6	-4.6	3.5	-4.1	-14.8	Manufacture of refined petroleum products
10.7	-9.0	-2.8	3.5	0.8	6.6	-4.6	3.2	0.3	-3.7	-2.7	6.4	6.7	-10.3	-6.6	6.2	7.2	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-2.6	-7.1	8.9	23.9	-8.5	0.7	-0.6	13.6	4.2	1.6	-1.9	11.4	-4.3	1.2	-8.0	24.2	7.3	Manufacture of liquefied or compressed inorganic industrial or medical gases
																	Manufacture of basic organic chemicals
14.0	-10.6	-7.5	9.2	2.7	7.6	-2.4	0.4	7.3	-8.1	-9.3	12.0	8.4	-10.0	-10.2	12.0	9.6	Manufacture of inorganic compounds
																	Manufacture of fertilizers
15.2	-11.2	0.4	-5.3	-7.2	-7.9	-6.1	27.7	-11.1	-0.7	2.9	-6.9	-0.8	-11.3	1.4	5.6	1.2	Manufacture of associated nitrogen products
6.6	-6.2	1.4	-1.7	-0.03	5.8	-6.8	4.1	-9.9	2.0	6.8	0.3	8.8	-13.2	-3.7	-2.7	5.6	Manufacture of plastics in primary forms
7.6	-9.7	3.8	-6.1	1.2	17.2	-9.9	0.1	5.5	1.6	-0.7	6.3	-3.0	-3.6	0.6	0.9	1.0	Other industry
5.3	-1.1	-0.8	1.0	1.9	14.0	-15.1	8.8	-7.7	1.9	-0.9	2.5	3.7	-2.4	-3.8	0.5	-4.1	Manufacture of other chemical products and man-made fibres
3.9	-2.3	4.9	-6.7	-7.3	12.0	-2.7	-5.4	-6.0	0.3	2.9	-3.2	-3.8	1.2	-2.8	-8.7	0.5	Manufacture of pesticides and other agrochemical products
9.4	-2.5	-1.9	-0.5	8.0	18.1	-15.2	17.8	-12.3	-0.4	-4.2	1.8	2.3	-3.1	-1.4	3.4	-12.6	Manufacture of paints, varnishes and similar coatings ink and mastics
-1.0	-11.2	-8.9	18.4	-2.0	22.8	-11.1	9.7	-0.1	-6.2	-11.0	19.4	-2.3	-12.2	0.4	1.8	-1.7	Manufacture of printing ink
																	Manufacture of soap and detergents, cleaning and polishing preparations
5.5	-6.7	-3.0	2.9	2.2	17.5	-20.0	4.9	-7.1	3.9	2.6	4.4	9.1	-11.0	-7.8	-1.4	-1.4	Manufacture of perfumes and toilet preparations
																	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
2.2	13.1	2.5	2.1	-3.0	4.5	-13.7	8.8	-0.1	4.4	-1.9	0.8	1.5	12.9	-1.3	3.2	1.8	Manufacture of writing and drawing ink
																	Manufacture of other chemical products n.e.c.
-24.9	45.5	0.1	13.4	7.2	-18.4	-9.3	-0.3	-22.7	11.2	2.0	14.9	-3.0	26.0	-13.8	-3.8	10.8	Other industry
2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	-3.6	-12.4	17.7	-3.4	-0.8	1.8	-2.2	-3.9	-0.05	Manufacture of pharmaceuticals, medicinal chemical and botanical products
2.7	2.0	0.6	-4.8	-2.3	3.8	5.2	7.6	-1.4	-14.3	17.5	-4.7	-5.3	4.0	-3.8	-1.9	-2.2	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
0.3	3.3	1.8	-14.0	2.4	12.2	0.04	0.5	-13.9	-2.2	18.8	2.6	18.6	-5.8	3.5	-10.9	8.3	Other industry
-10.1	3.7	3.5	-3.7	-3.5	7.1	-8.6	34.4	0.6	-5.2	-3.4	1.2	-8.8	2.0	5.9	-6.5	-2.1	Manufacture of rubber products
-10.2	-2.8	3.7	-16.0	-1.8	5.7	-6.5	3.5	8.2	16.4	-5.0	-3.1	-4.9	-2.9	11.3	-8.0	-4.4	Manufacture of rubber tyres for vehicles
2.6	10.7	1.8	-3.1	-5.5	3.9	-9.7	13.0	-6.6	7.8	0.02	6.0	-0.7	-1.1	1.9	-1.9	-2.1	Manufacture of interchangeable tyre treads and retreading rubber tyres
																	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-4.7	1.2	13.1	2.1	-0.1	0.02	-10.9	14.7	-0.8	-0.2	-4.5	12.2	-3.1	-3.0	2.5	4.7	1.40	Rubber remilling and latex processing
-11.9	4.4	2.6	-4.4	-4.8	8.6	-7.9	43.4	0.8	-7.3	-4.5	0.2	-10.9	3.1	7.7	-8.5	-2.8	Manufacture of rubber gloves
-4.0	3.5	0.8	-0.2	1.0	6.1	-11.4	8.5	-1.6	-0.7	7.8	-0.6	-2.4	2.0	-4.7	-3.0	-0.2	Manufacture of other rubber products n.e.c.
-0.5	-0.6	-0.3	1.0	-1.6	-4.7	-4.0	10.7	9.5	1.3	-10.1	7.1	-1.2	-1.2	1.3	1.2	-5.5	Manufacture of plastics products
																	Manufacture of semi-manufactures of plastic products
-4.2	2.6	-2.0	-3.5	-0.1	-2.3	-5.9	14.4	3.5	3.3	-7.4	1.9	-4.0	-0.5	4.0	2.0	-5.2	Manufacture of finished plastic products
-2.1	-1.0	0.04	2.9	-3.6	-5.2	-1.4	8.9	13.0	4.2	-11.2	8.3	-3.3	-0.2	-1.0	-1.9	-6.3	Manufacture of plastic articles for the packing of goods
1.0	1.7	-1.5	5.1	-11.9	-4.2	-3.0	15.9	-2.9	3.6	-7.1	15.5	-2.6	2.3	1.4	5.2	-11.7	Manufacture of builders' plastics ware
-1.8	-5.0	0.6	-11.4	1.9	-1.6	-6.4	12.3	16.9	-4.1	-4.0	9.5	-2.1	-5.1	4.1	-8.4	-4.3	Manufacture of plastic tableware, kitchenware and toilet articles
7.1	-1.8	0.8	8.8	0.7	-8.0	-4.6	7.9	10.0	-2.8	-15.0	7.8	6.0	-2.0	0.7	9.3	-3.9	Manufacture of diverse plastic products n.e.c.
-0.3	-10.0	2.7	16.5	4.0	8.2	-4.0	-0.2	-3.3	-3.6	-5.0	11.0	-11.6	-8.2	0.3	9.6	5.0	Manufacture of glass and glass products

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	12.9	-10.8	0.5	6.9	12.6	-10.3	-0.6	2.6	3.5	2.6	3.3	-9.7	-6.3	0.4	0.4
23911 & 23921	Pembuatan mortar refraktori dan konkrit & Pembuatan seramik bukan refraktori	10.7	-6.4	2.3	6.3	3.4	-11.1	4.2	11.2	-1.3	3.9	3.6	-8.9	0.02	-2.5	-3.0
23930	Pembuatan produk porselin dan seramik lain	-0.6	-6.9	1.2	5.8	-13.2	6.2	3.8	-7.3	3.3	-4.8	-8.4	-0.3	2.5	-2.7	2.9
23941	Pembuatan simen hidrolik	15.2	-12.2	-3.2	6.4	13.6	-11.1	-5.0	4.4	8.1	0.3	4.4	-8.6	-10.3	0.6	0.5
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	13.7	-11.0	0.5	4.4	12.7	-11.9	1.5	-0.6	2.3	2.5	2.2	-12.4	-1.4	0.4	1.3
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; & Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan & Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	11.7	-9.8	2.8	8.4	16.5	-11.2	0.1	3.6	1.0	3.1	4.1	-9.1	-7.6	2.4	0.7
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.2	-14.5	3.7	10.2	9.6	-4.3	-0.9	-2.7	1.5	10.5	-0.1	-12.7	-6.3	-2.8	1.2
	Industri lain	20.4	-6.7	-6.7	1.0	2.7	-10.6	5.5	4.9	15.0	-2.7	9.2	-8.2	-3.0	-3.7	-5.6
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2.2	-19.1	7.2	21.5	1.8	-16.1	3.9	16.2	-0.6	3.3	6.2	-16.2	-10.9	-3.2	-6.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-0.8	-18.9	-1.0	27.6	-2.7	-10.6	-2.7	20.4	-4.7	0.9	3.2	-3.7	-17.3	-22.4	-5.3
243	Pengacuan logam	-6.7	5.6	1.2	5.3	6.7	-0.7	-3.7	2.2	-9.1	-2.6	4.9	2.0	-0.9	5.3	-14.1
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	10.1	-0.8	-6.3	8.8	10.2	-3.1	-13.4	5.9	4.3	-8.3	6.5	-0.9	-2.0	0.6	-6.4
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam & Pembuatan produk struktur logam lain	14.5	-0.9	-8.7	8.3	12.5	-3.0	-11.3	7.7	6.0	-5.0	2.6	-0.3	-0.4	-1.0	-10.8
25120	Pembuatan tangki, takungan dan kontena daripada logam	-0.7	0.4	0.0	11.2	5.5	-2.5	-19.5	1.3	0.6	-17.1	18.7	-1.5	-6.7	5.0	4.5
	Industri lain	9.8	-8.7	-3.0	-3.7	-0.9	-12.0	-5.1	-0.5	-0.1	-5.7	5.1	-10.7	1.1	0.8	1.0
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.5	-3.5	-1.3	10.7	7.9	-0.3	-2.9	6.0	1.3	0.6	-4.4	2.8	-4.5	-1.4	-0.4
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.0	0.2	1.5	2.5	-1.4	0.6	1.7	2.8	0.4	-2.6	4.1	-0.4	-2.3	1.1	0.9
25920	Rawatan dan penyalutan logam; menggunakan mesin	10.9	-15.7	-6.4	21.5	28.8	13.4	-4.6	11.9	9.0	-3.9	-16.8	1.8	-7.3	0.4	-0.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	3.7	-0.4	7.0	10.7	6.8	-7.3	-8.8	8.3	-0.3	1.4	-1.4	-1.0	1.3	0.5	0.2
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam & Pembuatan bolt, skru, nat dan produk uliran seumpamanya	6.7	-3.5	-5.2	9.7	12.4	-0.1	-6.8	4.3	1.8	2.0	-4.8	-0.6	0.4	-2.1	-3.6
25994	Pembuatan barangan rumah daripada logam	9.0	-1.3	0.7	4.3	7.2	-0.1	-5.1	4.3	7.8	-2.8	-1.0	4.4	-2.5	-6.7	7.6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	0.6	-1.9	-2.3	13.5	-0.4	-4.1	3.7	5.8	-3.4	2.4	-5.5	12.6	-13.9	-3.1	1.4
	Industri lain	21.8	-1.1	7.3	8.0	2.9	3.7	8.4	2.8	15.6	0.4	4.5	2.0	-5.8	-6.7	9.1
261	Pembuatan komponen dan papan elektronik	-2.7	-5.6	6.7	-7.6	5.6	-0.9	9.3	-7.2	-12.8	15.9	14.7	-21.2	0.4	13.4	-8.3
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya & Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-4.9	-8.1	11.3	-9.5	5.9	-0.3	11.7	-9.5	-14.5	10.0	18.9	-26.3	3.4	17.2	-5.0
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik & Pembuatan papan litar bercetak & Pembuatan komponen paparan	1.3	-4.2	-1.0	-6.6	4.5	-2.2	3.9	-6.4	-10.6	25.8	9.0	-15.3	-4.3	8.1	-13.3
26109	Pembuatan komponen lain untuk aplikasi elektronik	-10.1	23.3	21.0	7.3	11.3	2.2	19.4	8.5	-7.2	4.2	19.2	-2.9	9.1	16.2	-6.3
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	8.0	12.9	-17.5	3.6	23.8	24.5	-16.8	-10.2	2.1	9.7	-7.9	30.7	-15.4	-3.9	-1.5
263/ 26300	Pembuatan peralatan komunikasi	5.5	30.0	14.5	-12.4	1.6	23.0	8.5	-11.9	-12.4	4.4	29.2	-0.9	3.8	21.5	-16.1
264/ 26400	Pembuatan peralatan elektronik pengguna	-5.0	-2.6	20.6	-8.2	-10.2	6.4	17.1	-14.7	-5.5	3.8	19.2	-15.8	2.0	2.2	7.6
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-10.8	-13.0	23.7	12.4	-6.7	-1.1	22.7	9.0	-7.1	-14.4	15.5	-24.5	6.6	17.0	-0.6
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan & Pembuatan kelengkapan kawalan proses perindustrian	-8.9	-14.2	22.6	13.4	-5.1	-0.2	23.1	9.1	-6.7	-14.5	16.4	-25.9	7.0	16.6	-2.5
26520	Pembuatan jam tangan dan jam dan bahagiannya	-25.3	-2.4	32.9	4.5	-19.9	-10.2	18.1	8.8	-10.4	-13.7	7.7	-10.8	4.1	20.0	14.8
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-12.0	-5.5	10.8	17.9	1.6	-17.3	1.2	11.5	-10.8	2.4	14.9	-16.8	-1.5	12.2	-6.3

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2.6	0.6	-2.9	11.7	2.5	8.6	-5.4	6.6	-7.2	-8.1	-0.5	3.6	-0.1	-2.4	-2.9	9.1	3.7	Manufacture of non-metallic mineral products n.e.c.
																	Manufacture of refractory mortars and concretes
4.4	12.3	-5.7	6.1	-2.9	7.6	-7.2	3.1	-8.8	-1.2	-4.1	1.8	7.7	1.6	0.5	7.0	6.2	Manufacture of non-refractory ceramic
2.2	-6.3	7.9	3.9	-2.6	-9.0	-3.8	-5.2	9.4	1.7	2.7	7.3	-5.0	-6.6	-0.9	1.9	-4.4	Manufacture of other porcelain and ceramic products
0.5	-2.3	-0.3	13.1	-1.4	8.5	-2.2	9.5	-8.2	-12.0	-0.2	1.4	-1.5	-2.6	-0.1	8.4	3.6	Manufacture of hydraulic cement
0.2	-2.3	-4.0	13.6	3.6	7.1	-5.2	7.2	-8.5	-9.5	0.02	4.4	3.0	-3.9	-3.9	5.8	3.8	Manufacture of ready-mix and dry-mix concrete and mortars
																	Manufacture of precast concrete, cement or artificial stone articles for use in construction
4.2	1.2	-4.3	12.6	6.9	12.6	-9.5	5.8	-5.6	-10.7	2.9	2.1	0.5	-1.0	-5.3	11.9	5.4	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
7.7	4.7	-2.0	10.1	-0.7	2.1	1.8	10.0	-12.8	9.0	-9.7	8.8	-4.5	-6.7	-2.7	10.8	-2.0	Manufacture of other articles of concrete, cement and plaster n.e.c.
-0.2	7.5	-4.9	1.6	1.0	5.6	-1.2	-9.2	2.3	-6.2	-7.0	18.3	-6.8	1.0	2.4	4.1	4.1	Manufacture of other non-metallic mineral products n.e.c.
																	Other industry
18.4	23.9	-1.7	5.9	-3.9	-2.9	5.3	6.0	-10.8	-13.8	-6.4	-2.9	14.9	21.0	1.3	-1.5	-5.2	Manufacture of basic iron and steel
31.1	30.4	1.7	-2.7	0.4	-2.1	-3.6	7.5	0.4	-15.5	-13.2	-4.3	16.9	20.2	-2.2	6.0	1.1	Manufacture of basic precious and other non-ferrous metals
19.4	3.0	1.7	-4.6	-2.6	13.4	-6.6	5.5	10.1	-12.1	-9.6	-5.0	16.4	7.1	-2.5	-5.5	-2.3	Casting of metals
0.7	-0.1	1.0	6.7	8.7	5.0	-4.9	1.9	1.1	-7.8	4.7	-14.4	2.0	-1.2	-1.3	4.8	12.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
																	Manufacture of metal doors, windows and their frames, shutters and gates
5.4	-1.3	-1.6	7.9	10.7	6.6	-5.1	-0.6	2.4	-5.8	2.3	-13.2	3.1	1.8	-3.1	4.9	15.4	Manufacture of other structural metal products
-9.5	3.7	7.9	3.8	4.5	1.1	-4.1	9.0	-1.3	-13.3	12.1	-18.6	-0.7	-9.8	4.2	4.7	4.0	Manufacture of tanks, reservoirs and containers of metal
-3.2	-8.4	-0.5	6.0	-0.4	2.3	-6.6	-1.0	-6.6	-1.6	-5.7	1.7	-3.3	-0.5	-1.5	3.3	0.9	Other industry
1.8	1.2	4.6	1.6	9.9	2.2	-7.5	12.1	1.7	-10.6	1.6	-1.4	2.4	-1.0	3.2	-0.2	8.5	Manufacture of other fabricated metal products; metal working service activities
																	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
3.4	-4.7	4.6	-0.3	0.9	0.2	-4.5	3.1	2.9	-4.8	1.6	1.6	3.9	-5.4	5.6	-1.1	1.4	Treatment and coating of metals; machining
-9.4	9.8	10.4	-1.3	24.0	5.0	-2.8	28.3	-1.3	-9.3	16.7	-15.5	5.4	5.1	3.5	0.1	8.2	Manufacture of tins and cans for food products, collapsible tubes and boxes
8.5	0.9	1.1	1.7	14.5	1.3	-10.6	10.4	-0.4	-11.8	-5.3	-4.1	4.1	1.1	3.9	-3.8	14.6	Manufacture of metal cable, plaited bands and similar articles
-0.8	0.2	5.8	1.7	8.0	5.0	-2.1	8.0	0.9	-7.1	-1.5	-4.0	3.9	-5.9	2.9	1.9	8.8	Manufacture of bolts, screws, nuts and similar threaded products
-0.8	-1.6	7.0	-3.2	3.0	9.7	-1.5	-6.7	4.2	-1.4	5.6	-10.1	4.4	-1.9	1.7	2.5	2.3	Manufacture of metal household articles
3.9	3.4	3.6	3.2	10.8	-0.7	-18.1	18.3	5.1	-19.1	1.2	11.8	-3.1	3.8	1.7	-1.5	11.1	Manufacture of any other fabricated metal products n.e.c.
7.6	0.3	1.0	8.2	-3.4	-0.8	3.6	3.0	4.4	-7.3	3.7	9.1	0.9	-3.2	2.3	6.6	-5.3	Other industry
5.6	9.3	-9.2	-7.5	-2.3	-5.8	14.7	18.8	-23.0	12.0	6.8	-8.9	11.5	8.5	-14.9	1.9	-3.9	Manufacture of electronic components and boards
																	Manufacture of diodes, transistors and similar semiconductor devices
3.1	7.5	-9.1	-10.8	4.2	-10.2	14.5	25.2	-26.4	13.1	10.6	-7.9	11.0	5.6	-14.9	-1.3	0.3	Manufacture of electronic integrated circuits micro assemblies
																	Manufacture of electrical capacitors and resistors
9.7	10.0	-9.7	-2.7	-11.5	-1.6	17.8	11.8	-18.6	8.0	2.6	-11.2	12.9	9.8	-16.8	9.0	-11.4	Manufacture of printed circuit boards
																	Manufacture of display components
6.4	27.7	-5.9	-6.0	-0.8	13.9	-1.6	4.4	-16.8	31.0	-1.4	-4.1	7.6	29.5	-6.2	-7.1	2.4	Manufacture of other components for electronic applications
5.2	-34.7	42.3	-7.7	6.3	14.0	11.9	-2.1	35.0	-15.6	2.0	0.8	-1.5	-38.5	33.1	-11.9	14.2	Manufacture of computers and peripheral equipment
16.2	21.0	-29.8	0.9	14.6	-12.1	1.5	13.0	-11.4	40.5	1.2	-9.2	10.1	1.2	-19.9	10.4	-3.2	Manufacture of communication equipment
7.1	14.1	-12.9	-1.2	-13.8	-4.8	2.6	9.0	-16.5	25.0	6.7	3.1	5.0	-4.5	-7.3	-6.9	-6.5	Manufacture of consumer electronics
5.1	19.4	-0.4	-1.8	0.9	-5.7	-7.0	11.5	-19.0	21.0	6.1	-1.1	14.0	8.4	-0.9	1.0	-1.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
																	Manufacture of measuring, testing, navigating and control equipment
6.0	21.1	-0.9	-1.7	1.6	-4.9	-6.6	12.1	-19.4	22.3	6.7	-2.1	14.6	9.5	-1.3	0.4	-1.3	Manufacture of industrial process control equipment
-1.0	7.0	3.4	-2.5	-4.2	-12.5	-10.3	6.3	-15.0	8.3	-0.6	11.4	7.5	-3.6	4.3	8.7	-3.8	Manufacture of watches and clocks and parts
16.3	-1.8	10.6	8.6	-8.1	16.0	-18.8	10.1	-16.4	9.5	-18.3	4.1	15.5	-5.5	5.2	8.8	-2.1	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1.9	0.5	21.7	2.4	6.5	-16.2	9.3	19.1	-8.1	1.8	17.1	-12.8	1.6	7.1	10.3
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-5.4	5.9	25.5	-11.8	-11.0	5.7	17.9	-5.5	-0.6	-6.6	9.0	-1.5	2.4	6.9	12.4
27101	Pembuatan motor elektrik, penjana dan transformer	-11.7	-0.8	32.2	-11.1	-12.4	2.0	28.9	-8.3	1.2	-8.7	1.8	-0.2	0.2	3.3	14.4
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-2.8	8.5	23.2	-12.0	-10.5	7.1	13.9	-4.3	-1.3	-5.8	11.9	-2.0	3.2	8.2	11.8
272/ 27200	Pembuatan bateri dan akumulator	-25.3	8.8	-15.4	16.9	-10.5	13.1	25.1	-15.9	-15.6	-13.6	-3.5	11.7	0.9	13.3	-33.3
273	Pembuatan pendawaian dan peranti pendawaian	-2.9	-2.1	4.4	-3.6	-5.4	3.4	5.8	-1.9	-2.3	0.7	-2.6	-0.7	-0.7	1.8	1.0
27310	Pembuatan kabel gentian optikal	15.2	15.4	1.7	-13.2	2.8	3.8	-9.1	-9.9	2.3	-7.2	7.5	4.1	12.3	0.6	2.1
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.0	-3.3	4.6	-2.7	-6.9	3.0	8.0	-1.8	-2.3	1.0	-3.7	-0.5	-2.1	2.2	1.3
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.5	4.0	4.3	-8.1	11.3	7.6	-12.1	2.8	-5.4	2.1	7.2	-7.2	10.9	-2.3	-4.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-7.2	-1.4	30.4	-8.8	-0.7	-3.9	38.1	-1.3	-11.6	1.0	2.1	-10.7	13.1	-0.5	20.6
275/ 27500	Pembuatan perkakasan domestik	-8.4	2.3	7.1	-14.4	9.9	0.9	6.4	-13.5	-12.3	0.4	9.3	-0.8	-6.6	4.8	-1.8
279/ 27900	Pembuatan kelengkapan elektrik lain	-2.1	8.2	8.0	-6.9	-14.1	-2.9	7.2	-3.5	-1.4	-2.6	4.0	-1.4	10.2	2.8	-0.4
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-10.8	6.6	-8.5	13.4	-8.0	8.1	-8.7	17.5	-12.6	-4.5	1.9	7.8	-0.2	-2.0	-12.3
28120	Pembuatan alat-alat kuasa bendalir	-29.8	-1.3	6.2	36.3	-28.6	-4.0	2.8	26.5	-17.2	0.5	-19.0	15.1	-3.7	4.6	-16.6
28130	Pembuatan pam, pemampat, kepala paip dan injap lain	-15.2	8.5	-5.8	16.1	-4.1	11.0	-9.9	13.3	-15.9	-4.3	-3.0	11.7	0.3	1.5	-10.1
28180	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-15.2	8.5	-5.8	16.1	-4.1	11.0	-9.9	13.3	-15.9	-4.3	-3.0	11.7	0.3	1.5	-10.1
28220	Pembuatan jentera pembentukan logam dan alatan mesin	-3.6	11.6	-25.8	23.4	0.8	11.0	-18.2	23.1	-6.7	-4.9	6.6	13.8	2.8	-18.4	-23.6
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-14.7	-1.5	-14.3	11.1	-17.9	13.9	-14.1	25.7	-22.5	-6.8	11.7	3.9	-17.9	8.1	-9.4
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-4.4	8.5	3.6	3.3	-6.5	2.9	0.4	12.1	-5.1	-3.8	0.5	2.0	10.3	1.7	-7.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-13.6	-20.2	18.3	37.9	-10.6	-17.2	-0.2	10.2	-17.5	-10.8	13.5	-33.9	29.5	-9.7	17.7
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-0.6	-2.3	-5.2	19.8	-32.8	5.7	13.8	30.8	1.9	-8.3	19.2	-6.6	3.7	-18.8	10.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	4.2	1.1	9.8	-1.9	0.5	-2.7	9.8	-5.4	0.4	-0.8	11.1	-14.7	19.0	-4.6	9.3
301 (30110 & 30120)	Pembinaan kapal dan bot	5.0	-5.7	-24.6	27.6	0.0	1.1	-17.9	46.4	8.1	0.9	17.1	9.2	-32.2	-3.8	-17.4
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-15.9	-1.6	2.6	17.7	-8.1	-4.3	-3.5	7.8	-15.2	-7.8	18.2	-9.4	-0.8	1.9	0.6
30910	Pembuatan motosikal	-18.2	6.1	12.2	7.7	2.1	-5.1	-3.9	4.4	-19.8	-7.1	6.7	-0.7	2.0	10.7	6.6
30920	Pembuatan basikal dan invalid carriages	-22.5	-1.0	-15.1	12.6	-3.6	3.3	-6.6	14.9	-16.3	-4.9	3.4	-1.6	2.2	-4.1	-13.6
	Industri lain	-11.0	-5.6	6.6	25.4	-14.9	-7.0	-1.7	6.6	-12.1	-9.7	32.4	-16.5	-3.7	0.4	4.4
310	Pembuatan perabot	4.6	-20.4	-2.5	35.2	7.3	-21.9	-5.6	31.4	3.6	-4.7	7.8	-19.5	7.5	-26.1	6.4
31001	Pembuatan perabot kayu dan rotan	8.2	-24.6	2.4	30.6	14.1	-24.6	-4.4	28.8	5.3	0.3	6.1	-23.5	3.4	-21.9	8.0
	Industri lain	1.0	-16.0	-7.1	39.9	0.7	-19.0	-6.8	34.1	2.0	-9.6	9.6	-15.2	11.4	-29.8	4.8
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-5.7	16.6	-15.4	13.6	0.8	21.2	-3.8	-1.7	4.2	-11.9	-0.3	18.4	8.1	-6.3	-24.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5.6	12.9	5.2	-11.8	-5.1	9.2	-10.2	-4.8	1.5	2.9	-0.7	10.3	8.8	-10.9	7.8
32901	Pembuatan alat tulis	12.4	3.5	-0.3	-9.6	2.0	16.4	1.8	-9.3	14.3	-0.7	-1.4	5.7	1.2	-5.0	2.0
	Industri lain	3.5	16.1	6.9	-12.5	-7.2	7.0	-14.4	-2.9	-2.3	4.1	-0.5	11.8	11.2	-12.5	9.6
323/ 32300	Pembuatan barangan sukan	12.5	4.8	-20.9	11.5	13.1	-2.4	-24.7	5.9	6.3	-4.0	18.2	13.7	-15.9	-19.8	6.3
324/ 32400	Pembuatan permainan dan mainan	-8.7	26.5	-26.2	-3.9	4.5	39.9	1.5	-14.6	-0.8	-14.5	26.5	17.0	21.4	-40.4	-9.0
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-3.6	-14.9	3.4	19.6	-0.4	-13.0	0.4	18.7	-4.5	-3.4	15.1	-1.9	-30.4	1.0	0.03
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-5.2	-15.1	8.7	18.8	2.1	-9.5	1.9	22.8	-8.3	-4.4	28.8	1.0	-40.9	-0.9	3.8
	Industri lain	-2.6	-14.8	0.3	20.1	-2.0	-15.1	-0.6	15.8	-2.3	-2.9	7.8	-3.6	-23.4	2.0	-1.8
Jumlah Pembuatan		-5.3	-2.3	3.3	1.7	-0.9	1.5	4.1	-0.3	-5.4	-1.9	7.6	-7.2	1.3	0.4	-2.4

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
7.6	-0.3	-1.1	3.7	-3.4	9.2	-6.3	9.0	-16.7	-0.02	-8.7	12.6	5.1	-0.4	19.7	-1.3	-3.1	Manufacture of optical instruments, photographic equipment, magnetic and optical media
7.9	2.1	-10.6	-5.8	-4.0	-1.4	-10.0	4.1	6.1	2.5	-3.2	12.6	7.3	3.6	-2.5	-9.6	-3.5	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
19.1	0.9	-9.9	-8.7	-4.4	1.0	-12.2	1.4	5.9	0.7	-1.7	15.3	16.9	4.1	-2.8	-17.2	-3.8	Manufacture of electric motors, generators and transformers
4.0	2.6	-10.8	-4.6	-3.8	-2.3	-9.1	5.2	6.1	3.2	-3.7	11.6	3.7	3.3	-2.3	-6.4	-3.4	Manufacture of electricity distribution and control apparatus
12.2	22.4	1.9	-4.0	0.04	-2.3	-11.2	1.1	9.7	10.4	-0.8	16.1	1.6	11.1	-18.2	-3.9	-6.1	Manufacture of batteries and accumulators
2.7	1.6	-2.8	-2.2	-3.9	7.1	-12.1	-1.8	6.0	10.4	-9.7	8.0	0.8	2.9	0.4	-4.3	-4.7	Manufacture of wiring and wiring devices
8.7	-28.1	7.8	-9.6	16.1	2.2	-6.2	-4.8	6.2	7.7	-5.1	-14.4	26.8	-24.9	-2.1	3.0	5.3	Manufacture of fibre optic cables
1.8	3.9	-2.9	-2.0	-4.7	6.6	-12.9	-1.9	6.0	10.6	-10.0	10.9	-0.6	4.9	0.3	-5.0	-5.1	Manufacture of other electronic and electric wires and cables
12.0	-3.2	-7.4	-0.9	-5.0	19.9	-5.9	0.8	5.2	10.3	-8.3	-12.1	5.7	-3.3	3.1	2.0	-3.6	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
7.2	-1.2	-7.0	-0.7	-8.6	12.9	-7.7	-4.0	-1.5	10.8	-10.9	27.0	21.6	-1.8	-1.2	-8.5	2.6	Manufacture of electric lighting equipment
17.7	-9.2	-10.7	-3.5	-1.8	10.5	-0.5	6.6	-0.3	-6.7	5.5	1.0	10.9	-8.7	-8.6	-3.5	-1.6	Manufacture of domestic appliances
2.1	5.4	-8.6	-1.4	-4.0	-2.7	-15.8	5.8	-7.6	9.6	2.8	-1.2	5.2	-0.1	-3.4	-7.6	11.2	Manufacture of other electrical equipment
7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	12.0	-2.4	-1.8	-9.8	4.5	0.6	5.3	13.2	1.9	Manufacture of general-purpose and special-purpose machinery
11.7	46.7	-0.4	10.9	-7.4	-17.7	-8.7	-19.5	11.8	1.9	5.5	-10.9	12.0	7.3	-1.0	25.1	2.3	Manufacture of fluid power equipment
4.2	2.3	1.0	15.8	3.1	-8.4	-4.9	3.9	11.5	-3.0	2.1	-9.4	0.7	-4.0	4.1	15.3	3.5	Manufacture of other pumps, compressors, taps and valves
18.2	-4.2	7.8	13.8	6.6	-3.4	-5.9	-0.2	15.8	1.3	-8.5	-21.6	18.3	-4.7	10.7	10.6	4.7	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-17.4	28.2	1.9	-1.5	0.2	-13.4	-11.9	10.5	21.6	-9.7	-6.7	-7.7	-8.1	20.9	1.7	17.0	2.5	Manufacture of metal-forming machinery and machine tools
17.5	-9.9	2.3	7.0	-4.9	-2.9	-3.6	-0.9	5.0	-1.1	1.6	-2.5	4.4	-1.7	5.8	9.5	-1.6	Manufacture of air-conditioning machines, including for motor vehicles
-7.3	13.2	19.7	16.6	-5.5	1.5	-17.5	-4.4	-6.2	11.3	-27.0	25.9	3.5	-21.1	28.9	-0.8	0.1	Manufacture of other special-purpose machinery n.e.c.
-2.5	-1.5	21.7	5.0	-8.6	-29.6	-12.4	27.9	-11.1	4.4	8.7	9.7	-7.7	6.3	25.6	9.1	-9.2	Other industry
1.2	-8.2	-3.1	13.7	-6.2	4.4	-3.4	-4.1	1.0	13.3	-22.6	30.8	-0.6	-10.4	-0.9	7.2	-4.6	Manufacture of motor vehicles
0.6	24.8	26.2	-18.1	-1.4	-1.6	2.9	24.0	8.3	-25.5	-9.6	-5.8	-2.4	18.3	26.2	8.5	-2.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
1.1	0.8	7.6	18.0	-9.2	-3.5	-10.6	11.1	-5.7	-3.0	1.0	-3.9	0.3	2.1	7.0	2.5	-7.0	Manufacture of parts and accessories for motor vehicles
-3.8	1.3	-1.2	14.2	0.1	8.3	-14.4	-0.4	-0.1	2.2	-2.4	3.8	-5.9	-8.6	5.6	14.5	-6.0	Building of ships and boats
2.3	-3.7	11.9	7.0	-6.5	5.9	-17.6	17.8	-3.5	2.4	3.1	-12.2	7.3	-3.8	12.1	7.6	-6.4	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
3.5	2.4	10.8	24.3	-14.3	-13.2	-4.9	15.4	-9.4	-8.4	2.2	-4.6	1.1	11.5	5.5	-5.7	-7.9	Manufacture of motorcycles
5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	-19.0	0.3	-27.5	5.5	8.5	17.6	10.3	5.8	2.0	Manufacture of bicycles and invalid carriages
10.7	11.1	9.3	12.8	-1.1	6.8	-3.1	17.4	-23.1	-2.1	-28.6	7.8	15.4	8.0	8.6	10.1	2.9	Other industry
-0.4	29.4	14.4	4.7	2.4	3.4	-12.7	9.9	-14.1	2.9	-26.4	3.3	1.4	28.7	11.9	1.8	1.0	Manufacture of furniture
5.9	29.3	-11.8	12.8	-2.6	6.8	-14.0	6.0	19.9	3.1	1.1	-8.9	0.0	11.4	-11.1	5.4	-1.5	Manufacture of wooden and cane furniture
5.1	-2.4	-8.9	-4.3	-1.3	-2.2	0.3	-2.5	11.3	7.6	-15.0	-2.5	-2.0	5.2	-9.9	4.3	0.0	Other industry
7.6	-11.8	-1.4	-7.0	6.9	1.2	-6.5	10.3	10.4	1.0	1.2	3.5	-0.2	-8.0	-0.8	-8.1	7.0	Manufacture of jewellery, bijouterie and related articles
4.4	0.4	-10.8	-3.5	-3.6	-3.3	2.6	-6.2	11.6	9.9	-20.1	-4.8	-2.8	11.0	-13.2	9.5	-2.5	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-15.9	11.1	7.5	1.1	5.9	11.6	-7.9	8.5	14.5	-16.7	-20.8	-3.1	-0.1	-6.1	-2.9	16.9	6.5	Manufacture of stationery
10.0	8.4	0.04	-14.4	-7.0	6.4	0.5	26.0	7.8	25.4	-12.4	3.9	0.9	-3.5	-5.1	-8.6	-7.8	Other industry
10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	-3.5	-29.2	2.8	-4.0	10.9	25.5	-1.5	4.4	-5.5	Manufacture of sports goods
21.0	39.0	-9.8	7.0	-8.7	-2.5	-1.3	29.8	1.2	-36.2	0.6	-4.0	17.8	35.1	-6.9	10.0	-6.9	Manufacture of games and toys
4.8	22.5	0.7	7.9	-5.9	-1.3	-5.3	14.0	-6.8	-23.9	4.3	-4.0	6.7	19.0	2.7	0.5	-4.5	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3	1.1	0.8	0.6	4.4	-1.0	-0.5	0.3	-2.2	Repair and maintenance of transport equipment except motorcycles and bicycles
																	Other industry
																	Total Manufacturing

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
Table : Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023				2024
					Q1	Q2	Q3	Q4	Q1
101	Pemprosesan dan pengawetan daging	13,600	14,664	15,265	13,849	14,305	14,857	14,664	14,966
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,751	17,342	17,394	17,382	17,330	17,416	17,342	17,616
	10201 Pengetinan ikan, krustasea dan moluska								
	&								
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,170	14,485	14,280	14,711	14,566	14,554	14,485	14,642
	Industri lain	2,581	2,857	3,114	2,671	2,764	2,862	2,857	2,974
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9,962	10,127	9,524	10,536	10,835	10,474	10,127	10,789
	10303 Pengetinan nanas								
	&								
	10304 Pembuatan jem, marmalad dan sajian jeli	620	570	540	568	560	570	570	583
	Industri lain	9,342	9,557	8,984	9,967	10,275	9,904	9,557	10,206
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,266	89,888	92,217	85,462	85,734	89,500	89,888	89,298
	10404 Pembuatan minyak sayuran mentah dan bertapis								
	&								
	10406 Pembuatan sebatian lemak masakan	4,052	4,477	4,782	4,124	4,141	4,465	4,477	4,604
	10405 Pembuatan minyak kelapa	2,542	2,631	2,653	2,558	2,558	2,633	2,631	2,669
	Industri lain	77,672	82,779	84,782	78,780	79,035	82,401	82,779	82,025
105	Pembuatan produk tenusu	13,321	13,874	14,135	13,366	13,280	13,759	13,874	14,144
	10502 Pembuatan susu pekat, tepung dan sejat	9,674	9,858	9,963	9,678	9,560	9,830	9,858	10,197
	Industri lain	3,648	4,017	4,172	3,689	3,719	3,928	4,017	3,947
106	Pembuatan produk bijian, kanji dan produk	11,197	11,538	11,591	11,341	11,257	11,509	11,538	11,325
	10611 Pengilangan beras	5,307	5,400	5,524	5,421	5,301	5,390	5,400	5,438
	10613 Pengilangan tepung	4,921	5,223	5,236	5,010	5,044	5,202	5,223	4,992
	Industri lain	969	915	831	910	912	917	915	895
107	Pembuatan produk makanan lain	130,228	141,851	146,141	132,812	133,853	140,391	141,851	142,155
	10711 Pembuatan biskut dan cookies	14,486	14,889	15,052	14,747	14,600	14,836	14,889	14,430
	10712 Pembuatan roti, kek dan produk bakeri lain	31,304	33,814	35,131	31,832	32,231	33,443	33,814	33,618
	10713 Pembuatan produk snek	8,846	9,620	9,845	8,858	8,961	9,202	9,620	9,581
	10721 Pembuatan gula	1,744	1,836	1,829	1,760	1,783	1,878	1,836	1,829
	10731 Pembuatan produk koko	2,563	2,644	2,405	2,523	2,614	2,636	2,644	2,569
	10732 Pembuatan coklat dan produk coklat								
	&								
	10733 Pembuatan konfeksi gula	7,861	8,634	8,716	7,925	7,955	8,566	8,634	8,682
	10793 Pembuatan sos dan bahan perasa	11,546	13,437	15,091	11,881	11,908	12,698	13,437	13,873
	10799 Pembuatan produk makanan lain t.t.t.l.	15,127	18,153	18,807	15,474	16,158	18,537	18,153	18,596
	Industri lain	36,752	38,825	39,266	37,813	37,642	38,595	38,825	38,979
108/ 10800	Pembuatan makanan haiwan tersedia	15,573	13,666	13,914	15,606	15,188	14,266	13,666	13,947
110	Pembuatan minuman ringan	16,373	16,805	17,239	16,770	16,865	16,602	16,805	17,129
	11041 Pembuatan minuman ringan	10,622	10,717	11,025	10,744	10,847	10,607	10,717	10,884
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3,923	4,111	4,234	4,197	4,172	4,104	4,111	4,247
	Industri lain	1,828	1,976	1,981	1,829	1,846	1,890	1,976	1,998
120/ 12000	Pembuatan produk tembakau	1,232	1,259	1,278	1,448	1,254	1,271	1,259	1,331
131	Pemintalan, penenunan dan penyiapan tekstil	13,055	13,207	13,753	13,274	13,204	13,419	13,207	13,470
	13110 Penyediaan dan pemintalan gentian tekstil								
	&								
	13120 Penenunan tekstil	8,882	9,168	9,339	9,093	9,029	9,316	9,168	9,433
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,762	3,592	3,928	3,690	3,701	3,610	3,592	3,568
	Industri lain	412	447	486	491	474	493	447	469
139	Pembuatan tekstil lain	14,816	15,096	14,845	14,841	15,173	15,177	15,096	14,854
	13910 Pembuatan fabrik dikait dan dikrusye	5,792	5,531	5,465	5,619	5,657	5,593	5,531	5,407
	Industri lain	9,024	9,564	9,380	9,222	9,515	9,584	9,564	9,447
141	Pembuatan pakaian, kecuali pakaian berbulu	42,584	43,688	43,092	42,881	42,985	42,139	43,688	44,375
	14102 Pembuatan pakaian	31,056	31,863	31,431	31,236	31,154	30,424	31,863	32,580
	Industri lain	11,528	11,825	11,661	11,645	11,831	11,715	11,825	11,795
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,007	1,093	1,050	1,089	1,086	1,114	1,093	1,099
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,843	5,808	5,752	6,032	5,746	5,903	5,808	5,680
152	Pembuatan kasut	6,717	7,071	7,415	6,979	7,072	7,012	7,071	7,209
	15201 Pembuatan kasut kulit								
	&								
	15203 Pembuatan kasut getah	3,748	3,719	3,741	3,760	3,667	3,659	3,719	3,731
	Industri lain	2,969	3,352	3,674	3,219	3,405	3,353	3,352	3,478
161/ 16100	Pengilangan dan pengetaman kayu	25,101	24,448	24,600	25,234	24,629	24,640	24,448	24,271

			2023	2024	2023					Group Description/Period
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar	Apr.		
14,548	15,288	15,265	14,664	15,265	14,001	13,965	13,849	14,325	Processing and preserving of meat	
17,657	17,410	17,394	17,342	17,394	17,041	17,485	17,382	17,297	Processing and preserving of fish, crustaceans and molluscs	
14,690	14,245	14,280	14,485	14,280	14,410	14,801	14,711	14,606	Canning of fish, crustaceans and molluscs	
2,967	3,165	3,114	2,857	3,114	2,632	2,684	2,671	2,692	Processing, curing and preserving of fish, crustacean and molluscs	
10,401	9,719	9,524	10,127	9,524	10,313	10,554	10,536	10,589	Other industry	
									Processing and preserving of fruits and vegetable	
									Pineapple canning	
567	548	540	570	540	565	567	568	566	Manufacture of jams, marmalades and table jellies	
9,834	9,172	8,984	9,557	8,984	9,748	9,987	9,967	10,023	Other industry	
90,516	91,201	92,217	89,888	92,217	84,824	85,592	85,462	84,987	Manufacture of vegetable and animal oils and fats	
									Manufacture of crude and refined vegetable oil	
4,666	4,772	4,782	4,477	4,782	4,089	4,096	4,124	4,100	Manufacture of compound cooking fats	
2,665	2,662	2,653	2,631	2,653	2,549	2,549	2,558	2,555	Manufacture of coconut oil	
83,184	83,767	84,782	82,779	84,782	78,185	78,947	78,780	78,332	Other industry	
14,003	14,208	14,135	13,874	14,135	13,386	13,363	13,366	13,435	Manufacture of dairy products	
9,969	10,041	9,963	9,858	9,963	9,714	9,694	9,678	9,831	Manufacture of condensed, powdered and evaporated milk	
4,034	4,167	4,172	4,017	4,172	3,672	3,668	3,689	3,604	Other industry	
11,202	11,819	11,591	11,538	11,591	11,251	11,421	11,341	11,227	Manufacture of grain mill products, starches and starch products	
5,309	5,715	5,524	5,400	5,524	5,356	5,458	5,421	5,322	Rice milling	
5,005	5,243	5,236	5,223	5,236	4,924	5,037	5,010	4,993	Flour milling	
888	860	831	915	831	972	927	910	912	Other industry	
142,049	146,602	146,141	141,851	146,141	132,511	133,336	132,812	134,023	Manufacture of other food products	
14,578	15,291	15,052	14,889	15,052	14,820	15,050	14,747	14,673	Manufacture of biscuits and cookies	
34,421	35,535	35,131	33,814	35,131	31,580	31,680	31,832	32,306	Manufacture of bread, cakes and other bakery products	
9,671	9,904	9,845	9,620	9,845	8,864	8,896	8,858	8,899	Manufacture of snack products	
1,829	1,810	1,829	1,836	1,829	1,747	1,747	1,760	1,770	Manufacture of sugar	
2,402.9	2,380	2,405	2,644	2,405	2,566	2,593	2,523	2,519	Manufacture of cocoa products	
									Manufacture of chocolate and chocolate products	
8,562	8,665	8,716	8,634	8,716	8,120	7,963	7,925	7,988	Manufacture of sugar confectionery	
13,438	14,959	15,091	13,437	15,091	11,777	11,786	11,881	11,931	Manufacture of sauces and condiments	
18,293	18,994	18,807	18,153	18,807	15,627	15,531	15,474	16,201	Manufacture of other food products n.e.c.	
38,855	39,064	39,266	38,825	39,266	37,410	38,091	37,813	37,736	Other industry	
13,790	13,652	13,914	13,666	13,914	15,602	15,668	15,606	15,128	Manufacture of prepared animal feeds	
17,336	16,952	17,239	16,805	17,239	16,583	16,717	16,770	16,843	Manufacture of beverages	
11,080	10,826	11,025	10,717	11,025	10,617	10,714	10,744	10,810	Manufacture of soft drinks	
4,238	4,176	4,234	4,111	4,234	4,142	4,144	4,197	4,197	Production of natural mineral waters and other bottled waters	
2,018	1,951	1,981	1,976	1,981	1,825	1,858	1,829	1,836	Other industry	
1,251	1,274	1,278	1,259	1,278	1,296	1,443	1,448	1,274	Manufacture of tobacco products	
13,726	13,878	13,753	13,207	13,753	13,197	13,098	13,274	13,214	Spinning, weaving and finishing of textiles	
									Preparation and spinning of textile fibres	
9,611	9,309	9,339	9,168	9,339	8,987	8,901	9,093	9,073	Weaving of textiles	
3,638	4,074	3,928	3,592	3,928	3,752	3,721	3,690	3,676	Dyeing, bleaching, printing and finishing of yarns and fabrics	
478	495	486	447	486	458	476	491	465	Other industry	
14,914	14,920	14,845	15,096	14,845	14,898	14,756	14,841	15,015	Manufacture of other textiles	
5,552	5,483	5,465	5,531	5,465	5,774	5,757	5,619	5,694	Manufacture of knitted and crocheted fabrics	
9,361	9,436	9,380	9,564	9,380	9,123	8,998	9,222	9,321	Other industry	
43,995	43,208	43,092	43,688	43,092	42,847	42,795	42,881	42,964	Manufacture of wearing apparel, except fur apparel	
32,287	31,514	31,431	31,863	31,431	31,403	31,127	31,236	31,164	Manufacture of clothings	
11,708	11,693	11,661	11,825	11,661	11,444	11,668	11,645	11,799	Other industry	
1,095	1,106	1,050	1,093	1,050	1,032	1,068	1,089	1,089	Manufacture of articles of fur, knitted and crocheted apparel	
									Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	
5,579	5,856	5,752	5,808	5,752	5,939	6,023	6,032	5,858		
7,280	7,285	7,415	7,071	7,415	6,924	7,091	6,979	6,959	Manufacture of footwear	
									Manufacture of leather footwear	
3,729	3,682	3,741	3,719	3,741	3,896	3,840	3,760	3,692	Manufacture of rubber footwear	
3,551	3,603	3,674	3,352	3,674	3,028	3,250	3,219	3,268	Other industry	
24,178	24,415	24,600	24,448	24,600	25,720	25,710	25,234	24,749	Sawmilling and planing of wood	

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2024								
		Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
101	Pemprosesan dan pengawetan daging	14,357	14,305	14,080	14,139	14,857	14,918	14,906	14,664	14,832
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	17,338	17,330	17,410	17,136	17,416	17,348	17,206	17,342	17,808
	10201 Pengetinan ikan, krustasea dan moluska									
	&									
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,646	14,566	14,788	14,313	14,554	14,570	14,351	14,485	14,874
	Industri lain	2,692	2,764	2,622	2,823	2,862	2,778	2,855	2,857	2,934
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10,882	10,835	10,731	10,224	10,474	10,474	10,303	10,127	10,503
	10303 Pengetinan nanas									
	&									
	10304 Pembuatan jem, marmalad dan sajian jeli	569	560	578	564	570	572	567	570	546
	Industri lain	10,313	10,275	10,153	9,660	9,904	9,902	9,736	9,557	9,957
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	85,282	85,734	86,716	87,316	89,500	89,940	89,900	89,888	89,773
	10404 Pembuatan minyak sayuran mentah dan bertapis									
	&									
	10406 Pembuatan sebatian lemak masakan	4,118	4,141	4,163	4,424	4,465	4,480	4,474	4,477	4,426
	10405 Pembuatan minyak kelapa	2,558	2,558	2,542	2,582	2,633	2,633	2,623	2,631	2,669
	Industri lain	78,606	79,035	80,011	80,310	82,401	82,827	82,804	82,779	82,678
105	Pembuatan produk tenusu	13,253	13,280	13,366	13,533	13,759	13,774	13,853	13,874	14,023
	10502 Pembuatan susu pekat, tepung dan sejat	9,576	9,560	9,638	9,744	9,830	9,797	9,824	9,858	10,060
	Industri lain	3,677	3,719	3,728	3,788	3,928	3,976	4,029	4,017	3,962
106	Pembuatan produk bijian, kanji dan produk	11,285	11,257	11,238	11,025	11,509	11,502	11,541	11,538	11,615
	10611 Pengilangan beras	5,352	5,301	5,279	5,123	5,390	5,392	5,435	5,400	5,492
	10613 Pengilangan tepung	5,015	5,044	5,033	5,007	5,202	5,207	5,193	5,223	5,226
	Industri lain	918	912	926	895	917	903	912	915	897
107	Pembuatan produk makanan lain	134,287	133,853	135,228	138,077	140,391	141,712	141,605	141,851	143,476
	10711 Pembuatan biskut dan cookies	14,652	14,600	14,639	14,711	14,836	14,783	14,847	14,889	14,944
	10712 Pembuatan roti, kek dan produk bakeri lain	32,179	32,231	33,322	32,948	33,443	33,837	33,795	33,814	34,029
	10713 Pembuatan produk snek	8,970	8,961	8,856	9,083	9,202	9,270	9,453	9,620	9,784
	10721 Pembuatan gula	1,790	1,783	1,785	1,862	1,878	1,885	1,838	1,836	1,839
	10731 Pembuatan produk koko	2,593	2,614	2,617	2,602	2,636	2,658	2,649	2,644	2,653
	10732 Pembuatan coklat dan produk coklat									
	&									
	10733 Pembuatan konfeksi gula	7,978	7,955	8,087	8,511	8,566	8,641	8,711	8,634	8,761
	10793 Pembuatan sos dan bahan perasa	11,855	11,908	11,819	12,519	12,698	12,810	13,505	13,437	13,754
	10799 Pembuatan produk makanan lain t.t.t.l.	16,417	16,158	16,501	17,951	18,537	18,923	17,994	18,153	18,611
	Industri lain	37,854	37,642	37,603	37,889	38,595	38,905	38,813	38,825	39,100
108/ 10800	Pembuatan makanan haiwan tersedia	15,134	15,188	15,039	14,475	14,266	14,143	14,284	13,666	13,905
110	Pembuatan minuman ringan	16,874	16,865	16,952	16,539	16,602	16,689	16,622	16,805	17,041
	11041 Pembuatan minuman ringan	10,823	10,847	10,907	10,568	10,607	10,643	10,633	10,717	10,808
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,209	4,172	4,190	4,096	4,104	4,145	4,097	4,111	4,259
	Industri lain	1,842	1,846	1,856	1,875	1,890	1,901	1,892	1,976	1,974
120/ 12000	Pembuatan produk tembakau	1,266	1,254	1,227	1,167	1,271	1,272	1,264	1,259	1,272
131	Pemintalan, penenunan dan penyiapan tekstil	13,354	13,204	13,025	13,376	13,419	13,371	13,309	13,207	13,152
	13110 Penyediaan dan pemintalan gentian tekstil									
	&									
	13120 Penenunan tekstil	9,103	9,029	9,075	9,310	9,316	9,269	9,264	9,168	9,112
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,761	3,701	3,485	3,580	3,610	3,618	3,602	3,592	3,588
	Industri lain	489	474	465	486	493	484	443	447	453
139	Pembuatan tekstil lain	15,205	15,173	15,115	15,173	15,177	15,148	15,124	15,096	15,312
	13910 Pembuatan fabrik dikait dan dikrusye	5,697	5,657	5,604	5,636	5,593	5,585	5,576	5,531	5,594
	Industri lain	9,508	9,515	9,511	9,537	9,584	9,563	9,548	9,564	9,717
141	Pembuatan pakaian, kecuali pakaian berbulu	43,166	42,985	42,441	41,773	42,139	41,735	43,481	43,688	44,103
	14102 Pembuatan pakaian	31,366	31,154	30,709	30,120	30,424	30,239	31,657	31,863	32,271
	Industri lain	11,800	11,831	11,732	11,654	11,715	11,496	11,824	11,825	11,831
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,093	1,086	1,080	1,107	1,114	1,042	1,102	1,093	1,100
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,873	5,746	5,673	5,750	5,903	5,935	5,891	5,808	5,772
152	Pembuatan kasut	7,039	7,072	7,031	6,915	7,012	7,137	7,099	7,071	7,181
	15201 Pembuatan kasut kulit									
	&									
	15203 Pembuatan kasut getah	3,665	3,667	3,646	3,644	3,659	3,720	3,733	3,719	3,827
	Industri lain	3,374	3,405	3,386	3,271	3,353	3,417	3,365	3,352	3,354
161/ 16100	Pengilangan dan pengetaman kayu	25,144	24,629	24,377	24,802	24,640	24,792	24,924	24,448	24,204

											Group Description/Period
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
14,925	14,966	14,891	14,941	14,548	14,629	14,631	15,288	15,250	15,222	15,265	Processing and preserving of meat
17,743	17,616	17,849	17,864	17,657	17,485	17,199	17,410	17,140	17,155	17,394	Processing and preserving of fish, crustaceans and molluscs
14,747	14,642	14,851	14,874	14,690	14,481	14,025	14,245	14,105	14,014	14,280	Canning of fish, crustaceans and molluscs
2,996	2,974	2,998	2,990	2,967	3,004	3,173	3,165	3,035	3,141	3,114	Processing, curing and preserving of fish, crustacean and molluscs
10,712	10,789	10,740	10,497	10,401	10,171	10,041	9,719	9,640	9,541	9,524	Processing and preserving of fruits and vegetable
601	583	587	563	567	566	554	548	540	541	540	Pineapple canning
10,112	10,206	10,152	9,933	9,834	9,606	9,487	9,172	9,100	9,000	8,984	Manufacture of jams, marmalades and table jellies
89,390	89,298	89,531	89,947	90,516	91,435	91,307	91,201	91,158	91,778	92,217	Manufacture of vegetable and animal oils and fats
4,588	4,604	4,690	4,682	4,666	4,668	4,796	4,772	4,796	4,781	4,782	Manufacture of crude and refined vegetable oil
2,673	2,669	2,669	2,672	2,665	2,672	2,669	2,662	2,666	2,653	2,653	Manufacture of compound cooking fats
82,129	82,025	82,172	82,592	83,184	84,096	83,842	83,767	83,696	84,344	84,782	Manufacture of coconut oil
13,937	14,144	14,160	14,266	14,003	14,033	14,216	14,208	14,158	14,173	14,135	Manufacture of dairy products
9,972	10,197	10,182	10,273	9,969	9,989	10,093	10,041	9,973	9,984	9,963	Manufacture of condensed, powdered and evaporated milk
3,964	3,947	3,978	3,993	4,034	4,044	4,123	4,167	4,185	4,189	4,172	Other industry
11,351	11,325	11,255	11,224	11,202	11,092	11,254	11,819	11,766	11,709	11,591	Manufacture of grain mill products, starches and starch products
5,517	5,438	5,395	5,381	5,309	5,282	5,391	5,715	5,664	5,567	5,524	Rice milling
4,940	4,992	4,977	4,967	5,005	4,918	4,996	5,243	5,264	5,311	5,236	Flour milling
893	895	882	876	888	892	866	860	838	832	831	Other industry
142,916	142,155	143,154	143,362	142,049	143,903	145,642	146,602	147,073	146,711	146,141	Manufacture of other food products
14,786	14,430	14,408	14,575	14,578	15,020	15,159	15,291	15,210	15,171	15,052	Manufacture of biscuits and cookies
34,078	33,618	34,687	34,712	34,421	35,257	35,470	35,535	35,386	35,309	35,131	Manufacture of bread, cakes and other bakery products
9,626	9,581	9,574	9,624	9,671	9,737	9,713	9,904	9,945	9,978	9,845	Manufacture of snack products
1,843	1,829	1,825	1,831	1,829	1,822	1,816	1,810	1,801	1,804	1,829	Manufacture of sugar
2,647	2,569	2,530	2,420	2,403	2,392	2,376	2,380	2,388	2,395	2,405	Manufacture of cocoa products
8,708	8,682	8,613	8,638	8,562	8,652	8,555	8,665	8,744	8,722	8,716	Manufacture of chocolate and chocolate products
13,723	13,873	13,897	13,753	13,438	13,612	14,912	14,959	15,112	15,117	15,091	Manufacture of sugar confectionery
18,669	18,596	18,544	18,562	18,293	18,634	18,605	18,994	18,956	18,867	18,807	Manufacture of sauces and condiments
38,836	38,979	39,074	39,246	38,855	38,776	39,036	39,064	39,529	39,349	39,266	Manufacture of other food products n.e.c.
13,915	13,947	13,963	13,983	13,790	13,759	13,873	13,652	13,783	13,833	13,914	Manufacture of prepared animal feeds
17,045	17,129	17,275	17,289	17,336	17,274	16,922	16,952	17,086	17,043	17,239	Manufacture of beverages
10,787	10,884	10,989	11,000	11,080	11,046	10,761	10,826	10,910	10,888	11,025	Manufacture of soft drinks
4,262	4,247	4,260	4,280	4,238	4,228	4,169	4,176	4,210	4,208	4,234	Production of natural mineral waters and other bottled waters
1,996	1,998	2,026	2,009	2,018	2,001	1,992	1,951	1,966	1,947	1,981	Other industry
1,320	1,331	1,256	1,245	1,251	1,245	1,179	1,274	1,275	1,265	1,278	Manufacture of tobacco products
13,122	13,470	13,587	13,871	13,726	13,822	13,831	13,878	13,731	13,762	13,753	Spinning, weaving and finishing of textiles
9,092	9,433	9,591	9,748	9,611	9,492	9,391	9,309	9,268	9,317	9,339	Preparation and spinning of textile fibres
3,577	3,568	3,527	3,629	3,638	3,869	3,963	4,074	3,977	3,960	3,928	Weaving of textiles
453	469	469	494	478	461	477	495	486	486	486	Dyeing, bleaching, printing and finishing of yarns and fabrics
14,871	14,854	14,866	15,028	14,914	14,725	14,903	14,920	14,929	14,857	14,845	Manufacture of other textiles
5,391	5,407	5,422	5,596	5,552	5,493	5,557	5,483	5,468	5,466	5,465	Manufacture of knitted and crocheted fabrics
9,480	9,447	9,444	9,432	9,361	9,232	9,346	9,436	9,461	9,391	9,380	Other industry
44,189	44,375	44,187	44,384	43,995	43,602	42,641	43,208	42,549	42,804	43,092	Manufacture of wearing apparel, except fur apparel
32,361	32,580	32,374	32,615	32,287	32,059	31,071	31,514	30,938	31,195	31,431	Manufacture of clothings
11,828	11,795	11,813	11,769	11,708	11,543	11,570	11,693	11,610	11,609	11,661	Other industry
1,098	1,099	1,126	1,120	1,095	1,091	1,077	1,106	1,050	1,056	1,050	Manufacture of articles of fur, knitted and crocheted apparel
5,751	5,680	5,665	5,646	5,579	5,615	5,690	5,856	5,851	5,821	5,752	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7,270	7,209	7,186	7,291	7,280	7,210	7,175	7,285	7,370	7,426	7,415	Manufacture of footwear
3,802	3,731	3,687	3,730	3,729	3,667	3,684	3,682	3,726	3,768	3,741	Manufacture of leather footwear
3,467	3,478	3,499	3,560	3,551	3,543	3,492	3,603	3,644	3,658	3,674	Manufacture of rubber footwear
23,918	24,271	24,315	24,708	24,178	23,901	24,645	24,415	24,524	24,631	24,600	Other industry
23,918	24,271	24,315	24,708	24,178	23,901	24,645	24,415	24,524	24,631	24,600	Sawmilling and planning of wood

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023				2024
					Q1	Q2	Q3	Q4	Q1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,943	69,802	70,057	67,728	68,036	68,637	69,802	67,760
16211	Pembuatan kepingan venier dan papan lapis	38,426	39,618	40,672	37,446	37,646	38,723	39,618	37,829
16212	Pembuatan papan partikel dan papan gentian	6,419	6,961	7,176	6,345	6,563	7,116	6,961	7,008
16221	Pertukangan kayu untuk jurubina	10,830	9,650	8,510	10,642	10,645	9,651	9,650	9,627
	Industri lain	13,268	13,573	13,699	13,295	13,181	13,146	13,573	13,296
170	Pembuatan kertas dan produk kertas	58,658	59,265	59,633	59,308	57,626	58,587	59,265	59,848
17010	Pembuatan pulpa, kertas dan kertas tebal	9,259	9,041	9,576	9,332	8,473	8,582	9,041	9,297
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,850	23,505	23,067	23,877	23,353	23,416	23,505	23,403
17091	Pembuatan sampul surat dan kad surat	1,692	1,762	1,717	1,789	1,769	1,777	1,762	1,715
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,818	11,370	11,109	10,723	10,515	11,368	11,370	11,361
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,480	7,480	7,557	7,837	7,792	7,465	7,480	7,856
	Industri lain	5,559	6,107	6,608	5,749	5,724	5,979	6,107	6,215
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,120	71,281	71,820	70,319	68,955	68,928	71,281	68,381
18110	Percetakan	57,286	58,603	58,927	57,476	56,770	56,789	58,603	56,011
18120 &	Aktiviti perkhidmatan berkaitan percetakan	12,834	12,678	12,894	12,843	12,185	12,139	12,678	12,370
18200	Penerbitan semula media rakaman								
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,817	18,473	18,556	18,486	18,149	18,199	18,473	18,821
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	47,560	47,699	50,231	49,475	48,507	47,094	47,699	49,133
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,802	6,330	7,272	6,315	6,155	6,192	6,330	6,818
20112 &	Pembuatan kimia organik asas	19,633	19,255	20,199	20,155	19,696	19,050	19,255	19,676
20113	Pembuatan sebatian bukan organik								
20121 &	Pembuatan baja	7,649	7,201	7,085	8,353	7,982	7,227	7,201	7,397
20129	Pembuatan produk campuran nitrogen	11,413	11,649	12,111	11,428	11,453	11,411	11,649	11,866
20131	Pembuatan plastik dalam bentuk primer	3,063	3,264	3,564	3,226	3,221	3,215	3,264	3,377
	Industri lain								
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,336	55,846	54,191	58,105	55,785	55,364	55,846	56,350
20210	Pembuatan racun perosak dan produk agrokimia lain	4,030	4,587	5,093	4,262	4,151	4,419	4,587	4,643
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,451	9,587	9,564	9,966	9,644	9,412	9,587	10,133
20222	Pembuatan dakwat cetak	5,659	5,924	5,680	5,967	5,983	5,883	5,924	6,068
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	21,711	20,041	19,182	21,322	19,568	19,767	20,041	19,883
20232	Pembuatan pewangi dan penyediaan dandanan diri								
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	16,082	15,435	14,430	16,137	16,006	15,588	15,435	15,334
20292 &	Pembuatan dakwat menulis dan melukis								
20299	Pembuatan produk kimia lain t.t.t.l.	402	273	240	451	433	295	273	288
	Industri lain								
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	27,325	27,967	28,795	26,901	27,916	29,297	27,967	27,334
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	19,310	19,519	20,296	18,765	19,668	20,535	19,519	18,758
	Industri lain	8,015	8,448	8,498	8,136	8,249	8,762	8,448	8,576
221	Pembuatan produk getah	122,297	117,399	114,605	121,509	114,969	118,329	117,399	115,414
22111	Pembuatan tayar getah untuk kenderaan	6,618	6,790	6,537	6,740	7,052	6,731	6,790	6,761
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,289	2,564	2,468	2,340	2,279	2,427	2,564	2,566
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	17,767	18,551	17,566	18,775	19,192	18,619	18,551	18,997
22193	Pengilangan semula getah dan prosesan susu getah								
22192	Pembuatan sarung tangan getah	62,537	56,913	55,571	60,077	55,214	57,500	56,913	54,956
22199	Pembuatan produk getah lain yang t.t.t.l.	33,087	32,581	32,463	33,577	31,231	33,052	32,581	32,134
222	Pembuatan produk plastik	159,013	164,184	167,831	159,633	161,005	163,072	164,184	163,740
22201 &	Pembuatan produk plastik separa siap	37,664	38,248	38,825	37,301	38,558	38,510	38,248	37,765
22202	Pembuatan produk plastik siap								
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,397	53,304	54,379	50,812	51,215	53,151	53,304	53,214
22204	Pembuatan barangan plastik jurubina	3,656	3,666	3,865	3,699	3,690	3,708	3,666	3,699
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,177	14,272	14,407	14,782	14,642	14,638	14,272	14,756
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,120	54,694	56,355	53,040	52,901	53,066	54,694	54,306
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	20,948	20,742	21,793	21,026	21,133	21,102	20,742	21,080

			2023	2024	2023					Group Description/Period
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar.	Apr.		
69,742	69,343	70,057	69,802	70,057	68,848	69,504	67,728	67,540	Manufacture of products of wood, cork, straw and plaiting materials	
39,264	40,119	40,672	39,618	40,672	38,035	38,412	37,446	37,071	Manufacture of veneer sheets and plywood	
7,317	7,236	7,176	6,961	7,176	6,275	6,387	6,345	6,261	Manufacture of particle board and fibreboard	
9,443	8,782	8,510	9,650	8,510	10,966	11,134	10,642	10,772	Manufacture of builders' carpentry	
13,719	13,206	13,699	13,573	13,699	13,572	13,571	13,295	13,435	Other industry	
58,041	58,867	59,633	59,265	59,633	58,843	59,436	59,308	58,624	Manufacture of paper and paper products	
8,753	9,061	9,576	9,041	9,576	9,269	9,407	9,332	9,352	Manufacture of pulp, paper and paperboard	
22,740	23,039	23,067	23,505	23,067	23,728	23,899	23,877	23,294	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	
1,675	1,678	1,717	1,762	1,717	1,745	1,798	1,789	1,760	Manufacture of envelopes and letter-card	
10,882	11,097	11,109	11,370	11,109	10,909	10,821	10,723	10,671	Manufacture of household and personal hygiene paper	
7,854	7,541	7,557	7,480	7,557	7,507	7,821	7,837	7,850	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper	
6,137	6,450	6,608	6,107	6,608	5,686	5,691	5,749	5,696	Other industry	
68,032	69,023	71,820	71,281	71,820	70,262	69,878	70,319	69,596	Printing, service activities related to printing and reproduction of recorded media	
55,417	56,714	58,927	58,603	58,927	57,387	56,975	57,476	57,255	Printing	
12,615	12,309	12,894	12,678	12,894	12,875	12,904	12,843	12,341	Service activities related to printing	
									Reproduction of recorded media	
18,324	18,286	18,556	18,473	18,556	17,783	17,989	18,486	18,239	Manufacture of refined petroleum products	
48,962	49,178	50,231	47,699	50,231	48,311	48,844	49,475	47,928	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms	
6,938	7,043	7,272	6,330	7,272	5,975	5,984	6,315	5,952	Manufacture of liquefied or compressed inorganic industrial or medical gases	
									Manufacture of basic organic chemicals	
19,527	19,761	20,199	19,255	20,199	19,708	19,928	20,155	19,439	Manufacture of inorganic compounds	
									Manufacture of fertilizers	
7,327	7,130	7,085	7,201	7,085	7,916	8,244	8,353	7,938	Manufacture of associated nitrogen products	
11,793	11,811	12,111	11,649	12,111	11,569	11,465	11,428	11,404	Manufacture of plastics in primary forms	
3,377	3,432	3,564	3,264	3,564	3,145	3,224	3,226	3,194	Other industry	
55,669	53,680	54,191	55,846	54,191	57,338	57,121	58,105	56,863	Manufacture of other chemical products and man-made fibres	
4,691	5,005	5,093	4,587	5,093	4,115	4,189	4,262	4,214	Manufacture of pesticides and other agrochemical products	
9,706	9,419	9,564	9,587	9,564	9,842	9,396	9,966	9,650	Manufacture of paints, varnishes and similar coatings ink and mastics	
6,094	5,704	5,680	5,924	5,680	5,739	5,736	5,967	5,971	Manufacture of printing ink	
19,772	19,131	19,182	20,041	19,182	21,059	21,265	21,322	20,555	Manufacture of soap and detergents, cleaning and polishing preparations	
									Manufacture of perfumes and toilet preparations	
									Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials	
15,132	14,181	14,430	15,435	14,430	16,188	16,102	16,137	16,027	Manufacture of writing and drawing ink	
									Manufacture of other chemical products n.e.c.	
273	240	240	273	240	395	434	451	447	Other industry	
28,060	29,377	28,795	27,967	28,795	26,805	26,916	26,901	28,360	Manufacture of pharmaceuticals, medicinal chemical and botanical products	
19,397	20,577	20,296	19,519	20,296	18,672	18,728	18,765	20,391	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments	
8,662	8,801	8,498	8,448	8,498	8,133	8,188	8,136	7,969	Other industry	
110,997	115,321	114,605	117,399	114,605	120,492	120,806	121,509	120,578	Manufacture of rubber products	
6,736	6,586	6,537	6,790	6,537	6,645	6,712	6,740	7,232	Manufacture of rubber tyres for vehicles	
2,490	2,479	2,468	2,564	2,468	2,296	2,357	2,340	2,330	Manufacture of interchangeable tyre treads and retreading rubber tyres	
									Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened	
19,213	17,804	17,566	18,551	17,566	18,150	18,698	18,775	19,171	Rubber remilling and latex processing	
51,979	55,956	55,571	56,913	55,571	59,760	59,343	60,077	58,520	Manufacture of rubber gloves	
30,578	32,496	32,463	32,581	32,463	33,641	33,697	33,577	33,325	Manufacture of other rubber products n.e.c.	
165,999	167,284	167,831	164,184	167,831	159,500	159,940	159,633	161,351	Manufacture of plastics products	
									Manufacture of semi-manufactures of plastic products	
38,681	39,040	38,825	38,248	38,825	37,595	37,674	37,301	38,878	Manufacture of finished plastic products	
53,279	54,387	54,379	53,304	54,379	50,487	51,005	50,812	51,237	Manufacture of plastic articles for the packing of goods	
3,752	3,784	3,865	3,666	3,865	3,703	3,713	3,699	3,680	Manufacture of builders' plastics ware	
14,749	14,397	14,407	14,272	14,407	14,472	14,668	14,782	14,621	Manufacture of plastic tableware, kitchenware and toilet articles	
55,539	55,677	56,355	54,694	56,355	53,244	52,879	53,040	52,935	Manufacture of diverse plastic products n.e.c.	
22,378	22,541	21,793	20,742	21,793	21,005	21,062	21,026	21,032	Manufacture of glass and glass products	

Jadual 1.5a : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh		2024								
			Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain		68,991	68,036	68,079	68,083	68,637	69,247	70,125	69,802	69,268
	16211	Pembuatan kepingan venier dan papan lapis	38,304	37,646	38,239	37,873	38,723	39,065	39,812	39,618	38,924
	16212	Pembuatan papan partikel dan papan gentian	6,553	6,563	6,555	7,458	7,116	7,092	7,005	6,961	6,921
	16221	Pertukangan kayu untuk jurubina	10,752	10,645	10,417	9,814	9,651	9,703	9,701	9,650	9,739
		Industri lain	13,383	13,181	12,868	12,938	13,146	13,386	13,608	13,573	13,684
170	Pembuatan kertas dan produk kertas		57,792	57,626	57,112	57,618	58,587	59,353	59,133	59,265	59,457
	17010	Pembuatan pulpa, kertas dan kertas tebal	8,476	8,473	8,462	8,641	8,582	8,701	8,693	9,041	9,333
	17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,345	23,353	23,039	22,862	23,416	23,682	23,660	23,505	23,312
	17091	Pembuatan sampul surat dan kad surat	1,785	1,769	1,776	1,766	1,777	1,785	1,782	1,762	1,768
	17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,669	10,515	10,347	11,002	11,368	11,526	11,436	11,370	11,397
	17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,795	7,792	7,753	7,519	7,465	7,557	7,496	7,480	7,512
		Industri lain	5,722	5,724	5,735	5,827	5,979	6,103	6,066	6,107	6,134
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman		70,361	68,955	68,890	69,227	68,928	70,157	70,901	71,281	68,570
	18110	Percetakan	58,072	56,770	56,668	56,882	56,789	57,508	58,314	58,603	56,145
	18120 &	Aktiviti perkhidmatan berkaitan percetakan	12,289	12,185	12,222	12,345	12,139	12,648	12,587	12,678	12,424
	18200	Penerbitan semula media rakaman									
192 (19201 & 19202)	Pembuatan produk petroleum bertapis		18,209	18,149	18,202	18,349	18,199	18,408	18,453	18,473	18,245
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer		48,292	48,507	46,679	47,278	47,094	47,911	47,892	47,699	48,215
	20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	6,194	6,155	6,137	6,148	6,192	6,316	6,333	6,330	6,531
	20112 &	Pembuatan kimia organik asas									
	20113	Pembuatan sebatian bukan organik	19,501	19,696	18,836	19,059	19,050	19,429	19,273	19,255	19,246
	20121 &	Pembuatan baja									
	20129	Pembuatan produk campuran nitrogen	7,973	7,982	7,379	7,413	7,227	7,293	7,355	7,201	7,363
	20131	Pembuatan plastik dalam bentuk primer	11,384	11,453	11,248	11,482	11,411	11,580	11,661	11,649	11,738
		Industri lain	3,240	3,221	3,078	3,176	3,215	3,292	3,271	3,264	3,337
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia		56,332	55,785	56,305	56,092	55,364	55,918	56,239	55,846	55,744
	20210	Pembuatan racun perosak dan produk agrokimia lain	4,231	4,151	4,156	4,320	4,419	4,609	4,606	4,587	4,655
	20221	Pembuatan cat, varnis dan penyadur dan mastik	9,670	9,644	9,598	9,563	9,412	9,528	9,557	9,587	9,854
	20222	Pembuatan dakwat cetak	5,975	5,983	6,025	5,962	5,883	5,914	5,932	5,924	5,968
	20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat									
	20232	Pembuatan pewangi dan penyediaan dandanan diri	19,912	19,568	20,034	20,119	19,767	19,969	20,058	20,041	19,489
	20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials									
	20292 &	Pembuatan dakwat menulis dan melukis	16,098	16,006	16,062	15,805	15,588	15,625	15,812	15,435	15,505
	20299	Pembuatan produk kimia lain t.t.t.l.									
		Industri lain	446	433	430	323	295	273	273	273	273
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani		28,019	27,916	28,446	29,157	29,297	29,415	28,071	27,967	27,305
	21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	19,831	19,668	19,899	20,519	20,535	20,611	19,553	19,519	18,859
		Industri lain	8,188	8,249	8,547	8,637	8,762	8,803	8,518	8,448	8,446
221	Pembuatan produk getah		118,693	114,969	115,215	117,851	118,329	118,150	117,668	117,399	116,188
	22111	Pembuatan tayar getah untuk kenderaan	7,218	7,052	7,490	6,723	6,731	6,708	6,814	6,790	6,834
	22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,310	2,279	2,301	2,360	2,427	2,473	2,665	2,564	2,571
	22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan									
	22193	Pengilangan semula getah dan prosesan susu getah	19,237	19,192	19,928	18,948	18,619	18,505	18,449	18,551	18,842
	22192	Pembuatan sarung tangan getah	57,283	55,214	54,281	57,140	57,500	57,279	56,889	56,913	55,205
	22199	Pembuatan produk getah lain yang t.t.t.l.	32,645	31,231	31,215	32,679	33,052	33,184	32,851	32,581	32,736
222	Pembuatan produk plastik		161,657	161,005	164,502	162,784	163,072	163,099	164,385	164,184	164,713
	22201 &	Pembuatan produk plastik separa siap									
	22202	Pembuatan produk plastik siap	39,037	38,558	38,435	38,464	38,510	38,449	38,259	38,248	38,153
	22203	Pembuatan artikel plastik untuk pembungkusan barangan	51,260	51,215	52,383	52,408	53,151	53,247	53,175	53,304	53,552
	22204	Pembuatan barangan plastik jurubina	3,701	3,690	3,675	3,665	3,708	3,728	3,676	3,666	3,729
	22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,704	14,642	14,102	14,978	14,638	14,344	14,283	14,272	14,657
	22209	Pembuatan pelbagai produk plastik t.t.t.l.	52,954	52,901	55,907	53,269	53,066	53,331	54,992	54,694	54,622
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca		21,266	21,133	20,225	21,028	21,102	20,841	20,784	20,742	20,798

											Group Description/Period
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
69,320	67,760	68,578	69,747	69,742	70,073	68,634	69,343	69,794	70,816	70,057	Manufacture of products of wood, cork, straw and plaiting materials
38,998	37,829	38,048	38,937	39,264	39,783	39,326	40,119	40,254	41,213	40,672	Manufacture of veneer sheets and plywood
7,077	7,008	7,012	7,314	7,317	7,247	7,212	7,236	7,276	7,186	7,176	Manufacture of particle board and fibreboard
9,692	9,627	9,597	9,564	9,443	9,432	8,803	8,782	8,725	8,726	8,510	Manufacture of builders' carpentry
13,554	13,296	13,921	13,932	13,719	13,611	13,293	13,206	13,539	13,692	13,699	Other industry
59,910	59,848	59,082	58,102	58,041	57,797	58,093	58,867	59,728	59,564	59,633	Manufacture of paper and paper products
9,357	9,297	9,276	8,772	8,753	8,789	9,065	9,061	9,270	9,229	9,576	Manufacture of pulp, paper and paperboard
23,406	23,403	22,775	22,731	22,740	22,431	22,563	23,039	23,335	23,261	23,067	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,768	1,715	1,686	1,689	1,675	1,684	1,686	1,678	1,689	1,717	1,717	Manufacture of envelopes and letter-card
11,420	11,361	11,332	10,884	10,882	10,703	10,679	11,097	11,253	11,151	11,109	Manufacture of household and personal hygiene paper
7,832	7,856	7,875	7,843	7,854	7,892	7,607	7,541	7,548	7,469	7,557	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
6,127	6,215	6,137	6,182	6,137	6,298	6,492	6,450	6,633	6,737	6,608	Other industry
68,558	68,381	67,899	68,016	68,032	68,063	69,364	69,023	70,855	71,857	71,820	Printing, service activities related to printing and reproduction of recorded media
56,099	56,011	55,475	55,460	55,417	55,378	56,784	56,714	58,114	59,102	58,927	Printing
12,460	12,370	12,423	12,556	12,615	12,686	12,580	12,309	12,741	12,755	12,894	Service activities related to printing
											Reproduction of recorded media
18,511	18,821	18,538	18,340	18,324	18,405	18,459	18,286	18,537	18,614	18,556	Manufacture of refined petroleum products
48,536	49,133	49,523	49,143	48,962	48,889	49,439	49,178	49,911	50,235	50,231	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6,520	6,818	6,829	6,921	6,938	6,966	6,982	7,043	7,079	7,277	7,272	Manufacture of liquefied or compressed inorganic industrial or medical gases
19,452	19,676	19,831	19,624	19,527	19,587	19,840	19,761	20,165	20,135	20,199	Manufacture of basic organic chemicals
7,360	7,397	7,569	7,336	7,327	7,312	7,335	7,130	7,175	7,235	7,085	Manufacture of inorganic compounds
11,855	11,866	11,907	11,882	11,793	11,633	11,844	11,811	11,961	12,070	12,111	Manufacture of fertilizers
3,350	3,377	3,388	3,379	3,377	3,391	3,439	3,432	3,531	3,518	3,564	Manufacture of associated nitrogen products
55,915	56,350	55,798	55,900	55,669	54,842	54,795	53,680	54,027	54,072	54,191	Manufacture of other chemical products and man-made fibres
4,629	4,643	4,672	4,700	4,691	4,683	4,877	5,005	5,099	5,099	5,093	Manufacture of pesticides and other agrochemical products
9,874	10,133	9,749	9,712	9,706	9,601	9,565	9,419	9,421	9,467	9,564	Manufacture of paints, varnishes and similar coatings ink and mastics
5,957	6,068	6,110	6,084	6,094	5,658	5,679	5,704	5,696	5,692	5,680	Manufacture of printing ink
19,756	19,883	19,773	19,937	19,772	19,639	19,758	19,131	19,204	19,218	19,182	Manufacture of soap and detergents, cleaning and polishing preparations
15,419	15,334	15,211	15,187	15,132	14,991	14,661	14,181	14,365	14,356	14,430	Manufacture of perfumes and toilet preparations
280	288	282	280	273	270	255	240	242	239	240	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
27,303	27,334	28,522	28,114	28,060	28,554	29,409	29,377	29,526	28,793	28,795	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,831	18,758	19,871	19,383	19,397	19,739	20,583	20,577	20,622	20,296	20,296	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,472	8,576	8,652	8,730	8,662	8,815	8,826	8,801	8,904	8,496	8,498	Other industry
115,900	115,414	114,288	113,842	110,997	111,326	114,375	115,321	115,258	114,762	114,605	Manufacture of rubber products
6,787	6,761	6,860	6,825	6,736	6,623	6,577	6,586	6,558	6,595	6,537	Manufacture of rubber tyres for vehicles
2,581	2,566	2,554	2,550	2,490	2,515	2,468	2,479	2,525	2,471	2,468	Manufacture of interchangeable tyre treads and retreading rubber tyres
18,961	18,997	19,216	19,132	19,213	19,159	18,060	17,804	17,692	17,596	17,566	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
55,242	54,956	53,407	53,068	51,979	52,129	55,182	55,956	55,653	55,575	55,571	Rubber remilling and latex processing
32,329	32,134	32,251	32,266	30,578	30,899	32,088	32,496	32,831	32,525	32,463	Manufacture of rubber gloves
164,009	163,740	166,306	167,104	165,999	169,568	167,163	167,284	167,656	169,184	167,831	Manufacture of other rubber products n.e.c.
38,275	37,765	39,064	39,436	38,681	38,716	38,939	39,040	38,895	39,045	38,825	Manufacture of plastics products
53,375	53,214	53,721	53,690	53,279	53,356	53,552	54,387	54,824	54,670	54,379	Manufacture of semi-manufactures of plastic products
3,699	3,699	3,744	3,761	3,752	3,715	3,717	3,784	3,814	3,855	3,865	Manufacture of finished plastic products
14,639	14,756	14,733	14,719	14,749	14,794	14,759	14,397	14,434	14,427	14,407	Manufacture of plastic articles for the packing of goods
54,021	54,306	55,045	55,499	55,539	58,987	56,196	55,677	55,688	57,187	56,355	Manufacture of builders' plastics ware
											Manufacture of plastic tableware, kitchenware and toilet articles
											Manufacture of diverse plastic products n.e.c.
20,939	21,080	21,294	22,204	22,378	21,729	22,497	22,541	22,212	21,936	21,793	Manufacture of glass and glass products

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023				2024
					Q1	Q2	Q3	Q4	Q1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,356	88,491	87,598	84,597	86,275	88,467	88,491	84,706
23911 & 23921	Pembuatan mortar refraktori dan konkrit Pembuatan seramik bukan refraktori	10,661	9,801	9,203	9,930	9,940	9,890	9,801	9,010
23930	Pembuatan produk porselin dan seramik lain	5,248	4,467	4,141	4,429	4,517	4,532	4,467	4,364
23941	Pembuatan simen hidrolik	7,303	7,374	7,458	7,152	7,117	7,085	7,374	7,153
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,685	16,934	17,049	15,664	15,793	16,840	16,934	16,016
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	30,016	31,244	29,738	30,811	31,744	31,841	31,244	29,317
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,662	9,737	10,706	8,532	8,805	9,416	9,737	9,690
	Industri lain	7,782	8,934	9,303	8,081	8,360	8,864	8,934	9,157
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,534	57,448	59,399	54,032	54,571	56,411	57,448	57,788
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,642	40,119	38,810	43,283	41,983	40,579	40,119	40,203
243	Pengacuan logam	14,362	14,589	14,962	15,271	14,598	14,907	14,589	15,168
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,158	60,999	62,441	60,572	59,198	59,930	60,999	61,607
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	40,355	42,207	44,351	40,398	39,265	41,170	42,207	42,492
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,447	10,497	9,957	11,540	11,296	10,565	10,497	10,676
	Industri lain	8,357	8,295	8,133	8,633	8,637	8,194	8,295	8,440
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	99,084	104,424	106,738	101,196	99,035	103,148	104,424	105,871
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,151	22,087	22,871	21,696	20,746	22,294	22,087	21,514
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,860	11,612	9,978	13,812	13,007	11,600	11,612	12,241
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,655	8,120	9,196	7,797	7,547	8,223	8,120	8,434
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	19,365	20,973	20,968	19,498	19,500	20,294	20,973	21,381
25994	Pembuatan barangan rumah daripada logam	3,168	3,615	3,719	3,374	3,354	3,383	3,615	3,559
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,427	25,279	26,814	23,789	23,520	24,658	25,279	25,516
	Industri lain	10,458	12,738	13,193	11,228	11,362	12,696	12,738	13,226
261	Pembuatan komponen dan papan elektronik	234,460	238,894	233,680	236,008	242,587	242,230	238,894	230,131
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	127,805	128,999	126,572	127,630	130,000	130,403	128,999	124,881
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	92,370	95,182	92,833	94,113	97,567	96,888	95,182	90,605
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,285	14,712	14,274	14,265	15,021	14,939	14,712	14,644
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	69,667	67,464	72,136	66,793	66,941	66,748	67,464	67,910
263/ 26300	Pembuatan peralatan komunikasi	26,230	26,319	27,447	25,929	26,504	26,052	26,319	26,073
264/ 26400	Pembuatan peralatan elektronik pengguna	35,099	36,292	37,992	34,130	34,337	37,718	36,292	35,649
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,734	31,691	33,196	32,146	32,143	31,578	31,691	32,011
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses perindustrian	24,604	24,642	25,853	24,911	25,311	24,547	24,642	24,815
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,131	7,049	7,343	7,236	6,832	7,031	7,049	7,196
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,120	12,708	12,778	13,055	13,114	12,862	12,708	12,236

			2023	2024	2023						Group Description/Period
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mac	Apr.			
85,089	87,310	87,598	88,491	87,598	86,764	84,734	84,597	85,017	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes		
8,758	8,766	9,203	9,801	9,203	10,126	9,968	9,930	9,889	Manufacture of non-refractory ceramic		
4,290	4,339	4,141	4,467	4,141	5,261	4,449	4,429	4,384	Manufacture of other porcelain and ceramic products		
7,107	7,396.32	7,458	7,374	7,458	7,410	7,413	7,152	7,130	Manufacture of hydraulic cement		
16,317	16,861	17,049	16,934	17,049	16,853	15,890	15,664	15,652	Manufacture of ready-mix and dry-mix concrete and mortars		
									Manufacture of precast concrete, cement or artificial stone articles for use in construction		
29,654	29,910	29,738	31,244	29,738	30,459	30,305	30,811	31,153	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone		
9,621	10,713	10,706	9,737	10,706	8,558	8,621	8,532	8,618	Manufacture of other articles of concrete, cement and plaster n.e.c.		
9,342	9,324	9,303	8,934	9,303	8,097	8,088	8,081	8,189	Manufacture of other non-metallic mineral products n.e.c. Other industry		
57,789	59,261	59,399	57,448	59,399	54,998	53,259	54,032	54,039	Manufacture of basic iron and steel		
39,877	38,905	38,810	40,119	38,810	42,836	43,852	43,283	43,049	Manufacture of basic precious and other non-ferrous metals		
14,518	14,935	14,962	14,589	14,962	14,866	15,369	15,271	14,889	Casting of metals		
61,803	62,170	62,441	60,999	62,441	59,926	60,142	60,572	59,650	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition		
42,637	43,590	44,351	42,207	44,351	40,023	40,175	40,398	39,796	Manufacture of metal doors, windows and their frames, shutters and gates Manufacture of other structural metal products		
10,801	10,249	9,957	10,497	9,957	11,429	11,507	11,540	11,227	Manufacture of tanks, reservoirs and containers of metal		
8,364	8,331	8,133	8,295	8,133	8,474	8,460	8,633	8,626	Other industry		
103,981	106,362	106,738	104,424	106,738	100,149	101,147	101,196	99,821	Manufacture of other fabricated metal products; metal working service activities		
21,169	22,873	22,871	22,087	22,871	22,317	21,794	21,696	21,086	Forging, pressing, stamping and roll-forming of metal; powder metallurgy		
11,264	9,981	9,978	11,612	9,978	12,990	13,420	13,812	13,194	Treatment and coating of metals; machining		
8,385	9,129	9,196	8,120	9,196	7,925	7,926	7,797	7,461	Manufacture of tins and cans for food products, collapsible tubes and boxes		
21,100	21,283	20,968	20,973	20,968	19,603	19,804	19,498	19,600	Manufacture of metal cable, plaited bands and similar articles		
3,309	3,346	3,719	3,615	3,719	3,224	3,222	3,374	3,420	Manufacture of bolts, screws, nuts and similar threaded products		
25,412	26,431	26,814	25,279	26,814	23,533	24,024	23,789	23,792	Manufacture of metal household articles		
13,343	13,320	13,193	12,738	13,193	10,557	10,956	11,228	11,269	Manufacture of any other fabricated metal products n.e.c.		
235,558	234,153	233,680	238,894	233,680	232,601	235,331	236,008	240,519	Other industry		
									Manufacture of electronic components and boards		
126,870	126,335	126,572	128,999	126,572	125,741	127,188	127,630	132,595	Manufacture of diodes, transistors and similar semiconductor devices		
									Manufacture of electronic integrated circuits micro assemblies		
									Manufacture of electrical capacitors and resistors		
93,978	93,391	92,833	95,182	92,833	92,577	93,866	94,113	93,703	Manufacture of printed circuit boards		
									Manufacture of display components		
14,709	14,427	14,274	14,712	14,274	14,283	14,277	14,265	14,221	Manufacture of other components for electronic applications		
69,261	70,506	72,136	67,464	72,136	66,447	66,566	66,793	66,430	Manufacture of computers and peripheral equipment		
26,616	27,355	27,447	26,319	27,447	26,067	25,910	25,929	26,167	Manufacture of communication equipment		
35,906	37,677	37,992	36,292	37,992	34,397	34,161	34,130	33,564	Manufacture of consumer electronics		
33,332	32,949	33,196	31,691	33,196	31,749	32,153	32,146	32,093	Manufacture of measuring, testing, navigating and control equipment; watches and clocks		
26,080	25,495	25,853	24,642	25,853	24,687	25,020	24,911	24,945	Manufacture of measuring, testing, navigating and control equipment		
7,252	7,454	7,343	7,049	7,343	7,062	7,133	7,236	7,148	Manufacture of industrial process control equipment		
									Manufacture of watches and clocks and parts		
12,264	12,643	12,778	12,708	12,778	13,142	13,004	13,055	12,999	Manufacture of irradiation, electromedical and electrotherapeutic equipment		

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh										2024
			Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.		85,642	86,275	87,570	87,684	88,467	88,180	88,875	88,491	86,363
23911 & 23921	Pembuatan mortar refraktori dan konkrit		9,837	9,940	9,711	9,972	9,890	9,748	9,811	9,801	9,260
23930	Pembuatan produk porselin dan seramik lain		4,534	4,517	4,584	4,685	4,532	4,480	4,525	4,467	4,393
23941	Pembuatan simen hidrolik		7,145	7,117	7,381	7,000	7,085	7,074	7,381	7,374	7,443
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering		15,833	15,793	16,281	16,315	16,840	16,709	17,103	16,934	16,968
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan		31,352	31,744	31,840	31,738	31,841	31,686	31,422	31,244	29,282
23959 & 23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
	Pembuatan produk mineral bukan logam lain t.t.t.l.		8,764	8,805	9,307	9,146	9,416	9,664	9,737	9,737	9,843
	Industri lain		8,177	8,360	8,466	8,828	8,864	8,819	8,897	8,934	9,174
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas		54,449	54,571	54,393	55,204	56,411	57,038	57,281	57,448	57,986
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain		42,949	41,983	42,129	40,837	40,579	40,711	40,093	40,119	40,581
243	Pengacuan logam		14,682	14,598	14,579	14,899	14,907	15,056	14,632	14,589	14,965
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru		60,307	59,198	59,123	60,012	59,930	59,600	59,598	60,999	61,110
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam		40,239	39,265	39,519	41,711	41,170	40,883	40,657	42,207	42,022
25120	Pembuatan produk struktur logam lain		11,368	11,296	11,205	10,141	10,565	10,450	10,643	10,497	10,690
	Pembuatan tangki, takungan dan kontena daripada logam		8,700	8,637	8,400	8,159	8,194	8,267	8,299	8,295	8,397
	Industri lain										
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam		99,997	99,035	99,938	101,819	103,148	103,362	103,038	104,424	105,606
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi		21,096	20,746	21,395	22,121	22,294	22,304	22,099	22,087	22,075
25920	Rawatan dan penyalutan logam; menggunakan mesin		13,133	13,007	12,885	11,668	11,600	11,719	11,630	11,612	11,827
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat		7,478	7,547	7,631	8,282	8,223	8,265	8,129	8,120	8,517
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam		19,649	19,500	19,839	19,803	20,294	20,262	20,164	20,973	21,450
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya		3,399	3,354	3,352	3,325	3,383	3,433	3,619	3,615	3,600
25999	Pembuatan barangan rumah daripada logam		23,865	23,520	23,414	24,327	24,658	24,744	24,606	25,279	25,376
	Pembuatan produk lain yang direka daripada logam t.t.t.l.		11,378	11,362	11,421	12,294	12,696	12,636	12,790	12,738	12,762
	Industri lain										
261	Pembuatan komponen dan papan elektronik		242,132	242,587	236,704	239,866	242,230	241,440	239,917	238,894	235,495
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya		130,700	130,000	127,640	130,145	130,403	130,169	129,655	128,999	127,090
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro		96,536	97,567	94,153	94,885	96,888	96,419	95,515	95,182	93,640
26105	Pembuatan kapasitor dan perintang elektrik		14,897	15,021	14,911	14,836	14,939	14,852	14,747	14,712	14,765
26109	Pembuatan papan litar bercetak										
	Pembuatan komponen paparan										
	Pembuatan komponen lain untuk aplikasi elektronik										
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti		67,101	66,941	66,536	65,347	66,748	66,616	67,609	67,464	67,223
263/ 26300	Pembuatan peralatan komunikasi		26,399	26,504	24,800	25,823	26,052	26,415	26,371	26,319	26,117
264/ 26400	Pembuatan peralatan elektronik pengguna		34,215	34,337	33,943	35,963	37,718	37,026	36,514	36,292	35,644
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam		32,335	32,143	31,626	30,844	31,578	31,500	31,655	31,691	31,823
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan		25,343	25,311	24,810	24,097	24,547	24,486	24,599	24,642	24,764
26520	Pembuatan kelengkapan kawalan proses perindustrian		6,991	6,832	6,816	6,747	7,031	7,013	7,056	7,049	7,059
	Pembuatan jam tangan dan jam dan bahagiannya										
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya										
	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik		13,097	13,114	11,988	12,457	12,862	12,773	12,725	12,708	12,273

											Group Description/Period
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
84,916	84,706	85,274	84,968	85,089	86,462	86,714	87,310	87,672	87,890	87,598	Manufacture of non-metallic mineral products n.e.c.
											Manufacture of refractory mortars and concretes
9,087	9,010	8,955	8,736	8,758	8,687	8,666	8,766	9,124	9,217	9,203	Manufacture of non-refractory ceramic
4,317	4,364	4,309	4,295	4,290	4,393	4,506	4,339	4,264	4,203	4,141	Manufacture of other porcelain and ceramic products
7,420	7,153	7,155	7,144	7,107	7,453	7,444	7,396	7,447	7,433	7,458	Manufacture of hydraulic cement
15,943	16,016	16,009	16,180	16,317	16,631	16,631	16,861	16,995	17,029	17,049	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
29,152	29,317	29,871	29,460	29,654	29,628	29,646	29,910	29,912	29,863	29,738	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
9,826	9,690	9,660	9,892	9,621	10,194	10,521	10,713	10,621	10,710	10,706	Manufacture of other non-metallic mineral products n.e.c.
9,171	9,157	9,314	9,263	9,342	9,477	9,301	9,324	9,309	9,435	9,303	Other industry
57,243	57,788	57,698	57,684	57,789	57,545	57,988	59,261	59,210	59,230	59,399	Manufacture of basic iron and steel
40,307	40,203	40,069	39,987	39,877	39,520	39,063	38,905	38,737	38,672	38,810	Manufacture of basic precious and other non-ferrous metals
15,266	15,168	15,143	15,031	14,518	15,110	14,842	14,935	15,124	15,027	14,962	Casting of metals
60,874	61,607	61,490	61,185	61,803	61,788	62,466	62,170	62,012	61,028	62,441	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
41,860	42,492	42,482	41,995	42,637	42,574	44,220	43,590	43,783	42,859	44,351	Manufacture of other structural metal products
10,717	10,676	10,702	10,805	10,801	10,830	9,784	10,249	10,059	10,031	9,957	Manufacture of tanks, reservoirs and containers of metal
8,297	8,440	8,306	8,385	8,364	8,385	8,461	8,331	8,170	8,138	8,133	Other industry
105,475	105,871	105,095	105,356	103,981	104,485	106,778	106,362	105,783	105,541	106,738	Manufacture of other fabricated metal products; metal working service activities
											Forging, pressing, stamping and roll-forming of metal; powder metallurgy
21,429	21,514	21,480	21,533	21,169	21,836	22,644	22,873	22,714	22,477	22,871	Treatment and coating of metals; machining
11,836	12,241	11,687	11,536	11,264	11,120	10,059	9,981	9,846	9,858	9,978	Manufacture of tins and cans for food products, collapsible tubes and boxes
8,362	8,434	8,367	8,408	8,385	8,500	9,275	9,129	9,276	9,172	9,196	Manufacture of metal cable, plaited bands and similar articles
											Manufacture of bolts, screws, nuts and similar threaded products
21,472	21,381	21,310	21,337	21,100	20,722	21,494	21,283	21,048	21,058	20,968	
3,604	3,559	3,525	3,525	3,309	3,291	3,283	3,346	3,397	3,720	3,719	Manufacture of metal household articles
25,452	25,516	25,654	25,800	25,412	25,443	26,484	26,431	26,191	26,050	26,814	Manufacture of any other fabricated metal products n.e.c.
13,320	13,226	13,072	13,216	13,343	13,573	13,539	13,320	13,312	13,207	13,193	Other industry
231,534	230,131	232,987	234,698	235,558	227,849	226,910	234,153	235,253	234,726	233,680	Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
125,267	124,881	126,875	126,954	126,870	122,340	120,744	126,335	126,803	126,374	126,572	Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
91,486	90,605	91,549	93,158	93,978	90,764	91,642	93,391	94,057	93,998	92,833	Manufacture of printed circuit boards
											Manufacture of display components
14,781	14,644	14,563	14,587	14,709	14,744	14,524	14,427	14,392	14,354	14,274	Manufacture of other components for electronic applications
67,423	67,910	67,698	68,606	69,261	68,949	70,250	70,506	71,060	71,993	72,136	Manufacture of computers and peripheral equipment
25,981	26,073	26,365	26,655	26,616	26,228	27,322	27,355	27,547	27,650	27,447	Manufacture of communication equipment
35,535	35,649	35,077	35,941	35,906	36,048	35,823	37,677	37,418	39,362	37,992	Manufacture of consumer electronics
31,940	32,011	32,052	32,589	33,332	32,463	31,941	32,949	33,281	33,287	33,196	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
24,865	24,815	24,941	25,412	26,080	25,212	24,764	25,495	25,902	25,908	25,853	Manufacture of industrial process control equipment
7,076	7,196	7,111	7,177	7,252	7,251	7,177	7,454	7,380	7,379	7,343	Manufacture of watches and clocks and parts
12,234	12,236	12,194	12,228	12,264	11,713	12,231	12,643	12,718	12,748	12,778	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023				2024
					Q1	Q2	Q3	Q4	Q1
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,818	5,915	5,497	5,980	5,853	6,236	5,915	5,855
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,502	43,800	44,383	44,617	43,394	44,787	43,800	43,055
	27101 Pembuatan motor elektrik, penjana dan transformer	18,608	18,737	18,922	18,928	18,215	19,102	18,737	18,827
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,894	25,064	25,460	25,689	25,179	25,685	25,064	24,229
272/ 27200	Pembuatan bateri dan akumulator	8,687	8,671	8,321	8,624	8,589	8,939	8,671	8,775
273	Pembuatan pendawaian dan peranti pendawaian	24,074	23,530	24,520	24,299	23,545	24,010	23,530	23,981
	27310 Pembuatan kabel gentian optikal	926	969	1,029	949	975	962	969	968
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,825	20,980	21,902	21,892	21,073	21,463	20,980	21,442
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,323	1,581	1,590	1,459	1,496	1,585	1,581	1,571
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,656	3,934	4,115	3,624	3,555	3,908	3,934	4,007
275/ 27500	Pembuatan perkakasan domestik	14,844	14,766	13,735	15,597	15,738	15,024	14,766	15,468
279/ 27900	Pembuatan kelengkapan elektrik lain	7,818	7,709	7,919	7,873	7,726	7,785	7,709	7,630
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,289	93,994	95,294	97,105	98,507	95,536	93,994	94,976
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	7,548	6,346	5,407	7,916	7,978	7,314	6,346	5,958
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,093	22,759	23,013	22,879	23,370	22,743	22,759	22,920
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,104	8,842	8,679	10,320	9,918	9,058	8,842	9,010
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,303	8,427	8,710	9,516	9,741	8,443	8,427	8,529
		47,242	47,621	49,485	46,473	47,499	47,977	47,621	48,558
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,340	25,665	25,223	24,538	24,742	25,777	25,665	24,734
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,336	8,712	9,114	7,572	7,608	8,612	8,712	8,387
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,158	53,237	53,458	54,927	54,735	53,178	53,237	51,853
301 (30110 & 30120)	Pembinaan kapal dan bot	13,936	15,257	15,041	14,201	14,379	15,054	15,257	15,150
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,491	29,049	29,938	30,053	29,372	28,999	29,049	29,451
	30910 Pembuatan motosikal	11,782	12,956	13,901	12,510	11,955	12,904	12,956	13,186
	30920 Pembuatan basikal dan <i>invalid carriages</i>	3,464	1,579	1,707	3,241	3,048	1,749	1,579	1,485
	Industri lain	14,244	14,514	14,330	14,302	14,368	14,346	14,514	14,780
310	Pembuatan perabot	77,294	81,979	83,470	79,337	80,585	81,400	81,979	83,395
	31001 Pembuatan perabot kayu dan rotan	59,201	62,863	64,306	60,595	61,797	62,840	62,863	63,535
	Industri lain	18,092	19,116	19,163	18,742	18,787	18,561	19,116	19,861
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,577	5,665	4,813	6,107	5,818	5,597	5,665	5,726
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,237	28,203	29,262	27,190	27,092	28,430	28,203	28,288
	32901 Pembuatan alat tulis	6,191	6,097	6,181	6,062	5,971	6,269	6,097	5,999
	Industri lain	21,046	22,107	23,081	21,129	21,121	22,162	22,107	22,289
323/ 32300	Pembuatan barangan sukan	2,723	2,108	1,931	2,585	2,583	2,149	2,108	2,351
324/ 32400	Pembuatan permainan dan mainan	5,251	4,999	4,998	5,052	4,999	5,026	4,999	4,963
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	42,314	43,843	43,938	43,583	43,593	43,616	43,843	44,429
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,891	7,256	7,227	7,280	7,339	7,324	7,256	7,560
	Industri lain	35,423	36,587	36,711	36,302	36,254	36,292	36,587	36,869
Jumlah Pembuatan		2,335,435	2,374,557	2,398,863	2,351,269	2,345,574	2,372,752	2,374,557	2,363,344

			2023	2024	2023					Group Description/Period
Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	Jan.	Feb.	Mar	Apr.		
5,740	5,570	5,497	5,915	5,497	6,019	5,956	5,980	5,891	Manufacture of optical instruments, photographic equipment, magnetic and optical media	
42,848	44,686	44,383	43,800	44,383	44,702	44,495	44,617	43,615	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	
18,933	19,612	18,922	18,737	18,922	19,030	18,915	18,928	18,370	Manufacture of electric motors, generators and transformers	
23,915	25,074	25,460	25,064	25,460	25,672	25,580	25,689	25,245	Manufacture of electricity distribution and control apparatus	
8,692	8,475	8,321	8,671	8,321	8,689	8,630	8,624	8,538	Manufacture of batteries and accumulators	
23,726	24,056	24,520	23,530	24,520	23,949	24,428	24,299	24,434	Manufacture of wiring and wiring devices	
1,024	1,000	1,029	969	1,029	936	941	949	961	Manufacture of fibre optic cables	
21,105	21,431	21,902	20,980	21,902	21,586	22,060	21,892	21,973	Manufacture of other electronic and electric wires and cables	
1,597	1,626	1,590	1,581	1,590	1,427	1,427	1,459	1,501	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material	
4,013	4,079	4,115	3,934	4,115	3,601	3,521	3,624	3,528	Manufacture of electric lighting equipment	
15,175	13,892	13,735	14,766	13,735	14,901	14,932	15,597	15,371	Manufacture of domestic appliances	
7,587	7,752	7,919	7,709	7,919	7,905	7,882	7,873	7,782	Manufacture of other electrical equipment	
96,215	95,747	95,294	93,994	95,294	96,996	98,086	97,105	97,395	Manufacture of general-purpose and special-purpose machinery	
5,873	5,807	5,407	6,346	5,407	7,902	7,976	7,916	7,874	Manufacture of fluid power equipmen	
23,750	22,811	23,013	22,759	23,013	22,213	22,593	22,879	22,934	Manufacture of other pumps, compressors, taps and valves	
8,691	8,631	8,679	8,842	8,679	10,379	10,517	10,320	10,248	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives	
8,573	8,588	8,710	8,427	8,710	9,397	9,530	9,516	9,637	Manufacture of metal-forming machinery and machine tools	
49,329	49,910	49,485	47,621	49,485	47,104	47,471	46,473	46,702	Manufacture of air-conditioning machines, including for motor vehicles	
24,577	25,268	25,223	25,665	25,223	25,254	24,684	24,538	24,501	Manufacture of other special-purpose machinery n.e.c.	
8,169	9,168	9,114	8,712	9,114	7,361	7,676	7,572	7,590	Other industry	
54,479	53,321	53,458	53,237	53,458	54,385	54,728	54,927	54,833	Manufacture of motor vehicles	
14,917	14,779	15,041	15,257	15,041	14,356	14,389	14,201	14,031	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	
29,677	30,152	29,938	29,049	29,938	29,937	29,923	30,053	29,681	Manufacture of parts and accessories for motor vehicles	
13,109	13,747	13,901	12,956	13,901	12,113	12,233	12,510	12,163	Building of ships and boats	
1,617	1,673	1,707	1,579	1,707	3,349	3,280	3,241	3,227	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c	
14,951	14,732	14,330	14,514	14,330	14,475	14,411	14,302	14,290	Manufacture of motorcycles	
83,335	83,263	83,470	81,979	83,470	79,024	79,053	79,337	80,462	Manufacture of bicycles and invalid carriages	
63,632	63,849	64,306	62,863	64,306	60,332	60,239	60,595	61,799	Other industry	
19,703	19,415	19,163	19,116	19,163	18,692	18,815	18,742	18,664	Manufacture of furniture	
5,462	5,162	4,813	5,665	4,813	5,981	6,112	6,107	6,014	Manufacture of wooden and cane furniture	
28,153	29,219	29,262	28,203	29,262	27,159	27,107	27,190	26,890	Other industry	
5,863	6,226	6,181	6,097	6,181	6,215	6,079	6,062	6,057	Manufacture of jewellery, bijouterie and related articles	
22,291	22,993	23,081	22,107	23,081	20,944	21,028	21,129	20,833	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.	
2,382	1,978	1,931	2,108	1,931	2,646	2,547	2,585	2,576	Manufacture of stationery	
4,975	4,918	4,998	4,999	4,998	5,130	5,127	5,052	5,024	Other industry	
43,757	43,700	43,938	43,843	43,938	43,460	43,478	43,583	43,684	Manufacture of sports goods	
7,478	7,331	7,227	7,256	7,227	7,422	7,409	7,280	7,434	Manufacture of games and toys	
36,278	36,369	36,711	36,587	36,711	36,037	36,069	36,302	36,251	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment	
2,369,595	2,391,104	2,398,863	2,374,557	2,398,863	2,341,951	2,349,967	2,351,269	2,349,159	Repair and maintenance of transport equipment except motorcycles and bicycles	
									Other industry	

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Table **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2024								
		Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,916	5,853	5,800	6,165	6,236	6,186	5,937	5,915	5,678
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	43,288	43,394	44,057	44,811	44,787	44,515	44,123	43,800	43,821
	27101 Pembuatan motor elektrik, penjana dan transformer	18,325	18,215	18,430	18,952	19,102	18,989	18,799	18,737	18,722
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	24,962	25,179	25,627	25,859	25,685	25,525	25,325	25,064	25,099
272/ 27200	Pembuatan bateri dan akumulator	8,587	8,589	8,534	8,674	8,939	8,998	8,653	8,671	8,677
273	Pembuatan pendawaian dan peranti pendawaian	23,557	23,545	23,357	23,815	24,010	23,909	23,779	23,530	23,984
	27310 Pembuatan kabel gentian optikal	974	975	960	955	962	988	992	969	969
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,087	21,073	20,962	21,334	21,463	21,330	21,211	20,980	21,421
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,496	1,496	1,435	1,526	1,585	1,590	1,576	1,581	1,594
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,501	3,555	3,684	3,858	3,908	3,927	3,900	3,934	3,976
275/ 27500	Pembuatan perkakasan domestik	15,888	15,738	15,447	15,692	15,024	14,961	14,881	14,766	14,858
279/ 27900	Pembuatan kelengkapan elektrik lain	7,741	7,726	7,800	7,964	7,785	7,739	7,676	7,709	7,734
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,815	98,507	96,005	96,046	95,536	95,332	95,471	93,994	94,750
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	7,856	7,978	7,893	7,373	7,314	7,378	7,334	6,346	5,997
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,787	23,370	22,959	22,665	22,743	22,710	22,769	22,759	23,198
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,980	9,918	8,977	8,938	9,058	8,974	8,896	8,842	9,034
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,689	9,741	9,791	8,673	8,443	8,445	8,418	8,427	8,450
		46,503	47,499	46,385	48,397	47,977	47,825	48,053	47,621	48,070
291 (29101 & 29102)	Pembuatan kenderaan bermotor	24,840	24,742	25,324	25,689	25,777	25,917	25,904	25,665	25,698
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,595	7,608	7,726	8,581	8,612	8,662	8,618	8,712	8,550
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	55,002	54,735	54,809	53,205	53,178	53,183	53,069	53,237	53,768
301 (30110 & 30120)	Pembinaan kapal dan bot	14,262	14,379	14,709	14,826	15,054	14,933	15,177	15,257	15,401
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,565	29,372	29,691	28,994	28,999	29,105	28,979	29,049	29,327
	30910 Pembuatan motosikal	11,853	11,955	12,748	12,489	12,904	13,083	13,033	12,956	12,902
	30920 Pembuatan basikal dan <i>invalid carriages</i>	3,146	3,048	2,633	1,969	1,749	1,634	1,584	1,579	1,543
	Industri lain	14,566	14,368	14,309	14,536	14,346	14,388	14,362	14,514	14,882
310	Pembuatan perabot	80,682	80,585	80,271	80,892	81,400	82,545	81,929	81,979	82,638
	31001 Pembuatan perabot kayu dan rotan	61,915	61,797	61,612	62,751	62,840	63,551	62,918	62,863	62,863
	Industri lain	18,767	18,787	18,659	18,141	18,561	18,994	19,011	19,116	19,775
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	6,041	5,818	5,567	5,485	5,597	5,620	5,669	5,665	5,692
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,073	27,092	28,373	28,404	28,430	28,497	28,454	28,203	28,053
	32901 Pembuatan alat tulis	6,077	5,971	6,038	6,239	6,269	6,257	6,115	6,097	5,979
	Industri lain	20,996	21,121	22,335	22,165	22,162	22,240	22,339	22,107	22,074
323/ 32300	Pembuatan barangan sukan	2,580	2,583	2,581	2,172	2,149	2,124	2,172	2,108	2,156
324/ 32400	Pembuatan permainan dan mainan	5,044	4,999	4,549	5,005	5,026	5,095	5,022	4,999	4,933
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	44,026	43,593	44,126	44,084	43,616	43,845	43,599	43,843	44,459
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,286	7,339	7,271	7,395	7,324	7,183	7,245	7,256	7,476
	Industri lain	36,740	36,254	36,855	36,689	36,292	36,662	36,354	36,587	36,983
Jumlah Pembuatan		2,355,748	2,345,574	2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557	2,372,913

											Group Description/Period
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
5,718	5,855	5,930	5,794	5,740	5,603	5,523	5,570	5,523	5,511	5,497	Manufacture of optical instruments, photographic equipment, magnetic and optical media
43,094	43,055	42,930	43,210	42,848	44,533	44,840	44,686	45,552	44,459	44,383	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
18,703	18,827	18,875	19,029	18,933	19,092	19,643	19,612	19,480	18,997	18,922	Manufacture of electric motors, generators and transformers
24,390	24,229	24,055	24,181	23,915	25,441	25,197	25,074	26,072	25,461	25,460	Manufacture of electricity distribution and control apparatus
8,792	8,775	8,756	8,793	8,692	8,581	8,622	8,475	8,458	8,421	8,321	Manufacture of batteries and accumulators
23,927	23,981	23,986	23,985	23,726	23,515	23,985	24,056	24,596	24,559	24,520	Manufacture of wiring and wiring devices
965	968	989	1,003	1,024	1,005	997	1,000	1,023	1,028	1,029	Manufacture of fibre optic cables
21,374	21,442	21,414	21,400	21,105	20,980	21,356	21,431	21,947	21,966	21,902	Manufacture of other electronic and electric wires and cables
1,588	1,571	1,582	1,582	1,597	1,530	1,632	1,626	1,626	1,565	1,590	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,872	4,007	3,901	3,938	4,013	4,098	4,076	4,079	4,121	4,124	4,115	Manufacture of electric lighting equipment
14,697	15,468	15,379	15,364	15,175	14,856	14,582	13,892	13,852	13,739	13,735	Manufacture of domestic appliances
7,657	7,630	7,607	7,617	7,587	7,544	7,739	7,752	7,784	7,880	7,919	Manufacture of other electrical equipment
95,978	94,976	95,061	94,429	96,215	96,394	96,165	95,747	95,906	96,215	95,294	Manufacture of general-purpose and special-purpose machinery
5,992	5,958	5,974	5,995	5,873	5,911	5,915	5,807	5,885	5,834	5,407	Manufacture of fluid power equipment
											Manufacture of other pumps, compressors, taps and valves
23,887	22,920	23,014	22,891	23,750	23,517	23,150	22,811	22,984	23,271	23,013	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
											Manufacture of metal-forming machinery and machine tools
9,039	9,010	9,222	8,700	8,691	8,579	8,498	8,631	8,660	8,654	8,679	Manufacture of air-conditioning machines, including for motor vehicles
8,489	8,529	8,479	8,536	8,573	8,604	8,457	8,588	8,671	8,698	8,710	Manufacture of other special-purpose machinery n.e.c.
48,571	48,558	48,373	48,307	49,329	49,783	50,146	49,910	49,706	49,758	49,485	Other industry
25,619	24,734	24,755	24,536	24,577	25,052	25,521	25,268	25,835	25,779	25,223	Manufacture of motor vehicles
8,469	8,387	8,356	8,367	8,169	8,274	9,191	9,168	8,966	9,013	9,114	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
53,222	51,853	55,315	54,799	54,479	54,802	53,486	53,321	53,789	53,205	53,458	Manufacture of parts and accessories for motor vehicles
15,387	15,150	14,962	14,919	14,917	14,824	14,744	14,779	14,654	14,614	15,041	Building of ships and boats
29,205	29,451	29,490	29,735	29,677	30,508	29,643	30,152	29,768	30,087	29,938	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
12,857	13,186	13,207	13,124	13,109	14,035	13,241	13,747	13,546	13,868	13,901	Manufacture of motorcycles
1,512	1,485	1,486	1,561	1,617	1,646	1,669	1,673	1,693	1,711	1,707	Manufacture of bicycles and invalid carriages
14,837	14,780	14,798	15,050	14,951	14,827	14,733	14,732	14,529	14,509	14,330	Other industry
83,028	83,395	85,027	84,819	83,335	82,533	83,277	83,263	84,130	83,248	83,470	Manufacture of furniture
63,139	63,535	65,077	65,036	63,632	62,790	63,894	63,849	64,627	63,956	64,306	Manufacture of wooden and cane furniture
19,889	19,861	19,951	19,783	19,703	19,743	19,384	19,415	19,503	19,292	19,163	Other industry
5,546	5,726	5,618	5,685	5,462	5,211	5,226	5,162	5,225	5,225	4,813	Manufacture of jewellery, bijouterie and related articles
28,306	28,288	28,061	28,063	28,153	29,104	29,112	29,219	29,286	29,317	29,262	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,015	5,999	6,032	5,838	5,863	5,948	6,190	6,226	6,161	6,169	6,181	Manufacture of stationery
22,291	22,289	22,030	22,226	22,291	23,156	22,922	22,993	23,125	23,148	23,081	Other industry
2,162	2,351	2,402	2,419	2,382	2,395	2,000	1,978	1,953	1,942	1,931	Manufacture of sports goods
4,967	4,963	4,935	4,963	4,975	4,994	4,986	4,918	5,019	5,028	4,998	Manufacture of games and toys
44,254	44,429	44,148	44,174	43,757	44,231	44,565	43,700	44,001	43,697	43,938	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,516	7,560	7,589	7,434	7,478	7,530	7,547	7,331	7,188	7,220	7,227	Repair and maintenance of transport equipment except motorcycles and bicycles
36,739	36,869	36,559	36,740	36,278	36,701	37,018	36,369	36,813	36,477	36,711	Other industry
2,365,000	2,363,344	2,372,596	2,377,714	2,369,595	2,369,452	2,378,065	2,391,104	2,400,072	2,401,839	2,398,863	Total Manufacturing

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	4.9	7.8	4.1	6.3	9.5	10.3
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.3	3.5	0.3	9.1	6.0	5.3
	10201 Pengetinan ikan, krustasea dan moluska						
	&	6.4	2.2	-1.4	9.5	6.3	4.8
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska						
	Industri lain	-0.4	10.7	9.0	6.7	4.6	7.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-2.1	1.7	-5.9	2.2	6.0	4.0
	10303 Pengetinan nanas						
	&	12.4	-8.1	-5.2	17.0	5.4	7.4
	10304 Pembuatan jem, marmalad dan sajian jeli						
	Industri lain	-3.0	2.3	-6.0	1.5	6.1	3.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.0	6.7	2.6	6.9	7.0	8.9
	10404 Pembuatan minyak sayuran mentah dan bertapis						
	&	5.7	10.5	6.8	9.9	8.3	16.3
	10406 Pembuatan sebatian lemak masakan						
	10405 Pembuatan minyak kelapa	4.9	3.5	0.8	3.5	1.3	3.7
	Industri lain	6.0	6.6	2.4	6.9	7.2	8.7
105	Pembuatan produk tenusu	1.1	4.2	1.9	2.5	-0.1	4.4
	10502 Pembuatan susu pekat, tepung dan sejat						
	Industri lain	-1.1	1.9	1.1	1.3	-0.9	3.2
		7.3	10.1	3.9	5.9	2.0	7.7
106	Pembuatan produk bijian, kanji dan produk berkanji	3.6	3.0	0.5	4.3	4.3	4.1
	10611 Pengilangan beras	9.5	1.8	2.3	8.5	6.8	2.9
	10613 Pengilangan tepung	0.7	6.1	0.2	2.8	4.1	7.7
	Industri lain	-9.5	-5.5	-9.2	-9.4	-7.6	-6.7
107	Pembuatan produk makanan lain	5.6	8.9	3.0	4.6	5.7	9.8
	10711 Pembuatan biskut dan cookies	1.0	2.8	1.1	2.1	0.6	1.6
	10712 Pembuatan roti, kek dan produk bakeri lain	3.5	8.0	3.9	8.7	9.6	11.5
	10713 Pembuatan produk snek	5.0	8.8	2.3	5.3	4.9	7.9
	10721 Pembuatan gula	-1.2	5.3	-0.4	-0.5	2.7	7.2
	10731 Pembuatan produk koko	-0.5	3.2	-9.1	-2.2	1.1	-0.5
	10732 Pembuatan coklat dan produk coklat						
	&	-2.1	9.8	1.0	-0.1	-1.7	3.7
	10733 Pembuatan konfeksi gula						
	10793 Pembuatan sos dan bahan perasa	15.5	16.4	12.3	10.0	8.8	17.7
	10799 Pembuatan produk makanan lain t.t.t.l.	10.7	20.0	3.6	-7.4	4.0	16.9
	Industri lain	7.3	5.6	1.1	7.9	6.7	8.8
108/ 10800	Pembuatan makanan haiwan tersedia	4.6	-12.2	1.8	5.3	-1.8	-7.6
110	Pembuatan minuman ringan	2.6	2.6	2.6	2.9	3.8	2.8
	11041 Pembuatan minuman ringan	3.1	0.9	2.9	1.7	2.7	0.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan						
	Industri lain	-1.8	4.8	3.0	4.9	4.8	5.5
		10.6	8.1	0.2	5.2	8.2	8.7
120/ 12000	Pembuatan produk tembakau	2.8	2.2	1.5	2.4	7.1	6.1
131	Pemintalan, penenunan dan penyiapan tekstil	-1.8	1.2	4.1	0.5	2.8	2.6
	13110 Penyediaan dan pemintalan gentian tekstil						
	&	-3.6	3.2	1.9	1.2	4.2	6.6
	13120 Penenunan tekstil						
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-4.5	9.4	-1.6	-0.8	-7.2
	Industri lain	-5.0	8.6	8.7	3.7	6.9	7.5
139	Pembuatan tekstil lain	2.5	1.9	-1.7	3.2	2.4	2.5
	13910 Pembuatan fabrik dikait dan dikrusye	-1.9	-4.5	-1.2	-4.8	-5.1	-6.1
	Industri lain	5.6	6.0	-1.9	8.8	7.4	8.2
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	2.6	-1.4	1.8	3.1	3.0
	14102 Pembuatan pakaian	2.9	2.6	-1.4	3.2	2.8	2.3
	Industri lain	1.9	2.6	-1.4	-1.9	4.0	4.9
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.6	8.5	-3.9	6.7	5.4	10.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-4.4	-0.6	-1.0	-0.3	0.8	1.2
152	Pembuatan kasut	8.8	5.3	4.9	9.9	7.6	5.7
	15201 Pembuatan kasut kulit						
	&	10.3	-0.8	0.6	7.4	1.4	-0.02
	15203 Pembuatan kasut getah						
	Industri lain	6.9	12.9	9.6	13.0	15.2	12.8
161/ 16100	Pengilangan dan pengetaman kayu	-1.9	-2.6	0.6	-1.7	-2.4	-3.6

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
7.8	8.1	1.7	2.9	4.1	7.8	4.1	Processing and preserving of meat
3.5	1.3	1.9	-0.03	0.3	3.5	0.3	Processing and preserving of fish, crustaceans and molluscs
2.2	-0.5	0.9	-2.1	-1.4	2.2	-1.4	Canning of fish, crustaceans and molluscs
10.7	11.3	7.3	10.6	9.0	10.7	9.0	Processing, curing and preserving of fish, crustacean and molluscs
1.7	2.4	-4.0	-7.2	-5.9	1.7	-5.9	Processing and preserving of fruits and vegetable
-8.1	2.7	1.2	-3.9	-5.2	-8.1	-5.2	Pineapple canning
2.3	2.4	-4.3	-7.4	-6.0	2.3	-6.0	Manufacture of jams, marmalades and table jellies
6.7	4.5	5.6	1.9	2.6	6.7	2.6	Manufacture of vegetable and animal oils and fats
10.5	11.6	12.7	6.9	6.8	10.5	6.8	Manufacture of crude and refined vegetable oil
3.5	4.4	4.2	1.1	0.8	3.5	0.8	Manufacture of compound cooking fats
6.6	4.1	5.3	1.7	2.4	6.6	2.4	Manufacture of coconut oil
4.2	5.8	5.4	3.3	1.9	4.2	1.9	Manufacture of dairy products
1.9	5.4	4.3	2.1	1.1	1.9	1.1	Manufacture of condensed, powdered and evaporated milk
10.1	7.0	8.5	6.1	3.9	10.1	3.9	Other industry
3.0	-0.1	-0.5	2.7	0.5	3.0	0.5	Manufacture of grain mill products, starches and starch products
1.8	0.3	0.1	6.0	2.3	1.8	2.3	Rice milling
6.1	-0.4	-0.8	0.8	0.2	6.1	0.2	Flour milling
-5.5	-1.6	-2.6	-6.2	-9.2	-5.5	-9.2	Other industry
8.9	7.0	6.1	4.4	3.0	8.9	3.0	Manufacture of other food products
2.8	-2.2	-0.1	3.1	1.1	2.8	1.1	Manufacture of biscuits and cookies
8.0	5.6	6.8	6.3	3.9	8.0	3.9	Manufacture of bread, cakes and other bakery products
8.8	8.2	7.9	7.6	2.3	8.8	2.3	Manufacture of snack products
5.3	3.9	2.5	-3.6	-0.4	5.3	-0.4	Manufacture of sugar
3.2	1.8	-8.1	-9.7	-9.1	3.2	-9.1	Manufacture of cocoa products
9.8	9.5	7.6	1.2	1.0	9.8	1.0	Manufacture of chocolate and chocolate products
16.4	16.8	12.8	17.8	12.3	16.4	12.3	Manufacture of sugar confectionery
20.0	20.2	13.2	2.5	3.6	20.0	3.6	Manufacture of sauces and condiments
5.6	3.1	3.2	1.2	1.1	5.6	1.1	Manufacture of other food products n.e.c.
-12.2	-10.6	-9.2	-4.3	1.8	-12.2	1.8	Manufacture of prepared animal feeds
2.6	2.1	2.8	2.1	2.6	2.6	2.6	Manufacture of beverages
0.9	1.3	2.1	2.1	2.9	0.9	2.9	Manufacture of soft drinks
4.8	1.2	1.6	1.7	3.0	4.8	3.0	Production of natural mineral waters and other bottled waters
8.1	9.3	9.3	3.2	0.2	8.1	0.2	Other industry
2.2	-8.0	-0.2	0.3	1.5	2.2	1.5	Manufacture of tobacco products
1.2	1.5	4.0	3.4	4.1	1.2	4.1	Spinning, weaving and finishing of textiles
3.2	3.7	6.4	-0.1	1.9	3.2	1.9	Preparation and spinning of textile fibres
-4.5	-3.3	-1.7	12.9	9.4	-4.5	9.4	Weaving of textiles
8.6	-4.5	0.8	0.4	8.7	8.6	8.7	Dyeing, bleaching, printing and finishing of yarns and fabrics
1.9	0.1	-1.7	-1.7	-1.7	1.9	-1.7	Other industry
-4.5	-3.8	-1.9	-2.0	-1.2	-4.5	-1.2	Manufacture of other textiles
6.0	2.4	-1.6	-1.5	-1.9	6.0	-1.9	Manufacture of knitted and crocheted fabrics
2.6	3.5	2.3	2.5	-1.4	2.6	-1.4	Other industry
2.6	4.3	3.6	3.6	-1.4	2.6	-1.4	Manufacture of wearing apparel, except fur
2.6	1.3	-1.0	-0.2	-1.4	2.6	-1.4	Manufacture of clothings
8.5	0.9	0.8	-0.7	-3.9	8.5	-3.9	Other industry
-0.6	-5.8	-2.9	-0.8	-1.0	-0.6	-1.0	Manufacture of articles of fur, knitted and crocheted apparel
5.3	3.3	2.9	3.9	4.9	5.3	4.9	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-0.8	-0.8	1.7	0.6	0.6	-0.8	0.6	Manufacture of footwear
12.9	8.1	4.3	7.5	9.6	12.9	9.6	Manufacture of leather footwear
-2.6	-3.8	-1.8	-0.9	0.6	-2.6	0.6	Manufacture of rubber footwear
							Other industry
							Sawmilling and planning of wood

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
101.0	Pemprosesan dan pengawetan daging	4.2	4.6	6.3	10.0	9.6	9.5	9.2	9.1	10.3	10.8	9.7	7.8
102.0	Pemprosesan dan pengawetan ikan, krustasea dan moluska	4.5	9.1	9.1	7.4	7.9	6.0	5.7	3.8	5.3	4.8	3.7	3.5
	10201 Pengetinan ikan, krustasea dan moluska												
	&												
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	4.9	9.7	9.5	7.3	8.1	6.3	7.1	3.4	4.8	4.6	2.7	2.2
	Industri lain	2.1	6.2	6.7	8.1	6.8	4.6	-1.7	6.2	7.5	6.1	9.1	10.7
103.0	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-3.3	-0.1	2.2	3.2	6.2	6.0	3.5	1.8	4.0	4.6	3.4	1.7
	10303 Pengetinan nanas												
	&												
	10304 Pembuatan jem, marmalad dan sajian jeli	7.1	8.6	17.0	9.6	11.4	5.4	9.3	7.8	7.4	8.6	7.5	-8.1
	Industri lain	-3.9	-0.6	1.5	2.9	6.0	6.1	3.2	1.5	3.8	4.4	3.2	2.3
104.0	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.5	6.7	6.9	6.6	6.8	7.0	7.1	7.5	8.9	9.1	7.4	6.7
	10404 Pembuatan minyak sayuran mentah dan bertapis												
	&												
	10406 Pembuatan sebatian lemak masakan	8.3	8.1	9.9	9.2	8.0	8.3	8.0	15.4	16.3	16.8	10.2	10.5
	10405 Pembuatan minyak kelapa	4.4	3.8	3.5	1.2	1.3	1.3	0.6	2.3	3.7	3.7	3.4	3.5
	Industri lain	6.5	6.8	6.9	6.6	6.9	7.2	7.3	7.3	8.7	8.9	7.4	6.6
105.0	Pembuatan produk tenusu	3.0	3.1	2.5	2.5	0.7	-0.1	0.8	2.9	4.4	4.1	4.3	4.2
	10502 Pembuatan susu pekat, tepung dan sejat	1.5	1.7	1.3	2.5	-0.3	-0.9	0.4	2.5	3.2	2.8	1.8	1.9
	Industri lain	7.2	6.9	5.9	2.5	3.4	2.0	1.8	4.0	7.7	7.3	10.9	10.1
106.0	Pembuatan produk bijian, kanji dan produk	3.5	5.0	4.3	2.8	4.6	4.3	4.0	1.7	4.1	4.7	3.8	3.0
	10611 Pengilangan beras	8.1	9.3	8.5	5.7	7.4	6.8	6.1	1.1	2.9	3.4	3.6	1.8
	10613 Pengilangan tepung	0.6	3.5	2.8	2.4	4.1	4.1	3.3	3.9	7.7	8.4	5.6	6.1
	Industri lain	-5.0	-9.0	-9.4	-10.1	-7.2	-7.6	-3.8	-6.0	-6.7	-6.1	-4.6	-5.5
107.0	Pembuatan produk makanan lain	5.0	5.8	4.6	6.3	6.6	5.7	6.6	8.4	9.8	10.3	9.9	8.9
	10711 Pembuatan biskut dan cookies	2.6	4.1	2.1	1.9	2.5	0.6	0.1	0.6	1.6	2.1	1.9	2.8
	10712 Pembuatan roti, kek dan produk bakeri lain	3.3	7.6	8.7	8.8	8.8	9.6	12.5	10.4	11.5	10.7	9.6	8.0
	10713 Pembuatan produk snek	4.7	5.6	5.3	5.4	6.6	4.9	3.3	6.6	7.9	7.5	9.4	8.8
	10721 Pembuatan gula	-0.9	-1.3	-0.5	1.5	1.9	2.7	2.9	6.0	7.2	8.0	7.5	5.3
	10731 Pembuatan produk koko	-0.9	-0.3	-2.2	-2.6	0.0	1.1	0.4	-1.4	-0.5	4.1	4.3	3.2
	10732 Pembuatan coklat dan produk coklat												
	&												
	10733 Pembuatan konfeksi gula	3.3	1.2	-0.1	1.2	1.5	-1.7	-0.4	3.2	3.7	4.4	10.7	9.8
	10793 Pembuatan sos dan bahan perasa	14.2	10.7	10.0	12.4	8.7	8.8	9.2	15.3	17.7	18.3	18.7	16.4
	10799 Pembuatan produk makanan lain t.t.t.l.	3.5	-0.7	-7.4	3.7	5.0	4.0	6.1	15.4	16.9	19.2	18.8	20.0
	Industri lain	6.6	8.4	7.9	7.7	8.4	6.7	6.9	7.0	8.8	9.4	7.2	5.6
108/ 10800	Pembuatan makanan haiwan tersedia	4.2	5.4	5.3	-1.6	-2.3	-1.8	-2.6	-6.3	-7.6	-8.6	-8.1	-12.2
110.0	Pembuatan minuman ringan	2.9	2.7	2.9	2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6
	11041 Pembuatan minuman ringan	3.2	1.8	1.7	1.2	1.4	2.7	3.1	0.6	0.9	1.3	1.8	0.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.8	5.2	4.9	5.2	6.1	4.8	6.3	5.3	5.5	6.5	4.7	4.8
	Industri lain	1.8	2.1	5.2	1.6	5.4	8.2	10.4	8.0	8.7	11.0	11.5	8.1
120/ 12000	Pembuatan produk tembakau	0.6	0.8	2.4	9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2
131.0	Pemintalan, penenunan dan penyiapan tekstil	0.5	-0.2	0.5	1.4	2.8	2.8	2.0	3.7	2.6	1.7	1.9	1.2
	13110 Penyediaan dan pemintalan gentian tekstil												
	&												
	13120 Penenunan tekstil	-0.2	-1.5	1.2	2.6	3.8	4.2	5.3	6.9	6.6	5.2	3.6	3.2
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.1	3.3	-1.6	-1.3	0.5	-0.8	-6.1	-4.2	-7.2	-6.9	-2.8	-4.5
	Industri lain	-6.7	-3.2	3.7	0.8	1.2	6.9	5.3	7.8	7.5	8.9	8.4	8.6
139.0	Pembuatan tekstil lain	2.9	2.5	3.2	3.6	2.8	2.4	2.6	2.9	2.5	2.8	1.4	1.9
	13910 Pembuatan fabrik dikait dan dikrusye	-2.8	-3.0	-4.8	-3.5	-4.7	-5.1	-5.6	-4.9	-6.1	-4.0	-4.6	-4.5
	Industri lain	6.9	6.4	8.8	8.5	7.9	7.4	8.1	8.1	8.2	7.3	5.3	6.0
141.0	Pembuatan pakaian, kecuali pakaian berbulu	2.8	1.7	1.8	2.7	2.5	3.1	3.0	2.1	3.0	3.0	2.8	2.6
	14102 Pembuatan pakaian	5.3	3.1	3.2	3.7	3.1	2.8	2.7	1.6	2.3	2.8	3.1	2.6
	Industri lain	-3.5	-2.0	-1.9	0.3	0.8	4.0	3.9	3.7	4.9	3.6	1.9	2.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.4	5.8	6.7	5.6	6.0	5.4	4.8	10.3	10.3	6.7	8.7	8.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-2.5	-1.5	-0.3	-2.0	-0.8	0.8	0.8	-0.1	1.2	1.8	1.7	-0.6
152.0	Pembuatan kasut	8.0	7.7	9.9	8.8	8.1	7.6	8.1	5.5	5.7	7.0	5.6	5.3
	15201 Pembuatan kasut kulit												
	&												
	15203 Pembuatan kasut getah	8.8	5.5	7.4	5.7	3.3	1.4	1.2	0.4	0.0	0.2	-0.6	-0.8
	Industri lain	7.0	10.3	13.0	12.6	14.0	15.2	16.5	11.9	12.8	15.6	13.5	12.9
161/ 16100	Pengilangan dan pengetaman kayu	-0.7	-0.3	-1.7	-3.6	-2.5	-2.4	-3.6	-2.5	-3.6	-2.6	-2.5	-2.6

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
5.9	6.9	8.1	4.0	4.1	1.7	3.9	3.5	2.9	2.2	2.1	4.1	Processing and preserving of meat
4.5	1.5	1.3	3.2	3.0	1.9	0.4	0.4	-0.03	-1.2	-0.3	0.3	Processing and preserving of fish, crustaceans and molluscs
3.2	-0.4	-0.5	1.7	1.6	0.9	-2.1	-2.0	-2.1	-3.2	-2.3	-1.4	Canning of fish, crustaceans and molluscs
11.5	11.6	11.3	11.4	11.0	7.3	14.6	12.4	10.6	9.2	10.0	9.0	Processing, curing and preserving of fish, crustacean and molluscs
1.8	1.5	2.4	1.4	-3.5	-4.0	-5.2	-1.8	-7.2	-8.0	-7.4	-5.9	Other industry
												Processing and preserving of fruits and vegetable
-3.3	5.9	2.7	3.8	-1.0	1.2	-2.2	-1.7	-3.9	-5.5	-4.5	-5.2	Pineapple canning
2.1	1.2	2.4	1.3	-3.7	-4.3	-5.4	-1.8	-7.4	-8.1	-7.6	-6.0	Manufacture of jams, marmalades and table jellies
5.8	4.4	4.5	5.3	5.5	5.6	5.4	4.6	1.9	1.4	2.1	2.6	Other industry
8.2	12.0	11.6	14.4	13.7	12.7	12.1	8.4	6.9	7.1	6.9	6.8	Manufacture of vegetable and animal oils and fats
4.7	4.9	4.4	4.5	4.5	4.2	5.1	3.4	1.1	1.2	1.2	0.8	Manufacture of crude and refined vegetable oil
5.7	4.0	4.1	4.9	5.1	5.3	5.1	4.4	1.7	1.0	1.9	2.4	Manufacture of compound cooking fats
4.8	4.3	5.8	5.4	7.6	5.4	5.0	5.0	3.3	2.8	2.3	1.9	Manufacture of coconut oil
3.6	2.9	5.4	3.6	7.3	4.3	3.6	3.6	2.1	1.8	1.6	1.1	Manufacture of dairy products
7.9	8.1	7.0	10.4	8.6	8.5	8.5	8.8	6.1	5.2	4.0	3.9	Manufacture of condensed, powdered and evaporated milk
3.2	-0.6	-0.1	0.2	-0.5	-0.5	-1.3	2.1	2.7	2.3	1.5	0.5	Other industry
2.5	1.1	0.3	1.4	0.6	0.1	0.1	5.2	6.0	5.0	2.4	2.3	Manufacture of grain mill products, starches and starch products
6.1	-1.9	-0.4	-0.3	-1.0	-0.8	-2.3	-0.2	0.8	1.1	2.3	0.2	Rice milling
-7.7	-3.6	-1.6	-3.3	-4.6	-2.6	-3.6	-3.2	-6.2	-7.2	-8.8	-9.2	Flour milling
8.3	7.2	7.0	6.8	6.8	6.1	6.4	5.5	4.4	3.8	3.6	3.0	Other industry
0.8	-1.8	-2.2	-1.8	-0.5	-0.1	2.6	3.0	3.1	2.9	2.2	1.1	Manufacture of other food products
7.8	7.6	5.6	7.4	7.9	6.8	5.8	7.7	6.3	4.6	4.5	3.9	Manufacture of biscuits and cookies
10.4	8.2	8.2	7.6	7.3	7.9	9.9	6.9	7.6	7.3	5.6	2.3	Manufacture of bread, cakes and other bakery products
5.3	5.5	3.9	3.1	2.3	2.5	2.1	-2.5	-3.6	-4.4	-1.8	-0.4	Manufacture of snack products
3.4	2.1	1.8	0.4	-6.7	-8.1	-8.6	-8.7	-9.7	-10.1	-9.6	-9.1	Manufacture of sugar
7.9	9.4	9.5	7.8	8.3	7.6	7.0	0.5	1.2	1.2	0.1	1.0	Manufacture of cocoa products
16.8	16.4	16.8	16.5	16.0	12.8	15.2	19.1	17.8	18.0	11.9	12.3	Manufacture of chocolate and chocolate products
19.1	20.2	20.2	14.5	13.1	13.2	12.9	3.6	2.5	0.2	4.9	3.6	Manufacture of sugar confectionery
4.5	2.0	3.1	3.5	3.7	3.2	3.1	3.0	1.2	1.6	1.4	1.1	Manufacture of sauces and condiments
-10.9	-11.2	-10.6	-7.7	-7.6	-9.2	-8.5	-4.2	-4.3	-2.5	-3.2	1.8	Manufacture of other food products n.e.c.
2.8	2.0	2.1	2.6	2.5	2.8	1.9	2.3	2.1	2.4	2.5	2.6	Other industry
1.8	0.7	1.3	1.7	1.6	2.1	1.3	1.8	2.1	2.5	2.4	2.9	Manufacture of prepared animal feeds
2.8	2.8	1.2	1.5	1.7	1.6	0.9	1.8	1.7	1.6	2.7	3.0	Manufacture of beverages
8.1	7.4	9.3	10.3	9.1	9.3	7.8	6.3	3.2	3.4	2.9	0.2	Manufacture of soft drinks
-1.8	-8.5	-8.0	-1.4	-1.6	-0.2	1.5	1.1	0.3	0.2	0.1	1.5	Production of natural mineral waters and other bottled waters
-0.3	0.2	1.5	2.8	3.9	4.0	6.1	3.4	3.4	2.7	3.4	4.1	Other industry
1.4	2.1	3.7	5.7	7.1	6.4	4.6	0.9	-0.1	-0.01	0.6	1.9	Manufacture of tobacco products
-4.4	-3.9	-3.3	-4.1	-3.5	-1.7	11.0	10.7	12.9	9.9	9.9	9.4	Spinning, weaving and finishing of textiles
-1.2	-5.0	-4.5	0.8	1.0	0.8	-0.9	-1.9	0.4	0.4	9.6	8.7	Preparation and spinning of textile fibres
2.8	0.8	0.1	-1.0	-1.2	-1.7	-2.6	-1.8	-1.7	-1.4	-1.8	-1.7	Weaving of textiles
-3.1	-6.4	-3.8	-4.8	-1.8	-1.9	-2.0	-1.4	-2.0	-2.1	-2.0	-1.2	Dyeing, bleaching, printing and finishing of yarns and fabrics
6.5	5.4	2.4	1.3	-0.8	-1.6	-2.9	-2.0	-1.5	-1.1	-1.6	-1.9	Other industry
2.9	3.3	3.5	2.8	2.8	2.3	2.7	2.1	2.5	2.0	-1.6	-1.4	Manufacture of other textiles
2.8	4.0	4.3	3.9	4.0	3.6	4.4	3.2	3.6	2.3	-1.5	-1.4	Manufacture of knitted and crocheted fabrics
3.4	1.4	1.3	0.1	-0.3	-1.0	-1.6	-0.7	-0.2	1.0	-1.8	-1.4	Other industry
6.5	2.8	0.9	3.5	2.6	0.8	1.0	-2.7	-0.7	0.8	-4.2	-3.9	Manufacture of wearing apparel, except fur
												Manufacture of clothings
												Other industry
												Manufacture of articles of fur, knitted and crocheted apparel
												Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
												Manufacture of footwear
												Manufacture of leather footwear
												Manufacture of rubber footwear
												Other industry
												Sawmilling and planning of wood

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.6	1.2	0.4	3.0	1.4	1.5
16211	Pembuatan kepingan venier dan papan lapis	1.7	3.1	2.7	2.6	1.3	2.3
16212	Pembuatan papan partikel dan papan gentian	-4.9	8.4	3.1	-7.7	-4.3	6.6
16221	Pertukangan kayu untuk jurubina	-3.4	-10.9	-11.8	6.5	4.1	-4.0
	Industri lain	9.3	2.3	0.9	7.1	2.6	0.5
170	Pembuatan kertas dan produk kertas	4.3	1.0	0.6	4.1	1.8	1.7
17010	Pembuatan pulpa, kertas dan kertas tebal	5.3	-2.4	5.9	7.1	-3.2	-3.0
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.9	-1.4	-1.9	5.4	3.6	0.5
17091	Pembuatan sampul surat dan kad surat	-0.3	4.1	-2.6	4.4	1.7	0.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.4	5.1	-2.3	-1.7	-1.6	4.5
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.0	0.0	1.0	4.3	4.4	2.0
	Industri lain	6.0	9.8	8.2	5.0	5.5	8.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.0	1.7	0.8	3.9	4.6	5.3
18110	Percetakan	4.7	2.3	0.6	4.5	5.5	6.3
18120 &	Aktiviti perkhidmatan berkaitan percetakan	0.9	-1.2	1.7	1.4	0.7	1.0
18200	Penerbitan semula media rakaman						
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.2	3.7	0.4	4.3	5.1	3.1
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.8	0.3	5.3	3.5	3.1	0.1
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.6	9.1	14.9	13.2	9.0	10.0
20112 &	Pembuatan kimia organik asas	8.5	-1.9	4.9	9.4	7.6	2.5
20113	Pembuatan sebatian bukan organik						
20121 &	Pembuatan baja	-16.2	-5.9	-1.6	-12.5	-8.6	-16.7
20129	Pembuatan produk campuran nitrogen						
20131	Pembuatan plastik dalam bentuk primer	1.2	2.1	4.0	0.2	1.0	2.4
	Industri lain	13.0	6.6	9.2	14.1	5.7	6.9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.3	-2.6	-3.0	1.2	0.1	0.2
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.3	13.8	11.0	7.5	6.2	14.9
20221	Pembuatan cat, varnis dan penyadur dan mastik	-0.3	1.4	-0.2	-11.2	4.0	2.7
20222	Pembuatan dakwat cetak	15.2	4.7	-4.1	3.6	6.0	4.0
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	5.7	-7.7	-4.3	4.4	-5.0	-5.3
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials						
20292 &	Pembuatan dakwat menulis dan melukis	3.3	-4.0	-6.5	3.4	1.0	2.0
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	-11.4	-32.2	-11.9	-4.0	-6.1	-36.1
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.9	2.3	3.0	8.5	-0.3	1.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	7.0	1.1	4.0	6.1	0.1	1.5
	Industri lain	13.8	5.4	0.6	14.4	-1.2	2.0
221	Pembuatan produk getah	-0.2	-4.0	-2.4	-2.7	-9.2	-6.0
22111	Pembuatan tayar getah untuk kenderaan	-6.1	2.6	-3.7	-6.3	-6.3	3.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.6	12.0	-3.7	12.2	14.2	14.0
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.8	4.4	-5.3	12.5	13.2	7.0
22193	Pengilangan semula getah dan prosesan susu getah						
22192	Pembuatan sarung tangan getah	-1.1	-9.0	-2.4	-8.5	-18.7	-14.0
22199	Pembuatan produk getah lain yang t.t.t.l.	-0.4	-1.5	-0.4	0.9	-3.2	0.1
222	Pembuatan produk plastik	3.3	3.3	2.2	2.5	2.6	2.9
22201 &	Pembuatan produk plastik separa siap	11.4	1.6	1.5	3.8	2.4	2.7
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	4.0	5.8	2.0	4.3	4.7	6.5
22204	Pembuatan barangan plastik jurubina	9.3	0.3	5.4	2.6	3.7	3.1
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	9.4	0.7	0.9	-1.4	-5.4	-6.2
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-4.1	3.0	3.0	1.0	3.1	2.2
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	11.3	-1.0	5.1	11.3	5.5	2.6

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
1.2	0.05	2.5	1.0	0.4	1.2	0.4	Manufacture of products of wood, cork, straw and plaiting materials
3.1	1.0	4.3	3.6	2.7	3.1	2.7	Manufacture of veneer sheets and plywood
8.4	10.4	11.5	1.7	3.1	8.4	3.1	Manufacture of particle board and fibreboard
-10.9	-9.5	-11.3	-9.0	-11.8	-10.9	-11.8	Manufacture of builders' carpentry
2.3	0.0	4.1	0.5	0.9	2.3	0.9	Other industry
1.0	0.9	0.7	0.5	0.6	1.0	0.6	Manufacture of paper and paper products
-2.4	-0.4	3.3	5.6	5.9	-2.4	5.9	Manufacture of pulp, paper and paperboard
-1.4	-2.0	-2.6	-1.6	-1.9	-1.4	-1.9	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
4.1	-4.1	-5.3	-5.6	-2.6	4.1	-2.6	Manufacture of envelopes and letter-card
5.1	6.0	3.5	-2.4	-2.3	5.1	-2.3	Manufacture of household and personal hygiene paper
0.0	0.2	0.8	1.0	1.0	0.0	1.0	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
9.8	8.1	7.2	7.9	8.2	9.8	8.2	Other industry
1.7	-2.8	-1.3	0.1	0.8	1.7	0.8	Printing, service activities related to printing and reproduction of recorded media
2.3	-2.5	-2.4	-0.1	0.6	2.3	0.6	Printing
-1.2	-3.7	3.5	1.4	1.7	-1.2	1.7	Service activities related to printing
							Reproduction of recorded media
3.7	1.8	1.0	0.5	0.4	3.7	0.4	Manufacture of refined petroleum products
0.3	-0.7	0.9	4.4	5.3	0.3	5.3	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
9.1	8.0	12.7	13.8	14.9	9.1	14.9	Manufacture of liquefied or compressed inorganic industrial or medical gases
-1.9	-2.4	-0.9	3.7	4.9	-1.9	4.9	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
							Manufacture of fertilizers
-5.9	-11.4	-8.2	-1.3	-1.6	-5.9	-1.6	Manufacture of associated nitrogen products
2.1	3.8	3.0	3.5	4.0	2.1	4.0	Manufacture of plastics in primary forms
6.6	4.7	4.8	6.8	9.2	6.6	9.2	Other industry
-2.6	-3.0	-0.2	-3.0	-3.0	-2.6	-3.0	Manufacture of other chemical products and man-made fibres
13.8	9.0	13.0	13.2	11.0	13.8	11.0	Manufacture of pesticides and other agrochemical products
1.4	1.7	0.6	0.1	-0.2	1.4	-0.2	Manufacture of paints, varnishes and similar coatings ink and mastics
4.7	1.7	1.9	-3.1	-4.1	4.7	-4.1	Manufacture of printing ink
							Manufacture of soap and detergents, cleaning and polishing preparations
-7.7	-6.7	1.0	-3.2	-4.3	-7.7	-4.3	Manufacture of perfumes and toilet preparations
							Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-4.0	-5.0	-5.5	-9.0	-6.5	-4.0	-6.5	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
-32.2	-36.1	-36.9	-18.4	-11.9	-32.2	-11.9	Other industry
2.3	1.6	0.5	0.3	3.0	2.3	3.0	Manufacture of pharmaceuticals, medicinal chemical and botanical products
1.1	-0.03	-1.4	0.2	4.0	1.1	4.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
5.4	5.4	5.0	0.4	0.6	5.4	0.6	Other industry
-4.0	-5.0	-3.5	-2.5	-2.4	-4.0	-2.4	Manufacture of rubber products
2.6	0.3	-4.5	-2.2	-3.7	2.6	-3.7	Manufacture of rubber tyres for vehicles
12.0	9.7	9.2	2.2	-3.7	12.0	-3.7	Manufacture of interchangeable tyre treads and retreading rubber tyres
							Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
4.4	1.2	0.1	-4.4	-5.3	4.4	-5.3	Rubber remilling and latex processing
-9.0	-8.5	-5.9	-2.7	-2.4	-9.0	-2.4	Manufacture of rubber gloves
-1.5	-4.3	-2.1	-1.7	-0.4	-1.5	-0.4	Manufacture of other rubber products n.e.c.
3.3	2.6	3.1	2.6	2.2	3.3	2.2	Manufacture of plastics products
							Manufacture of semi-manufactures of plastic products
1.6	1.2	0.3	1.4	1.5	1.6	1.5	Manufacture of finished plastic products
5.8	4.7	4.0	2.3	2.0	5.8	2.0	Manufacture of plastic articles for the packing of goods
0.3	0.01	1.7	2.1	5.4	0.3	5.4	Manufacture of builders' plastics ware
0.7	-0.2	0.7	-1.6	0.9	0.7	0.9	Manufacture of plastic tableware, kitchenware and toilet articles
3.0	2.4	5.0	4.9	3.0	3.0	3.0	Manufacture of diverse plastic products n.e.c.
-1.0	0.3	5.9	6.8	5.1	-1.0	5.1	Manufacture of glass and glass products

Jadual 1.5b : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
162.0	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.3	2.7	3.0	3.5	1.8	1.4	2.2	2.2	1.5	2.0	2.2	1.2
16211	Pembuatan kepingan venier dan papan lapis	2.4	4.4	2.6	2.7	1.2	1.3	4.3	3.5	2.3	2.7	3.2	3.1
16212	Pembuatan papan partikel dan papan gentian	-8.8	-7.6	-7.7	-8.2	-4.5	-4.3	-4.9	8.1	6.6	5.5	7.2	8.4
16221	Pertukangan kayu untuk jurubina	-2.3	-1.1	6.5	9.1	5.3	4.1	3.2	-3.3	-4.0	-3.0	-5.4	-10.9
	Industri lain	6.7	7.0	7.1	8.0	4.0	2.6	-0.5	-0.3	0.5	1.9	2.5	2.3
170.0	Pembuatan kertas dan produk kertas	4.0	4.2	4.1	3.9	2.2	1.8	0.6	1.6	1.7	1.8	1.1	1.0
17010	Pembuatan pulpa, kertas dan kertas tebal	5.2	7.9	7.1	7.2	-2.8	-3.2	-3.6	-0.4	-3.0	-3.6	-4.8	-2.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.5	5.6	5.4	4.3	4.0	3.6	2.1	0.4	0.5	-0.01	-0.7	-1.4
17091	Pembuatan sampul surat dan kad surat	-0.1	3.9	4.4	5.1	3.1	1.7	2.3	1.9	0.1	1.3	7.4	4.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.3	-1.4	-1.7	-1.6	-0.4	-1.6	-3.8	2.4	4.5	5.8	5.4	5.1
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3.8	3.9	4.3	5.7	3.3	4.4	4.1	1.8	2.0	2.7	0.3	0.0
	Industri lain	4.1	4.8	5.0	5.0	5.8	5.5	4.6	8.1	8.2	9.4	9.5	9.8
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.1	3.8	3.9	6.4	7.0	4.6	4.8	5.4	5.3	2.8	1.5	1.7
18110	Percetakan	4.8	4.3	4.5	7.6	8.2	5.5	5.6	6.1	6.3	3.1	1.9	2.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	1.2	1.5	1.4	1.2	1.4	0.7	1.3	2.2	1.0	1.2	-0.2	-1.2
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.4	4.1	4.3	5.9	5.4	5.1	3.2	3.8	3.1	4.3	4.4	3.7
201.0	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	2.8	3.1	3.5	2.2	2.7	3.1	-1.1	0.4	0.1	0.2	1.2	0.3
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.7	7.2	13.2	6.7	10.8	9.0	8.5	9.8	10.0	9.4	9.6	9.1
20112 & 20113	Pembuatan kimia organik asas	8.9	9.6	9.4	6.2	6.5	7.6	1.8	3.0	2.5	2.8	-0.7	-1.9
20121 & 20129	Pembuatan sebatian bukan organik	-14.2	-13.9	-12.5	-8.7	-8.7	-8.6	-15.6	-15.4	-16.7	-17.1	-5.1	-5.9
20131	Pembuatan produk campuran nitrogen	3.2	2.2	0.2	0.3	0.5	1.0	0.3	2.3	2.4	2.2	3.0	2.1
	Pembuatan plastik dalam bentuk primer	13.3	14.8	14.1	8.4	5.2	5.7	0.7	5.7	6.9	8.9	7.0	6.6
	Industri lain	13.3	14.8	14.1	8.4	5.2	5.7	0.7	5.7	6.9	8.9	7.0	6.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3.6	4.3	1.2	2.9	0.8	0.1	1.4	1.4	0.2	0.2	-1.5	-2.6
20210	Pembuatan racun perosak dan produk agrokimia lain	1.2	6.0	7.5	7.2	8.2	6.2	6.3	17.0	14.9	18.0	13.2	13.8
20221	Pembuatan cat, varnis dan penyadur dan mastik	0.1	-1.2	-11.2	3.2	4.0	4.0	4.1	4.4	2.7	2.9	2.3	1.4
20222	Pembuatan dakwat cetak	16.7	16.8	3.6	4.4	4.1	6.0	6.6	5.5	4.0	4.5	4.9	4.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	2.5	4.3	4.4	3.1	-3.9	-5.0	-3.8	-3.5	-5.3	-6.0	-7.4	-7.7
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	4.1	3.5	3.4	1.2	2.2	1.0	3.9	1.9	2.0	2.3	-0.8	-4.0
20292 & 20299	Pembuatan dakwat menulis dan melukis	4.1	3.5	3.4	1.2	2.2	1.0	3.9	1.9	2.0	2.3	-0.8	-4.0
	Pembuatan produk kimia lain t.t.t.l.	-14.9	-7.3	-4.0	-3.9	-4.1	-6.1	-7.3	-30.4	-36.1	-40.7	-35.1	-32.2
	Industri lain	-14.9	-7.3	-4.0	-3.9	-4.1	-6.1	-7.3	-30.4	-36.1	-40.7	-35.1	-32.2
210.0	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.6	8.5	8.5	1.3	0.6	-0.3	0.2	1.7	1.6	1.9	2.2	2.3
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	6.5	5.7	6.1	3.4	1.1	0.1	-0.6	1.4	1.5	0.8	0.8	1.1
	Industri lain	13.6	15.3	14.4	-3.8	-0.6	-1.2	2.2	2.4	2.0	4.8	5.5	5.4
221.0	Pembuatan produk getah	-3.7	-3.1	-2.7	-7.6	-8.7	-9.2	-8.3	-6.3	-6.0	-4.8	-3.8	-4.0
22111	Pembuatan tayar getah untuk kenderaan	-7.3	-7.1	-6.3	-6.1	-6.4	-6.3	13.6	2.7	3.0	2.3	2.5	2.6
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.5	10.7	12.2	6.4	9.1	14.2	15.3	13.9	14.0	14.7	15.2	12.0
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	7.2	11.7	12.5	9.4	10.7	13.2	15.6	8.6	7.0	6.7	4.2	4.4
22192	Pengilangan semula getah dan prosesan susu getah	-8.6	-8.6	-8.5	-14.7	-16.3	-18.7	-19.3	-14.4	-14.0	-12.1	-9.4	-9.0
22199	Pembuatan sarung tangan getah	0.6	0.2	0.9	-3.1	-4.9	-3.2	-4.3	-0.7	0.1	0.9	-0.1	-1.5
	Pembuatan produk getah lain yang t.t.t.l.	0.6	0.2	0.9	-3.1	-4.9	-3.2	-4.3	-0.7	0.1	0.9	-0.1	-1.5
222.0	Pembuatan produk plastik	4.7	5.8	2.5	2.4	3.0	2.6	4.0	2.8	2.9	3.2	3.5	3.3
22201 & 22202	Pembuatan produk plastik separa siap	12.4	13.5	3.8	4.7	5.5	2.4	1.6	2.1	2.7	3.0	1.8	1.6
22202	Pembuatan produk plastik siap	12.4	13.5	3.8	4.7	5.5	2.4	1.6	2.1	2.7	3.0	1.8	1.6
22203	Pembuatan artikel plastik untuk pembungkusan barangan	5.8	7.9	4.3	4.4	5.1	4.7	6.7	6.1	6.5	5.8	5.8	5.8
22204	Pembuatan barangan plastik jurubina	9.7	10.6	2.6	1.5	3.7	3.7	2.7	2.9	3.1	1.2	1.1	0.3
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-2.8	-1.5	-1.4	-4.9	-4.8	-5.4	-9.5	-3.5	-6.2	-2.6	-1.3	0.7
22209	Pembuatan pelbagai produk plastik t.t.t.l.	0.6	0.9	1.0	1.2	1.6	3.1	7.3	2.1	2.2	2.7	3.8	3.0
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	10.2	11.5	11.3	11.5	6.2	5.5	-0.4	1.5	2.6	1.9	-0.3	-1.0

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
0.6	-0.3	0.05	1.5	1.1	2.5	2.9	0.8	1.0	0.8	1.0	0.4	Manufacture of products of wood, cork, straw and plaiting materials
2.3	1.5	1.0	2.6	1.7	4.3	4.0	3.8	3.6	3.0	3.5	2.7	Manufacture of veneer sheets and plywood
10.3	10.8	10.4	12.0	11.6	11.5	10.5	-3.3	1.7	2.6	2.6	3.1	Manufacture of particle board and fibreboard
-11.2	-13.0	-9.5	-10.9	-11.0	-11.3	-9.5	-10.3	-9.0	-10.1	-10.1	-11.8	Manufacture of builders' carpentry
0.8	-0.1	0.0	3.6	4.1	4.1	5.8	2.7	0.5	1.1	0.6	0.9	Other industry
1.0	0.8	0.9	0.8	0.5	0.7	1.2	0.8	0.5	0.6	0.7	0.6	Manufacture of paper and paper products
0.7	-0.5	-0.4	-0.8	3.5	3.3	3.9	4.9	5.6	6.5	6.2	5.9	Manufacture of pulp, paper and paperboard
-1.8	-2.1	-2.0	-2.2	-2.6	-2.6	-2.6	-1.3	-1.6	-1.5	-1.7	-1.9	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1.3	-1.6	-4.1	-4.2	-5.4	-5.3	-5.2	-4.5	-5.6	-5.4	-3.7	-2.6	Manufacture of envelopes and letter-card
4.5	5.5	6.0	6.2	2.0	3.5	3.4	-2.9	-2.4	-2.4	-2.5	-2.3	Manufacture of household and personal hygiene paper
0.1	0.1	0.2	0.3	0.6	0.8	1.8	1.2	1.0	-0.1	-0.4	1.0	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
7.9	7.7	8.1	7.7	8.1	7.2	9.8	11.4	7.9	8.7	11.1	8.2	Other industry
-2.4	-1.9	-2.8	-2.4	-3.3	-1.3	-1.2	0.2	0.1	1.0	1.3	0.8	Printing, service activities related to printing and reproduction of recorded media
-2.2	-1.5	-2.5	-3.1	-4.5	-2.4	-2.3	-0.2	-0.1	1.1	1.4	0.6	Printing
-3.5	-3.4	-3.7	0.7	2.2	3.5	3.8	1.9	1.4	0.7	1.3	1.7	Service activities related to printing
												Reproduction of recorded media
2.6	2.9	1.8	1.6	0.7	1.0	1.1	0.6	0.5	0.7	0.9	0.4	Manufacture of refined petroleum products
-0.2	-0.6	-0.7	3.3	1.8	0.9	4.7	4.6	4.4	4.2	4.9	5.3	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
9.3	9.0	8.0	14.7	11.8	12.7	13.5	13.6	13.8	12.1	14.9	14.9	Manufacture of liquefied or compressed inorganic industrial or medical gases
												Manufacture of basic organic chemicals
-2.3	-2.4	-2.4	2.0	0.6	-0.9	4.0	4.1	3.7	3.8	4.5	4.9	Manufacture of inorganic compounds
												Manufacture of fertilizers
-7.0	-10.7	-11.4	-4.6	-8.0	-8.2	-0.9	-1.1	-1.3	-1.6	-1.6	-1.6	Manufacture of associated nitrogen products
1.5	3.4	3.8	4.4	4.4	3.0	3.4	3.2	3.5	3.3	3.5	4.0	Manufacture of plastics in primary forms
6.1	3.9	4.7	6.1	4.3	4.8	10.2	8.3	6.8	7.3	7.6	9.2	Other industry
-2.8	-2.1	-3.0	-1.9	-0.8	-0.2	-2.6	-2.3	-3.0	-3.4	-3.9	-3.0	Manufacture of other chemical products and man-made fibres
13.1	10.5	9.0	10.9	11.1	13.0	12.7	12.9	13.2	10.6	10.7	11.0	Manufacture of pesticides and other agrochemical products
0.1	5.1	1.7	1.0	0.4	0.6	0.03	0.03	0.1	-1.1	-0.9	-0.2	Manufacture of paints, varnishes and similar coatings ink and mastics
4.0	3.9	1.7	2.3	1.8	1.9	-6.1	-4.8	-3.1	-3.7	-4.0	-4.1	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
-7.5	-7.1	-6.7	-3.8	0.1	1.0	-2.0	-1.8	-3.2	-3.8	-4.2	-4.3	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-4.2	-4.2	-5.0	-5.1	-5.7	-5.5	-6.7	-7.2	-9.0	-8.1	-9.2	-6.5	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
-31.0	-35.6	-36.1	-36.9	-37.1	-36.9	-37.1	-20.9	-18.4	-11.4	-12.8	-11.9	Other industry
1.9	1.4	1.6	0.6	0.3	0.5	0.4	0.9	0.3	0.4	2.6	3.0	Manufacture of pharmaceuticals, medicinal chemical and botanical products
1.0	0.6	-0.03	-2.5	-2.3	-1.4	-0.8	0.3	0.2	0.1	3.8	4.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
3.8	3.5	5.4	8.6	6.6	5.0	3.1	2.2	0.4	1.1	-0.3	0.6	Other industry
-3.6	-4.1	-5.0	-5.2	-4.1	-3.5	-3.4	-2.9	-2.5	-2.4	-2.5	-2.4	Manufacture of rubber products
2.8	1.1	0.3	-5.1	-5.4	-4.5	-11.6	-2.2	-2.2	-2.2	-3.2	-3.7	Manufacture of rubber tyres for vehicles
12.0	9.5	9.7	9.6	10.4	9.2	9.3	4.6	2.2	2.1	-7.3	-3.7	Manufacture of interchangeable tyre treads and retreading rubber tyres
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
3.8	1.4	1.2	0.2	-0.5	0.1	-3.9	-4.7	-4.4	-4.4	-4.6	-5.3	Rubber remilling and latex processing
-7.6	-6.9	-8.5	-8.7	-7.4	-5.9	-4.0	-3.4	-2.7	-2.8	-2.3	-2.4	Manufacture of rubber gloves
-2.7	-4.1	-4.3	-3.2	-1.2	-2.1	-1.0	-1.8	-1.7	-1.1	-1.0	-0.4	Manufacture of other rubber products n.e.c.
3.3	2.5	2.6	3.1	3.4	3.1	3.1	2.7	2.6	2.8	2.9	2.2	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
1.5	1.6	1.2	0.5	1.0	0.3	0.7	1.2	1.4	1.2	2.1	1.5	Manufacture of finished plastic products
6.1	4.6	4.7	4.8	4.7	4.0	1.9	2.2	2.3	3.0	2.8	2.0	Manufacture of plastic articles for the packing of goods
0.7	-0.4	0.01	1.7	1.6	1.7	1.1	1.4	2.1	2.3	4.9	5.4	Manufacture of builders' plastics ware
1.3	-0.2	-0.2	0.8	0.1	0.7	4.9	-1.5	-1.6	0.6	1.0	0.9	Manufacture of plastic tableware, kitchenware and toilet articles
2.6	2.2	2.4	4.0	4.8	5.0	5.5	5.5	4.9	4.4	4.0	3.0	Manufacture of diverse plastic products n.e.c.
-1.0	-0.6	0.3	1.2	4.4	5.9	7.4	7.0	6.8	6.6	5.5	5.1	Manufacture of glass and glass products

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.5	2.5	-1.0	-2.0	0.04	2.1
23911	Pembuatan mortar refraktori dan konkrit						
&							
23921	Pembuatan seramik bukan refraktori	-6.6	-8.1	-6.1	-6.4	-5.2	-4.0
23930	Pembuatan produk porselin dan seramik lain	2.9	-14.9	-7.3	-12.6	-11.8	-14.2
23941	Pembuatan simen hidrolik	-4.7	1.0	1.1	-6.6	-9.9	0.7
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.3	1.5	0.7	1.7	-0.8	1.8
23952	Pembuatan konkrit pratuangan, simen atau artikel batu						
&	buatan yang digunakan dalam pembinaan;						
23953	Pembuatan komponen struktur pasang siap untuk bangunan	-0.9	4.1	-4.8	0.7	6.2	5.1
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan						
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.8	12.4	9.9	-5.1	0.3	6.6
	Industri lain	1.0	14.8	4.1	1.8	2.5	6.7
241							
(24101 &							
24102 &	Pembuatan besi dan keluli asas	0.4	5.3	3.4	1.7	1.6	4.9
24103 &							
24104 &							
24109)							
242							
(24201 &	Pembuatan logam asas berharga dan logam bukan ferus lain	1.6	-5.9	-3.3	-0.4	-0.3	-4.8
24202 &							
24209)							
243	Pengacuan logam	-2.8	1.6	2.6	-2.4	0.1	1.8
251 &							
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.8	1.4	2.4	1.1	1.3	2.2
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan						
&	pintu pagar daripada logam	-0.2	4.6	5.1	-0.9	0.2	6.0
25119	Pembuatan produk struktur logam lain						
25120	Pembuatan tangki, takungan dan kontena daripada logam	4.6	-8.3	-5.1	6.2	3.4	-8.7
	Industri lain	0.5	-0.7	-2.0	4.3	3.6	-0.5
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	5.4	2.2	2.1	2.2	5.2
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	1.5	-0.3	3.5	-1.1	-5.8	-2.0
25920	Rawatan dan penyalutan logam; menggunakan mesin	5.8	-9.7	-14.1	4.8	6.8	-6.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.9	6.1	13.2	0.5	-1.6	7.5
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam						
&							
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	0.3	8.3	-0.03	1.8	3.2	6.6
25994	Pembuatan barangan rumah daripada logam	-0.8	14.1	2.9	1.8	5.2	11.8
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.4	7.9	6.1	3.5	5.2	10.1
	Industri lain	-0.3	21.8	3.6	3.8	7.1	18.7
261	Pembuatan komponen dan papan elektronik	7.4	1.9	-2.2	6.5	7.1	4.8
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya						
&							
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	6.7	0.9	-1.9	5.1	4.1	2.2
26103	Pembuatan kapasitor dan perintang elektrik						
&							
26104	Pembuatan papan litar bercetak	9.3	3.0	-2.5	9.5	12.1	8.4
&							
26105	Pembuatan komponen paparan						
26109	Pembuatan komponen lain untuk aplikasi elektronik	1.1	3.0	-3.0	0.2	2.8	4.7
262							
(26201 &	Pembuatan komputer dan kelengkapan peranti	5.8	-3.2	6.9	0.3	-1.1	-2.4
26202)							
263/							
26300	Pembuatan peralatan komunikasi	7.8	0.3	4.3	6.6	4.7	-0.6
264/							
26400	Pembuatan peralatan elektronik pengguna	3.9	3.4	4.7	0.9	-2.8	5.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	8.2	-0.1	4.7	8.5	7.5	2.0
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah						
&	dan kawalan	8.8	0.2	4.9	10.0	10.8	3.1
26512	Pembuatan kelengkapan kawalan proses perindustrian						
26520	Pembuatan jam tangan dan jam dan bahagiannya	6.0	-1.1	4.2	3.4	-3.1	-1.5
266/							
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	1.5	-3.1	0.6	1.8	1.4	-2.1

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
2.5	0.1	-1.4	-1.3	-1.0	2.5	-1.0	Manufacture of non-metallic mineral products
							Manufacture of refractory mortars and concretes
-8.1	-9.3	-11.9	-11.4	-6.1	-8.1	-6.1	Manufacture of non-refractory ceramic
-14.9	-1.5	-5.0	-4.2	-7.3	-14.9	-7.3	Manufacture of other porcelain and ceramic products
1.0	0.02	-0.1	4.4	1.1	1.0	1.1	Manufacture of hydraulic cement
1.5	2.2	3.3	0.1	0.7	1.5	0.7	Manufacture of ready-mix and dry-mix concrete and mortars
							Manufacture of precast concrete, cement or artificial stone articles for use in construction
4.1	-4.8	-6.6	-6.1	-4.8	4.1	-4.8	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
							Manufacture of other articles of concrete, cement and plaster n.e.c.
12.4	13.6	9.3	13.8	9.9	12.4	9.9	Manufacture of other non-metallic mineral products n.e.c.
14.8	13.3	11.8	5.2	4.1	14.8	4.1	Other industry
5.3	7.0	5.9	5.1	3.4	5.3	3.4	Manufacture of basic iron and steel
-5.9	-7.1	-5.0	-4.1	-3.3	-5.9	-3.3	Manufacture of basic precious and other non-ferrous metals
1.6	-0.7	-0.6	0.2	2.6	1.6	2.6	Casting of metals
1.4	1.7	4.4	3.7	2.4	1.4	2.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
							Manufacture of metal doors, windows and their frames, shutters and gates
4.6	5.2	8.6	5.9	5.1	4.6	5.1	Manufacture of other structural metal products
-8.3	-7.5	-4.4	-3.0	-5.1	-8.3	-5.1	Manufacture of tanks, reservoirs and containers of metal
-0.7	-2.2	-3.2	1.7	-2.0	-0.7	-2.0	Other industry
5.4	4.6	5.0	3.1	2.2	5.4	2.2	Manufacture of other fabricated metal products; metal working service activities
							Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-0.3	-0.8	2.0	2.6	3.5	-0.3	3.5	Treatment and coating of metals; machining
-9.7	-11.4	-13.4	-14.0	-14.1	-9.7	-14.1	Manufacture of tins and cans for food products, collapsible tubes and boxes
6.1	8.2	11.1	11.0	13.2	6.1	13.2	Manufacture of metal cable, plaited bands and similar articles
8.3	9.7	8.2	4.9	-0.03	8.3	-0.03	Manufacture of bolts, screws, nuts and similar threaded products
14.1	5.5	-1.3	-1.1	2.9	14.1	2.9	Manufacture of metal household articles
7.9	7.3	8.0	7.2	6.1	7.9	6.1	Manufacture of any other fabricated metal products n.e.c.
21.8	17.8	17.4	4.9	3.6	21.8	3.6	Other industry
1.9	-2.5	-2.9	-3.3	-2.2	1.9	-2.2	Manufacture of electronic components and boards
							Manufacture of diodes, transistors and similar semiconductor devices
0.9	-2.2	-2.4	-3.1	-1.9	0.9	-1.9	Manufacture of electronic integrated circuits micro assemblies
							Manufacture of electrical capacitors and resistors
3.0	-3.7	-3.7	-3.6	-2.5	3.0	-2.5	Manufacture of printed circuit boards
							Manufacture of display components
3.0	2.7	-2.1	-3.4	-3.0	3.0	-3.0	Manufacture of other components for electronic applications
-3.2	1.7	3.5	5.6	6.9	-3.2	6.9	Manufacture of computers and peripheral equipment
0.3	0.6	0.4	5.0	4.3	0.3	4.3	Manufacture of communication equipment
3.4	4.4	4.6	-0.1	4.7	3.4	4.7	Manufacture of consumer electronics
-0.1	-0.4	3.7	4.3	4.7	-0.1	4.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
							Manufacture of measuring, testing, navigating and control equipment
0.2	-0.4	3.0	3.9	4.9	0.2	4.9	Manufacture of industrial process control equipment
-1.1	-0.5	6.1	6.0	4.2	-1.1	4.2	Manufacture of watches and clocks and parts
-3.1	-6.3	-6.5	-1.7	0.6	-3.1	0.6	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
239.0	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-1.0	-1.5	-2.0	-2.0	-0.5	0.0	1.0	1.9	2.1	1.8	2.5	2.5
23911	Pembuatan mortar refraktori dan konkrit												
&													
23921	Pembuatan seramik bukan refraktori	-5.3	-4.7	-6.4	-5.9	-6.1	-5.2	-7.4	-4.3	-4.0	-5.8	-8.6	-8.1
23930	Pembuatan produk porselin dan seramik lain	1.4	-13.3	-12.6	-12.8	-11.1	-11.8	-12.6	-11.1	-14.2	-15.1	-13.6	-14.9
23941	Pembuatan simen hidrolik	-3.6	-3.7	-6.6	-9.6	-9.7	-9.9	-6.8	1.4	0.7	0.4	0.5	1.0
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.4	3.4	1.7	-2.7	-0.3	-0.8	2.6	0.0	1.8	0.7	1.3	1.5
23952	Pembuatan konkrit pratuangan, simen atau artikel batu												
&	buatan yang digunakan dalam pembinaan;												
23953	Pembuatan komponen struktur pasang siap untuk bangunan	-1.2	0.1	0.7	3.5	5.2	6.2	5.3	5.5	5.1	4.0	5.0	4.1
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan												
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.												
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-4.1	-4.4	-5.1	-3.7	-0.1	0.3	5.6	4.0	6.6	12.4	12.9	12.4
	Industri lain	-0.5	0.3	1.8	0.5	1.1	2.5	4.2	6.4	6.7	6.2	12.6	14.8
241													
(24101 &													
24102 &													
24103 &	Pembuatan besi dan keluli asas	1.8	1.0	1.7	1.3	2.1	1.6	1.3	2.9	4.9	4.3	5.1	5.3
24104 &													
24109)													
242													
(24201 &													
24202 &	Pembuatan logam asas berharga dan logam bukan ferus lain	0.7	0.4	-0.4	-1.6	-0.7	-0.3	-0.9	-4.0	-4.8	-4.4	-5.7	-5.9
24209)													
243.0	Pengacuan logam	-3.2	-2.0	-2.4	1.6	1.4	0.1	-0.6	2.2	1.8	2.0	1.5	1.6
251 &													
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.3	1.3	1.1	0.5	1.2	1.3	1.4	2.6	2.2	1.8	1.7	1.4
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan												
&	pintu pagar daripada logam	-1.3	-0.3	-0.9	-0.9	-0.2	0.2	1.6	7.5	6.0	5.8	4.9	4.6
25119	Pembuatan produk struktur logam lain												
25120	Pembuatan tangki, takungan dan kontena daripada logam	5.2	5.5	6.2	2.3	3.2	3.4	1.6	-9.3	-8.7	-9.6	-7.7	-8.3
	Industri lain	1.7	3.9	4.3	4.5	5.3	3.6	0.2	-4.2	-0.5	-1.1	-0.2	-0.7
259.0	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.8	3.3	2.1	2.2	2.7	2.2	3.1	4.7	5.2	5.5	5.0	5.4
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	1.2	-1.4	-1.1	-3.7	-4.5	-5.8	-1.9	-0.8	-2.0	-0.8	-0.1	-0.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	6.1	6.2	4.8	6.1	6.5	6.8	3.8	-5.5	-6.9	-7.6	-7.1	-9.7
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-0.3	0.6	0.5	-4.9	-1.9	-1.6	-1.2	6.7	7.5	8.8	5.7	6.1
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam												
&													
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.2	3.0	1.8	3.5	4.1	3.2	4.7	4.2	6.6	5.9	3.9	8.3
25994	Pembuatan barangan rumah daripada logam	1.6	0.6	1.8	6.4	4.3	5.2	11.5	9.8	11.8	13.5	13.9	14.1
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.3	8.2	3.5	5.4	5.9	5.2	5.1	9.6	10.1	10.5	8.3	7.9
	Industri lain	0.5	3.3	3.8	4.6	6.8	7.1	6.6	15.8	18.7	19.1	22.2	21.8
261.0	Pembuatan komponen dan papan elektronik	6.9	7.2	6.5	7.7	8.1	7.1	4.0	4.5	4.8	4.6	3.1	1.9
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya												
&													
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	5.9	6.1	5.1	7.7	5.9	4.1	1.7	2.3	2.2	2.4	2.2	0.9
26103	Pembuatan kapasitor dan perintang elektrik												
&													
26104	Pembuatan papan litar bercetak	9.5	10.0	9.5	9.1	12.4	12.1	7.5	8.0	8.4	7.6	4.5	3.0
&													
26105	Pembuatan komponen paparan												
26109	Pembuatan komponen lain untuk aplikasi elektronik	0.3	0.4	0.2	-1.4	1.5	2.8	2.9	3.1	4.7	4.9	2.5	3.0
262													
(26201 &													
26202)	Pembuatan komputer dan kelengkapan peranti	0.5	0.5	0.3	0.2	-0.3	-1.1	-1.7	-4.4	-2.4	-2.0	-3.7	-3.2
263/													
26300	Pembuatan peralatan komunikasi	8.6	6.7	6.6	6.7	5.9	4.7	-2.5	0.2	-0.6	1.2	1.1	0.3
264/													
26400	Pembuatan peralatan elektronik pengguna	0.8	0.6	0.9	-2.8	-2.1	-2.8	-5.2	-4.1	5.7	3.9	3.2	3.4
265.0	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	7.4	9.2	8.5	8.6	9.5	7.5	4.4	0.3	2.0	1.2	0.1	-0.1
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan												
&													
26512	Pembuatan kelengkapan kawalan proses perindustrian	8.2	10.4	10.0	10.1	12.1	10.8	6.9	2.0	3.1	2.0	0.3	0.2
26520	Pembuatan jam tangan dan jam dan bahagiannya	4.9	5.1	3.4	3.6	0.9	-3.1	-3.6	-5.3	-1.5	-1.6	-0.6	-1.1
266/													
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	2.2	1.5	1.8	2.2	2.1	1.4	-7.8	-5.2	-2.1	-3.1	-3.4	-3.1

2024												Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
-0.5	0.2	0.1	0.3	-0.8	-1.4	-1.3	-1.1	-1.3	-0.6	-1.1	-1.0	Manufacture of non-metallic mineral products
												Manufacture of refractory mortars and concretes
-8.6	-8.8	-9.3	-9.4	-11.2	-11.9	-10.5	-13.1	-11.4	-6.4	-6.1	-6.1	Manufacture of non-refractory ceramic
-16.5	-3.0	-1.5	-1.7	-5.3	-5.0	-4.2	-3.8	-4.2	-4.8	-7.1	-7.3	Manufacture of other porcelain and ceramic products
0.4	0.1	0.02	0.4	-0.02	-0.1	1.0	6.3	4.4	5.3	0.7	1.1	Manufacture of hydraulic cement
0.7	0.3	2.2	2.3	2.2	3.3	2.1	1.9	0.1	1.7	-0.4	0.7	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
-3.9	-3.8	-4.8	-4.1	-6.0	-6.6	-6.9	-6.6	-6.1	-5.6	-5.0	-4.8	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
15.0	14.0	13.6	12.1	12.9	9.3	9.5	15.0	13.8	9.9	10.0	9.9	Manufacture of other articles of concrete, cement and plaster n.e.c.
13.3	13.4	13.3	13.7	13.3	11.8	12.0	5.4	5.2	5.6	6.0	4.1	Manufacture of other non-metallic mineral products n.e.c.
												Other industry
5.4	7.5	7.0	6.8	5.9	5.9	5.8	5.0	5.1	3.8	3.4	3.4	Manufacture of basic iron and steel
-5.3	-8.1	-7.1	-6.9	-6.9	-5.0	-6.2	-4.3	-4.1	-4.8	-3.5	-3.3	Manufacture of basic precious and other non-ferrous metals
0.7	-0.7	-0.7	1.7	2.4	-0.6	3.6	-0.4	0.2	0.5	2.7	2.6	Casting of metals
2.0	1.2	1.7	3.1	1.5	4.4	4.5	4.1	3.7	4.0	2.4	2.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
												Manufacture of metal doors, windows and their frames, shutters and gates
5.0	4.2	5.2	6.7	4.4	8.6	7.7	6.0	5.9	7.1	5.4	5.1	Manufacture of other structural metal products
-6.5	-6.9	-7.5	-4.7	-5.0	-4.4	-3.4	-3.5	-3.0	-3.7	-5.7	-5.1	Manufacture of tanks, reservoirs and containers of metal
-0.9	-1.9	-2.2	-3.7	-3.6	-3.2	-0.2	3.7	1.7	-1.2	-1.9	-2.0	Other industry
5.4	4.3	4.6	5.3	5.4	5.0	4.6	4.9	3.1	2.3	2.4	2.2	Manufacture of other fabricated metal products; metal working service activities
												Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-1.1	-1.7	-0.8	1.9	2.1	2.0	2.1	2.4	2.6	1.8	1.7	3.5	Treatment and coating of metals; machining
-9.0	-11.8	-11.4	-11.4	-12.2	-13.4	-13.7	-13.8	-14.0	-16.0	-15.2	-14.1	Manufacture of tins and cans for food products, collapsible tubes and boxes
7.5	5.5	8.2	12.1	12.4	11.1	11.4	12.0	11.0	12.2	12.8	13.2	Manufacture of metal cable, plaited bands and similar articles
9.4	8.4	9.7	8.7	8.6	8.2	4.4	8.5	4.9	3.9	4.4	0.0	Manufacture of bolts, screws, nuts and similar threaded products
11.6	11.8	5.5	3.1	3.7	-1.3	-1.8	-1.3	-1.1	-1.1	2.8	2.9	Manufacture of metal household articles
7.8	5.9	7.3	7.8	8.1	8.0	8.7	8.9	7.2	5.8	5.9	6.1	Manufacture of any other fabricated metal products n.e.c.
20.9	21.6	17.8	16.0	16.1	17.4	18.8	10.1	4.9	5.4	3.3	3.6	Other industry
1.2	-1.6	-2.5	-3.1	-3.1	-2.9	-3.7	-5.4	-3.3	-2.6	-2.2	-2.2	Manufacture of electronic components and boards
												Manufacture of diodes, transistors and similar semiconductor devices
1.1	-1.5	-2.2	-4.3	-2.9	-2.4	-4.2	-7.2	-3.1	-2.6	-2.5	-1.9	Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
1.1	-2.5	-3.7	-2.3	-3.5	-3.7	-3.6	-3.4	-3.6	-2.4	-1.6	-2.5	Manufacture of printed circuit boards
												Manufacture of display components
3.4	3.5	2.7	2.4	-2.1	-2.1	-1.1	-2.1	-3.4	-3.1	-2.7	-3.0	Manufacture of other components for electronic applications
1.2	1.3	1.7	1.9	2.2	3.5	3.6	7.5	5.6	6.7	6.5	6.9	Manufacture of computers and peripheral equipment
0.2	0.3	0.6	0.8	1.0	0.4	5.8	5.8	5.0	4.3	4.9	4.3	Manufacture of communication equipment
3.6	4.0	4.4	4.5	5.0	4.6	6.2	-0.4	-0.1	1.1	7.8	4.7	Manufacture of consumer electronics
0.2	-0.7	-0.4	-0.1	0.8	3.7	2.6	3.6	4.3	5.7	5.2	4.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
0.3	-0.6	-0.4	-0.02	0.3	3.0	1.6	2.8	3.9	5.8	5.3	4.9	Manufacture of industrial process control equipment
-0.04	-0.8	-0.5	-0.5	2.7	6.1	6.4	6.4	6.0	5.2	4.6	4.2	Manufacture of watches and clocks and parts
-6.6	-5.9	-6.3	-6.2	-6.6	-6.5	-2.3	-1.8	-1.7	-0.4	0.2	0.6	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peraturan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.4	1.7	-7.1	6.0	-1.4	3.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.8	-1.6	1.3	3.2	2.4	0.8
27101	Pembuatan motor elektrik, penjana dan transformer	-2.3	0.7	1.0	-1.0	-2.1	1.3
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	6.8	-3.2	1.6	6.6	5.9	0.5
272/ 27200	Pembuatan bateri dan akumulator	8.3	-0.2	-4.0	1.6	3.3	1.0
273	Pembuatan pendawaian dan peranti pendawaian	-0.4	-2.3	4.2	1.6	-3.2	-1.1
27310	Pembuatan kabel gentian optikal	4.4	4.6	6.2	1.3	1.0	-6.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1.2	-3.9	4.4	3.2	-2.5	-0.2
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-23.7	19.5	0.6	-17.8	-14.5	-9.5
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.0	7.6	4.6	-0.5	-6.2	-3.4
275/ 27500	Pembuatan perkakasan domestik	-3.1	-0.5	-7.0	-1.2	1.2	0.4
279/ 27900	Pembuatan kelengkapan elektrik lain	3.1	-1.4	2.7	1.9	-1.1	1.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.6	-2.4	1.4	3.8	2.3	-0.1
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-1.0	-15.9	-14.8	2.1	5.5	-2.2
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.1	3.0	1.1	0.7	2.3	1.7
28192	Pembuatan jentera pembentukan logam dan alatan mesin						
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	15.3	-12.5	-1.8	9.4	6.7	-6.3
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-2.8	-9.4	3.4	-3.9	-1.2	-9.0
	Industri lain	6.3	0.8	3.9	6.1	1.7	2.5
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.5	1.3	-1.7	0.4	0.6	2.2
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	12.8	18.8	4.6	13.5	10.2	21.7
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	-1.7	0.4	1.9	0.8	-1.5
301 (30110 & 30120)	Pembinaan kapal dan bot	8.5	9.5	-1.4	7.2	8.4	10.0
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	2.6	-1.5	3.1	-0.1	-1.1	-3.4
30910	Pembuatan motosikal	3.4	10.0	7.3	4.6	3.3	9.2
30920	Pembuatan basikal dan invalid carriages	7.5	-54.4	8.1	-5.5	-14.2	-51.0
	Industri lain	0.8	1.9	-1.3	-2.6	-1.4	-2.0
310	Pembuatan perabot	0.6	6.1	1.8	0.5	1.0	3.0
31001	Pembuatan perabot kayu dan rotan	0.6	6.2	2.3	-0.3	0.1	3.2
	Industri lain	0.5	5.7	0.2	3.1	3.9	2.6
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	3.3	1.6	-15.0	14.5	10.2	4.1
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.6	3.5	3.8	2.1	0.9	4.4
32901	Pembuatan alat tulis	-2.2	-1.5	1.4	-1.2	-2.9	-0.2
	Industri lain	5.4	5.0	4.4	3.1	2.0	5.7
323/ 32300	Pembuatan barangan sukan	2.1	-22.6	-8.4	-1.1	-0.9	-18.6
324/ 32400	Pembuatan permainan dan mainan	8.2	-4.8	-0.02	2.3	-0.8	-7.6
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.1	3.6	0.2	1.7	1.3	4.2
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.5	5.3	-0.4	9.2	8.9	10.6
	Industri lain	1.6	3.3	0.3	0.3	-0.1	3.0
Jumlah Pembuatan		3.4	1.7	1.0	2.8	2.1	2.4

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
1.7	-2.1	-1.9	-10.7	-7.1	1.7	-7.1	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-1.6	-3.5	-1.3	-0.2	1.3	-1.6	1.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
0.7	-0.5	3.9	2.7	1.0	0.7	1.0	Manufacture of electric motors, generators and transformers
-3.2	-5.7	-5.0	-2.4	1.6	-3.2	1.6	Manufacture of electricity distribution and control apparatus
-0.2	1.8	1.2	-5.2	-4.0	-0.2	-4.0	Manufacture of batteries and accumulators
-2.3	-1.3	0.8	0.2	4.2	-2.3	4.2	Manufacture of wiring and wiring devices
4.6	2.0	5.0	3.9	6.2	4.6	6.2	Manufacture of fibre optic cables
-3.9	-2.1	0.2	-0.1	4.4	-3.9	4.4	Manufacture of other electronic and electric wires and cables
19.5	7.7	6.7	2.6	0.6	19.5	0.6	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
7.6	10.6	12.9	4.4	4.6	7.6	4.6	Manufacture of electric lighting equipment
-0.5	-0.8	-3.6	-7.5	-7.0	-0.5	-7.0	Manufacture of domestic appliances
-1.4	-3.1	-1.8	-0.4	2.7	-1.4	2.7	Manufacture of other electrical equipment
-2.4	-2.2	-2.3	0.2	1.4	-2.4	1.4	Manufacture of general-purpose and special-purpose machinery
-15.9	-24.7	-26.4	-20.6	-14.8	-15.9	-14.8	Manufacture of fluid power equipment
							Manufacture of other pumps, compressors, taps and valves
							Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
3.0	0.2	1.6	0.3	1.1	3.0	1.1	Manufacture of metal-forming machinery and machine tools
-12.5	-12.7	-12.4	-4.7	-1.8	-12.5	-1.8	Manufacture of air-conditioning machines, including for motor vehicles
-9.4	-10.4	-12.0	1.7	3.4	-9.4	3.4	Manufacture of other special-purpose machinery
0.8	4.5	3.9	4.0	3.9	0.8	3.9	Other industry
1.3	0.8	-0.7	-2.0	-1.7	1.3	-1.7	Manufacture of motor vehicles
18.8	10.8	7.4	6.4	4.6	18.8	4.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-1.7	-5.6	-0.5	0.3	0.4	-1.7	0.4	Manufacture of parts and accessories for motor vehicles
9.5	6.7	3.7	-1.8	-1.4	9.5	-1.4	Building of ships and boats
-1.5	-2.0	1.0	4.0	3.1	-1.5	3.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
10.0	5.4	9.6	6.5	7.3	10.0	7.3	Manufacture of motorcycles
-54.4	-54.2	-47.0	-4.3	8.1	-54.4	8.1	Manufacture of bicycles and invalid carriages
1.9	3.3	4.1	2.7	-1.3	1.9	-1.3	Other industry
6.1	5.1	3.4	2.3	1.8	6.1	1.8	Manufacture of furniture
6.2	4.9	3.0	1.6	2.3	6.2	2.3	Manufacture of wooden and cane furniture
5.7	6.0	4.9	4.6	0.2	5.7	0.2	Other industry
1.6	-6.2	-6.1	-7.8	-15.0	1.6	-15.0	Manufacture of jewellery, bijouterie and related articles
3.5	4.0	3.9	2.8	3.8	3.5	3.8	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-1.5	-1.0	-1.8	-0.7	1.4	-1.5	1.4	Manufacture of stationery
5.0	5.5	5.5	3.8	4.4	5.0	4.4	Other industry
-22.6	-9.1	-7.8	-7.9	-8.4	-22.6	-8.4	Manufacture of sports goods
-4.8	-1.7	-0.5	-2.1	-0.02	-4.8	-0.02	Manufacture of games and toys
3.6	1.9	0.4	0.2	0.2	3.6	0.2	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
5.3	3.8	1.9	0.1	-0.4	5.3	-0.4	Repair and maintenance of transport equipment except motorcycles and bicycles
3.3	1.6	0.1	0.2	0.3	3.3	0.3	Other industry
1.7	0.5	1.0	0.8	1.0	1.7	1.0	Total Manufacturing

Jadual
Table

1.5b : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	7.5	5.0	6.0	0.5	1.6	-1.4	-1.0	2.4	3.9	3.1	3.4	1.7
271.0	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.7	2.6	3.2	3.1	2.5	2.4	2.4	1.6	0.8	0.0	-0.5	-1.6
27101	Pembuatan motor elektrik, penjana dan transformer	-1.3	-1.3	-1.0	-1.1	-1.9	-2.1	-0.7	1.8	1.3	1.1	1.5	0.7
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.8	5.7	6.6	6.4	6.0	5.9	4.8	1.5	0.5	-0.8	-1.9	-3.2
272/ 27200	Pembuatan bateri dan akumulator	8.2	1.4	1.6	1.8	5.9	3.3	4.1	3.4	1.0	0.5	0.2	-0.2
273.0	Pembuatan pendawaian dan peranti pendawaian	-0.6	2.7	1.6	1.7	-3.0	-3.2	-2.6	-3.0	-1.1	-1.8	-3.9	-2.3
27310	Pembuatan kabel gentian optikal	5.9	6.3	1.3	1.6	1.3	1.0	-3.9	-6.0	-6.2	-3.3	6.8	4.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.6	4.3	3.2	3.1	-2.3	-2.5	-1.3	-2.1	-0.2	-1.2	-3.9	-3.9
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-18.6	-18.6	-17.8	-15.2	-14.1	-14.5	-17.8	-12.8	-9.5	-8.2	-9.8	19.5
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-2.8	-4.8	-0.5	-3.4	-4.6	-6.2	-6.8	-2.1	-3.4	-2.1	7.4	7.6
275/ 27500	Pembuatan perkakasan domestik	-3.2	-2.4	-1.2	-1.3	2.3	1.2	1.2	1.8	0.4	-2.0	1.2	-0.5
279/ 27900	Pembuatan kelengkapan elektrik lain	3.6	3.8	1.9	1.1	0.1	-1.1	-0.6	0.3	1.3	0.2	-1.8	-1.4
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.4	3.2	3.8	2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4
28120 & 28130	Pembuatan alat-alat kuasa bendalir	3.3	3.5	2.1	2.6	3.3	5.5	4.1	-2.2	-2.2	-1.9	-3.1	-15.9
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.0	-1.9	0.7	0.6	-0.1	2.3	2.5	1.2	1.7	1.9	2.7	3.0
28192	Pembuatan jentera pembentukan logam dan alatan mesin												
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	11.6	11.7	9.4	9.8	7.0	6.7	-5.4	-6.8	-6.3	-7.4	-10.2	-12.5
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-3.4	-3.3	-3.9	-3.2	-2.0	-1.2	-0.6	-10.5	-9.0	-9.4	-8.6	-9.4
	Industri lain	5.9	5.4	6.1	3.7	2.8	1.7	0.1	3.9	2.5	1.1	1.6	0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.0	0.7	0.4	1.7	4.1	0.6	1.0	2.0	2.2	2.8	2.7	1.3
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	13.0	13.6	13.5	11.4	11.7	10.2	12.6	23.7	21.7	22.3	23.1	18.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.5	1.7	1.9	1.3	1.4	0.8	1.3	-1.4	-1.5	-1.7	-1.9	-1.7
301 (30110 & 30120)	Pembinaan kapal dan bot	9.6	10.1	7.2	7.5	8.6	8.4	8.1	8.5	10.0	6.6	8.1	9.5
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	0.7	-0.2	-0.1	-0.6	-0.6	-1.1	0.2	-2.5	-3.4	-1.9	-2.0	-1.5
30910	Pembuatan motosikal	3.7	3.8	4.6	4.1	3.0	3.3	11.6	8.2	9.2	11.3	10.6	10.0
30920	Pembuatan basikal dan invalid carriages	-2.7	-4.4	-5.5	-6.7	-10.5	-14.2	-26.1	-43.7	-51.0	-54.1	-55.2	-54.4
	Industri lain	-1.0	-2.4	-2.6	-2.9	-0.9	-1.4	-2.3	-1.1	-2.0	0.2	0.8	1.9
310.0	Pembuatan perabot	0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1
31001	Pembuatan perabot kayu dan rotan	0.0	0.0	-0.3	-0.2	0.6	0.1	2.1	3.5	3.2	4.8	5.1	6.2
	Industri lain	3.6	2.7	3.1	2.4	3.8	3.9	3.7	1.7	2.6	4.8	7.5	5.7
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	8.6	9.1	14.5	11.2	11.8	10.2	4.0	3.0	4.1	3.4	1.8	1.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	2.9	2.3	2.1	0.8	1.1	0.9	4.0	4.1	4.4	5.1	4.9	3.5
32901	Pembuatan alat tulis	-1.2	-3.6	-1.2	-2.0	-2.0	-2.9	-3.6	-0.5	-0.2	-0.2	-0.3	-1.5
	Industri lain	4.2	4.2	3.1	1.6	2.0	2.0	6.3	5.4	5.7	6.7	6.5	5.0
323/ 32300	Pembuatan barangan sukan	-1.7	-2.3	-1.1	-1.9	-2.2	-0.9	-1.3	-17.6	-18.6	-20.9	-18.0	-22.6
324/ 32400	Pembuatan permainan dan mainan	5.7	2.4	2.3	3.9	2.4	-0.8	-14.4	-6.2	-7.6	-6.2	-6.5	-4.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.2	2.4	1.7	1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	9.9	11.8	9.2	10.5	8.6	8.9	9.5	12.0	10.6	8.4	7.6	5.3
	Industri lain	0.7	0.6	0.3	-0.3	0.3	-0.1	1.8	2.8	3.0	2.6	2.6	3.3
Jumlah Pembuatan		3.0	3.3	2.8	2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
-5.7	-4.0	-2.1	0.7	-2.1	-1.9	-3.4	-10.4	-10.7	-10.7	-7.2	-7.1	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-2.0	-3.1	-3.5	-1.6	-0.2	-1.3	1.1	0.1	-0.2	2.3	0.8	1.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-1.6	-1.1	-0.5	2.8	3.8	3.9	3.6	3.6	2.7	2.6	1.1	1.0	Manufacture of electric motors, generators and transformers
-2.2	-4.6	-5.7	-4.7	-3.1	-5.0	-0.7	-2.6	-2.4	2.1	0.5	1.6	Manufacture of electricity distribution and control apparatus
-0.1	1.9	1.8	2.6	2.4	1.2	0.5	-0.6	-5.2	-6.0	-2.7	-4.0	Manufacture of batteries and accumulators
0.1	-2.0	-1.3	-1.8	1.8	0.8	0.7	0.7	0.2	2.9	3.3	4.2	Manufacture of wiring and wiring devices
3.6	2.6	2.0	2.9	3.0	5.0	4.7	4.5	3.9	3.5	3.6	6.2	Manufacture of fibre optic cables
-0.8	-3.1	-2.1	-2.5	1.5	0.2	0.1	0.1	-0.1	2.9	3.6	4.4	Manufacture of other electronic and electric wires and cables
11.7	11.3	7.7	5.4	5.7	6.7	6.6	6.9	2.6	2.3	-0.7	0.6	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
10.4	10.0	10.6	10.6	12.5	12.9	11.2	5.6	4.4	4.9	5.7	4.6	Manufacture of electric lighting equipment
-0.3	-1.6	-0.8	0.1	-3.3	-3.6	-3.8	-7.1	-7.5	-7.4	-7.7	-7.0	Manufacture of domestic appliances
-2.2	-2.8	-3.1	-2.2	-1.6	-1.8	-3.3	-2.8	-0.4	0.6	2.7	2.7	Manufacture of other electrical equipment
-2.3	-2.1	-2.2	-2.4	-2.5	-2.3	0.4	0.1	0.2	0.6	0.8	1.4	Manufacture of general-purpose and special-purpose machinery
												Manufacture of fluid power equipment
-24.1	-24.9	-24.7	-24.1	-23.7	-26.4	-25.1	-19.8	-20.6	-20.2	-20.4	-14.8	Manufacture of other pumps, compressors, taps and valves
												Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
4.4	5.7	0.2	0.3	0.5	1.6	2.4	2.1	0.3	1.2	2.2	1.1	Manufacture of metal-forming machinery and machine tools
-13.0	-14.0	-12.7	-10.0	-12.8	-12.4	-4.4	-4.9	-4.7	-3.5	-2.7	-1.8	Manufacture of air-conditioning machines, including for motor vehicles
-10.1	-10.9	-10.4	-12.0	-11.9	-12.0	-12.1	-2.5	1.7	2.7	3.3	3.4	Manufacture of other special-purpose machinery
2.1	2.3	4.5	3.6	3.9	3.9	7.3	3.6	4.0	3.9	3.5	3.9	Other industry
1.8	3.8	0.8	1.0	-1.2	-0.7	-1.1	-0.7	-2.0	-0.3	-0.5	-1.7	Manufacture of motor vehicles
16.2	10.3	10.8	10.1	10.2	7.4	7.1	7.1	6.4	3.5	4.6	4.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-1.1	-2.8	-5.6	0.9	-0.4	-0.5	-0.01	0.5	0.3	1.1	0.3	0.4	Manufacture of parts and accessories for motor vehicles
7.3	6.9	6.7	6.6	4.6	3.7	0.8	-0.6	-1.8	-1.9	-3.7	-1.4	Building of ships and boats
-2.0	-2.4	-2.0	-0.6	0.6	1.0	2.8	2.2	4.0	2.3	3.8	3.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
6.5	5.1	5.4	8.6	10.7	9.6	10.1	6.0	6.5	3.5	6.4	7.3	Manufacture of motorcycles
-53.9	-53.9	-54.2	-54.0	-50.4	-47.0	-37.5	-15.3	-4.3	3.6	8.0	8.1	Manufacture of bicycles and invalid carriages
2.8	3.0	3.3	3.5	3.3	4.1	3.6	1.4	2.7	1.0	1.0	-1.3	Other industry
4.6	5.0	5.1	5.7	5.1	3.4	2.8	2.9	2.3	1.9	1.6	1.8	Manufacture of furniture
4.2	4.8	4.9	5.3	5.0	3.0	1.9	1.8	1.6	1.7	1.7	2.3	Manufacture of wooden and cane furniture
5.8	5.7	6.0	6.9	5.4	4.9	5.8	6.9	4.6	2.7	1.5	0.2	Other industry
-4.8	-9.3	-6.2	-6.6	-5.9	-6.1	-6.4	-4.7	-7.8	-7.0	-7.8	-15.0	Manufacture of jewellery, bijouterie and related articles
3.3	4.4	4.0	4.4	3.7	3.9	2.6	2.5	2.8	2.8	3.0	3.8	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-3.8	-1.1	-1.0	-0.4	-3.9	-1.8	-1.5	-0.8	-0.7	-1.5	0.9	1.4	Manufacture of stationery
5.4	6.0	5.5	5.7	5.9	5.5	3.7	3.4	3.8	4.0	3.6	4.4	Other industry
-18.5	-15.1	-9.1	-6.7	-6.2	-7.8	-7.2	-7.9	-7.9	-8.0	-10.6	-8.4	Manufacture of sports goods
-3.8	-3.1	-1.7	-1.8	-1.6	-0.5	9.8	-0.4	-2.1	-1.5	0.1	0.0	Manufacture of games and toys
2.3	1.8	1.9	1.1	0.3	0.4	0.2	1.1	0.2	0.4	0.2	0.2	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.7	1.4	3.8	2.1	2.0	1.9	3.6	2.0	0.1	0.1	-0.3	-0.4	Repair and maintenance of transport equipment except motorcycles and bicycles
2.6	1.9	1.6	0.9	0.0	0.1	-0.4	0.9	0.2	0.4	0.3	0.3	Other industry
1.3	0.6	0.5	1.0	0.9	1.0	1.3	1.0	0.8	0.9	1.0	1.0	Total Manufacturing

Jadual
Table

1.5c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	1.8	3.3	3.9	-1.3	2.1	-2.8	5.1	-0.1	2.9	-0.3	-0.8	3.4	0.2	-0.4	-1.6
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-0.3	0.5	-0.4	1.6	0.2	-1.4	-0.1	1.7	2.6	-0.6	-0.5	0.2	-0.05	0.5
	10201 Pengetinan ikan, krustasea dan moluska															
	&															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-1.0	-0.1	-0.5	1.1	0.3	-3.0	0.2	1.7	2.7	-0.6	-0.7	0.3	-0.5	1.5
	Industri lain	3.5	3.5	3.6	-0.2	4.1	-0.2	6.7	-1.6	2.0	2.0	-0.5	0.8	0.02	2.7	-5.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.8	2.8	-3.3	-3.3	6.5	-3.6	-6.6	-2.0	3.5	2.3	-0.2	0.5	2.8	-0.4	-1.0
	10303 Pengetinan nanas															
	&															
	10304 Pembuatan jem, marmalad dan sajian jeli	-8.3	-1.5	1.8	-0.02	2.4	-2.9	-3.4	-1.4	-8.9	0.4	0.2	-0.4	0.6	-1.6	3.3
	Industri lain	6.7	3.1	-3.6	-3.5	6.8	-3.6	-6.7	-2.0	4.3	2.5	-0.2	0.6	2.9	-0.4	-1.2
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.4	0.3	4.4	0.4	-0.7	1.4	0.8	1.1	0.7	0.9	-0.2	-0.6	0.3	0.5	1.1
	10404 Pembuatan minyak sayuran mentah dan bertapis															
	&															
	10406 Pembuatan sebatian lemak masakan	1.8	0.4	7.8	0.3	2.8	1.4	2.3	0.2	0.9	0.2	0.7	-0.6	0.4	0.6	0.5
	10405 Pembuatan minyak kelapa	0.6	0.0	3.0	-0.1	1.4	-0.2	-0.1	-0.3	0.3	0.0	0.3	-0.1	0.1	0.0	-0.6
	Industri lain	1.4	0.3	4.3	0.5	-0.9	1.4	0.7	1.2	0.7	1.0	-0.2	-0.6	0.3	0.5	1.2
105	Pembuatan produk tenusu	0.3	-0.6	3.6	0.8	1.9	-1.0	1.5	-0.5	0.5	-0.2	0.03	0.5	-1.4	0.2	0.6
	10502 Pembuatan susu pekat, tepung dan sejat	0.04	-1.21	2.82	0.3	3.4	-2.2	0.7	-0.8	0.4	-0.2	-0.2	1.6	-2.6	-0.2	0.8
	Industri lain	1.1	0.8	5.6	2.3	-1.7	2.2	3.3	0.1	0.7	-0.1	0.6	-2.3	2.0	1.2	0.2
106	Pembuatan produk bijian, kanji dan produk berkanji	1.3	-0.7	2.2	0.3	-1.8	-1.1	5.5	-1.9	0.5	1.5	-0.7	-1.0	0.5	-0.2	-0.2
	10611 Pengilangan beras	2.1	-2.2	1.7	0.2	0.7	-2.4	7.7	-3.4	0.9	1.9	-0.7	-1.8	0.6	-0.9	-0.4
	10613 Pengilangan tepung	1.8	0.7	3.1	0.4	-4.4	0.3	4.8	-0.1	0.1	2.3	-0.5	-0.3	0.4	0.6	-0.2
	Industri lain	-6.1	0.2	0.5	-0.2	-2.2	-0.8	-3.2	-3.3	0.3	-4.6	-1.8	0.2	0.7	-0.6	1.4
107	Pembuatan produk makanan lain	2.0	0.8	4.9	1.0	0.2	-0.1	3.2	-0.3	1.8	0.6	-0.4	0.9	0.2	-0.3	1.0
	10711 Pembuatan biskut dan cookies	1.8	-1.0	1.6	0.4	-3.1	1.0	4.9	-1.6	2.3	1.5	-2.0	-0.5	-0.1	-0.4	0.3
	10712 Pembuatan roti, kek dan produk bakeri lain	1.7	1.3	3.8	1.1	-0.6	2.4	3.2	-1.1	0.9	0.3	0.5	1.5	-0.4	0.2	3.4
	10713 Pembuatan produk snek	0.1	1.2	2.7	4.5	-0.4	0.9	2.4	-0.6	0.2	0.4	-0.4	0.5	0.8	-0.1	-1.2
	10721 Pembuatan gula	0.9	1.3	5.3	-2.2	-0.4	0.0	-1.0	1.0	0.2	0.0	0.8	0.6	1.1	-0.4	0.1
	10731 Pembuatan produk koko	-1.6	3.6	0.9	0.3	-2.8	-6.5	-1.0	1.0	0.1	1.1	-2.7	-0.1	2.9	0.8	0.1
	10732 Pembuatan coklat dan produk coklat															
	&															
	10733 Pembuatan konfeksi gula	0.8	0.4	7.7	0.8	0.6	-1.4	1.2	0.6	3.3	-1.9	-0.5	0.8	-0.1	-0.3	1.7
	10793 Pembuatan sos dan bahan perasa	2.9	0.2	6.6	5.8	3.2	-3.1	11.3	0.9	2.0	0.1	0.8	0.4	-0.6	0.4	-0.8
	10799 Pembuatan produk makanan lain t.t.t.l.	2.3	4.4	14.7	-2.1	2.4	-1.6	3.8	-1.0	3.3	-0.6	-0.4	4.7	1.3	-1.6	2.1
	Industri lain	2.9	-0.5	2.5	0.6	0.4	-0.3	0.5	0.5	1.8	1.8	-0.7	-0.2	0.3	-0.6	-0.1
108/ 10800	Pembuatan makanan haiwan tersedia	0.2	-2.7	-6.1	-4.2	2.1	-1.1	-1.0	1.9	0.2	0.4	-0.4	-3.1	0.04	0.4	-1.0
110	Pembuatan minuman ringan	2.4	0.6	-1.6	1.2	1.9	1.2	-2.2	1.7	1.3	0.8	0.3	0.4	0.2	-0.1	0.5
	11041 Pembuatan minuman ringan	1.2	1.0	-2.2	1.0	1.6	1.8	-2.3	1.8	-0.05	0.9	0.3	0.6	0.1	0.2	0.5
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	7.0	-0.6	-1.6	0.2	3.3	-0.2	-1.5	1.4	5.6	0.1	1.3	0.0	0.3	-0.9	0.4
	Industri lain	0.03	0.9	2.4	4.6	1.1	1.0	-3.3	1.5	-0.2	1.8	-1.6	0.4	0.3	0.2	0.5
120/ 12000	Pembuatan produk tembakau	17.5	-13.4	1.4	-0.9	5.7	-6.0	1.8	0.3	5.2	11.4	0.3	-12.0	-0.6	-1.0	-2.2
131	Pemintalan, penenunan dan penyiapan tekstil	1.7	-0.5	1.6	-1.6	2.0	1.9	1.1	-0.9	1.1	-0.7	1.3	-0.5	1.1	-1.1	-1.4
	13110 Penyediaan dan pemintalan gentian tekstil															
	&															
	13120 Penenunan tekstil	2.4	-0.7	3.2	-1.6	2.9	1.9	-3.1	0.3	1.2	-1.0	2.2	-0.2	0.3	-0.8	0.5
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-1.9	0.3	-2.5	-0.5	-0.7	2.0	12.0	-3.6	-0.3	-0.8	-0.8	-0.4	2.3	-1.6	-5.8
	Industri lain	19.4	-3.5	4.0	-9.3	4.9	1.8	3.7	-1.9	11.4	4.0	3.1	-5.3	5.1	-3.1	-1.8
139	Pembuatan tekstil lain	0.2	2.2	0.03	-0.5	-1.6	0.4	0.04	-0.5	0.6	-1.0	0.6	1.2	1.3	-0.2	-0.4
	13910 Pembuatan fabrik dikait dan dikrusye	-3.0	0.7	-1.1	-1.1	-2.2	2.7	-1.2	-0.3	-0.3	-0.3	-2.4	1.3	0.1	-0.7	-0.9
	Industri lain	2.2	3.2	0.7	-0.2	-1.2	-0.9	0.8	-0.6	1.1	-1.4	2.5	1.1	2.0	0.1	-0.04
141	Pembuatan pakaian, kecuali pakaian berbulu	0.7	0.2	-2.0	3.7	1.6	-0.9	-1.8	-0.3	0.6	-0.1	0.2	0.2	0.5	-0.4	-1.3
	14102 Pembuatan pakaian	0.6	-0.3	-2.3	4.7	2.2	-0.9	-2.4	-0.3	1.1	-0.9	0.4	-0.2	0.6	-0.7	-1.4
	Industri lain	1.0	1.6	-1.0	0.9	-0.2	-0.7	-0.1	-0.3	-0.7	2.0	-0.2	1.3	0.0	0.3	-0.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	8.1	-0.2	2.5	-1.9	0.6	-0.3	1.0	-5.1	2.5	3.5	1.9	0.0	0.4	-0.6	-0.6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	3.2	-4.7	2.7	-1.6	-2.2	-1.8	5.0	-1.8	1.7	1.4	0.2	-2.9	0.3	-2.2	-1.3
152	Pembuatan kasut	3.9	1.3	-0.9	0.8	2.0	1.0	0.1	1.8	3.1	2.4	-1.6	-0.3	1.1	0.5	-0.6
	15201 Pembuatan kasut kulit															
	&															
	15203 Pembuatan kasut getah	0.3	-2.5	-0.2	1.6	0.3	-0.1	-1.2	1.6	3.9	-1.4	-2.1	-1.8	-0.7	0.1	-0.6
	Industri lain	8.4	5.8	-1.5	-0.03	3.8	2.1	1.5	2.0	2.0	7.3	-1.0	1.5	3.3	0.9	-0.5
161/ 16100	Pengilangan dan pengetaman kayu	0.5	-2.4	0.04	-0.8	-0.7	-0.4	1.0	0.8	2.5	-0.04	-1.9	-1.9	1.6	-2.0	-1.0

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
0.4	5.1	0.4	-0.1	-1.6	1.1	0.6	0.3	-0.5	0.3	-2.6	0.6	0.01	4.5	-0.2	-0.2	0.3	Processing and preserving of meat
-1.6	1.6	-0.4	-0.8	0.8	2.7	-0.4	-0.7	1.3	0.1	-1.2	-1.0	-1.6	1.2	-1.6	0.1	1.4	Processing and preserving of fish, crustaceans and molluscs
-3.2	1.7	0.1	-1.5	0.9	2.7	-0.9	-0.7	1.4	0.2	-1.2	-1.4	-3.1	1.6	-1.0	-0.6	1.9	Canning of fish, crustaceans and molluscs
7.7	1.4	-2.9	2.8	0.1	2.7	2.1	-0.7	0.8	-0.3	-0.8	1.2	5.6	-0.3	-4.1	3.5	-0.8	Processing, curing and preserving of fish, crustacean and molluscs
-4.7	2.4	0.0	-1.6	-1.7	3.7	2.0	0.7	-0.5	-2.3	-0.9	-2.2	-1.3	-3.2	-0.8	-1.0	-0.2	Other industry
-2.4	1.0	0.3	-0.9	0.5	-4.1	10.0	-2.9	0.7	-4.1	0.6	-0.2	-2.0	-1.2	-1.3	0.2	-0.2	Processing and preserving of fruits and vegetable
-4.9	2.5	-0.02	-1.7	-1.8	4.2	1.6	0.9	-0.5	-2.2	-1.0	-2.3	-1.2	-3.3	-0.8	-1.1	-0.2	Pineapple canning
0.7	2.5	0.5	-0.04	-0.01	-0.1	-0.4	-0.1	0.3	0.5	0.6	1.0	-0.1	-0.1	-0.05	0.7	0.5	Manufacture of jams, marmalades and table jellies
6.3	0.9	0.3	-0.1	0.1	-1.2	3.7	0.3	1.9	-0.2	-0.4	0.04	2.7	-0.5	0.5	-0.3	0.02	Manufacture of vegetable and animal oils and fats
1.6	2.0	0.0	-0.4	0.3	1.4	0.1	-0.1	0.0	0.1	-0.3	0.3	-0.1	-0.2	0.1	-0.5	0.0	Manufacture of crude and refined vegetable oil
0.4	2.6	0.5	-0.03	-0.03	-0.1	-0.7	-0.1	0.2	0.5	0.7	1.1	-0.3	-0.1	-0.1	0.8	0.5	Manufacture of compound cooking fats
1.2	1.7	0.1	0.6	0.2	1.1	-0.6	1.5	0.1	0.8	-1.8	0.2	1.3	-0.1	-0.4	0.1	-0.3	Manufacture of coconut oil
1.1	0.9	-0.3	0.3	0.3	2.1	-0.9	2.3	-0.1	0.9	-3.0	0.2	1.0	-0.5	-0.7	0.1	-0.2	Manufacture of dairy products
1.6	3.7	1.2	1.3	-0.3	-1.4	0.05	-0.4	0.8	0.4	1.0	0.3	2.0	1.1	0.4	0.1	-0.4	Manufacture of condensed, powdered and evaporated milk
-1.9	4.4	-0.1	0.3	-0.02	0.7	-2.3	-0.2	-0.6	-0.3	-0.2	-1.0	1.5	5.0	-0.4	-0.5	-1.0	Other industry
-3.0	5.2	0.0	0.8	-0.6	1.7	0.5	-1.4	-0.8	-0.3	-1.3	-0.5	2.1	6.0	-0.9	-1.7	-0.8	Manufacture of grain mill products, starches and starch products
-0.5	3.9	0.1	-0.3	0.6	0.05	-5.5	1.1	-0.3	-0.2	0.8	-1.8	1.6	4.9	0.4	0.9	-1.4	Rice milling
-3.3	2.4	-1.5	1.0	0.3	-2.0	-0.4	0.2	-1.5	-0.8	1.4	0.4	-2.9	-0.8	-2.5	-0.8	-0.1	Flour milling
2.1	1.7	0.9	-0.1	0.2	1.1	-0.4	-0.5	0.7	0.1	-0.9	1.3	1.2	0.7	0.3	-0.2	-0.4	Other industry
0.5	0.8	-0.4	0.4	0.3	0.4	-1.1	-2.4	-0.1	1.2	0.02	3.0	0.9	0.9	-0.5	-0.3	-0.8	Manufacture of other food products
-1.1	1.5	1.2	-0.1	0.1	0.6	0.1	-1.4	3.2	0.1	-0.8	2.4	0.6	0.2	-0.4	-0.2	-0.5	Manufacture of biscuits and cookies
2.6	1.3	0.7	2.0	1.8	1.7	-1.6	-0.5	-0.1	0.5	0.5	0.7	-0.2	2.0	0.4	0.3	-1.3	Manufacture of bread, cakes and other bakery products
4.3	0.8	0.4	-2.5	-0.1	0.2	0.2	-0.8	-0.2	0.3	-0.1	-0.3	-0.3	-0.3	-0.5	0.2	1.4	Manufacture of snack products
-0.5	1.3	0.8	-0.3	-0.2	0.3	-0.2	-2.9	-1.5	-4.4	-0.7	-0.4	-0.7	0.2	0.4	0.3	0.4	Manufacture of sugar
5.2	0.7	0.9	0.8	-0.9	1.5	-0.6	-0.3	-0.8	0.3	-0.9	1.1	-1.1	1.3	0.9	-0.3	-0.1	Manufacture of cocoa products
5.9	1.4	0.9	5.4	-0.5	2.4	-0.2	1.1	0.2	-1.0	-2.3	1.3	9.5	0.3	1.0	0.03	-0.2	Manufacture of chocolate and chocolate products
8.8	3.3	2.1	-4.9	0.9	2.5	0.3	-0.4	-0.3	0.1	-1.5	1.9	-0.2	2.1	-0.2	-0.5	-0.3	Manufacture of sugar confectionery
0.8	1.9	0.8	-0.2	0.03	0.7	-0.7	0.4	0.2	0.4	-1.0	-0.2	0.7	0.1	1.2	-0.5	-0.2	Manufacture of sauces and condiments
-3.8	-1.4	-0.9	1.0	-4.3	1.7	0.1	0.2	0.1	0.1	-1.4	-0.2	0.8	-1.6	1.0	0.4	0.6	Manufacture of other food products n.e.c.
-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	0.5	0.9	0.1	0.3	-0.4	-2.0	0.2	0.8	-0.3	1.1	Other industry
-3.1	0.4	0.3	-0.1	0.8	0.8	-0.2	0.9	1.0	0.1	0.7	-0.3	-2.6	0.6	0.8	-0.2	1.3	Manufacture of prepared animal feeds
-2.2	0.2	1.0	-1.2	0.4	3.6	0.1	-0.3	0.3	0.5	-1.0	-0.2	-1.4	0.2	0.8	-0.05	0.6	Manufacture of beverages
1.0	0.8	0.6	-0.5	4.5	-0.1	1.1	0.1	1.4	-0.9	0.4	-0.8	-0.4	-2.1	0.8	-0.9	1.7	Manufacture of soft drinks
-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	0.9	-5.7	-0.8	0.5	-0.5	-5.3	8.1	0.1	-0.8	1.0	Production of natural mineral waters and other bottled waters
2.7	0.3	-0.4	-0.5	-0.8	-0.4	-0.2	2.7	0.9	2.1	-1.0	0.7	0.1	0.3	-1.1	0.2	-0.1	Other industry
2.6	0.1	-0.5	-0.1	-1.0	-0.6	-0.2	3.7	1.7	1.6	-1.4	-1.2	-1.1	-0.9	-0.4	0.5	0.2	Manufacture of tobacco products
2.7	0.8	0.2	-0.4	-0.3	-0.1	-0.3	-0.2	-1.2	2.9	0.3	6.4	2.4	2.8	-2.4	-0.4	-0.8	Spinning, weaving and finishing of textiles
4.4	1.5	-1.8	-8.5	0.9	1.3	0.0	3.6	0.0	5.4	-3.3	-3.4	3.4	3.8	-1.9	0.0	0.0	Preparation and spinning of textile fibres
0.4	0.03	-0.2	-0.2	-0.2	1.4	-2.9	-0.1	0.1	1.1	-0.8	-1.3	1.2	0.1	0.1	-0.5	-0.1	Weaving of textiles
0.6	-0.8	-0.2	-0.2	-0.8	1.1	-3.6	0.3	0.3	3.2	-0.8	-1.1	1.2	-1.3	-0.3	-0.04	-0.02	Dyeing, bleaching, printing and finishing of yarns and fabrics
0.3	0.5	-0.2	-0.2	0.2	1.6	-2.4	-0.3	-0.03	-0.1	-0.7	-1.4	1.2	1.0	0.3	-0.7	-0.1	Other industry
-1.6	0.9	-1.0	4.2	0.5	0.9	0.2	0.4	-0.4	0.4	-0.9	-0.9	-2.2	1.3	-1.5	0.6	0.7	Manufacture of other textiles
-1.9	1.0	-0.6	4.7	0.7	1.3	0.3	0.7	-0.6	0.7	-1.0	-0.7	-3.1	1.4	-1.8	0.8	0.8	Manufacture of wearing apparel, except fur
-0.7	0.5	-1.9	2.9	0.0	0.1	-0.03	-0.3	0.2	-0.4	-0.5	-1.4	0.2	1.1	-0.7	-0.01	0.5	Manufacture of clothings
2.5	0.6	-6.4	5.8	-0.9	0.7	-0.2	0.1	2.5	-0.5	-2.2	-0.4	-1.3	2.7	-5.1	0.5	-0.5	Other industry
1.4	2.7	0.6	-0.7	-1.4	-0.6	-0.4	-1.2	-0.3	-0.3	-1.2	0.6	1.3	2.9	-0.1	-0.5	-1.2	Manufacture of articles of fur, knitted and crocheted apparel
-1.7	1.4	1.8	-0.5	-0.4	1.6	1.2	-0.8	-0.3	1.5	-0.1	-1.0	-0.5	1.5	1.2	0.8	-0.1	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-0.03	0.4	1.7	0.3	-0.4	2.9	-0.6	-1.9	-1.2	1.2	-0.04	-1.7	0.5	-0.03	1.2	1.1	-0.7	Manufacture of footwear
-3.4	2.5	1.9	-1.5	-0.4	0.1	3.4	0.3	0.6	1.8	-0.3	-0.2	-1.5	3.2	1.1	0.4	0.4	Manufacture of leather footwear
1.7	-0.7	0.6	0.5	-1.9	-1.0	-1.2	1.5	0.2	1.6	-2.1	-1.1	3.1	-0.9	0.4	0.4	-0.1	Manufacture of rubber footwear
																	Other industry
																	Sawmilling and planning of wood

Jadual
Table **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-1.8	0.5	0.9	1.7	-2.9	2.9	-0.6	1.0	-0.1	1.0	-2.6	-0.3	2.1	-1.4	0.1
16211	Pembuatan kepingan venier dan papan lapis	-2.6	0.5	2.9	2.3	-4.5	3.8	2.2	1.4	-1.0	1.0	-2.5	-1.0	3.3	-1.7	1.6
16212	Pembuatan papan partikel dan papan gentian	-1.2	3.4	8.4	-2.2	0.7	4.4	-1.1	-0.8	-2.3	1.8	-0.7	-1.3	4.7	0.2	-0.1
16221	Pertukangan kayu untuk jurubina	-1.7	0.03	-9.3	-0.01	-0.2	-1.9	-7.0	-3.1	1.3	1.5	-4.4	1.2	-0.2	-1.0	-2.1
	Industri lain	0.2	-0.9	-0.3	3.2	-2.0	3.2	-3.7	3.7	2.3	-0.01	-2.0	1.1	-0.4	-1.5	-2.4
170	Pembuatan kertas dan produk kertas	1.1	-2.8	1.7	1.2	1.0	-3.0	1.4	1.3	0.3	1.0	-0.2	-1.2	-1.4	-0.3	-0.9
17010	Pembuatan pulpa, kertas dan kertas tebal	0.8	-9.2	1.3	5.3	2.8	-5.8	3.5	5.7	0.1	1.5	-0.8	0.2	-9.4	-0.04	-0.1
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	0.1	-2.2	0.3	0.4	-0.4	-2.8	1.3	0.1	-0.5	0.7	-0.1	-2.4	0.2	0.04	-1.3
17091	Pembuatan sampul surat dan kad surat	5.7	-1.1	0.5	-0.8	-2.7	-2.3	0.2	2.3	3.1	3.0	-0.5	-1.6	1.4	-0.9	0.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-0.9	-1.9	8.1	0.02	-0.1	-4.2	2.0	0.1	0.8	-0.8	-0.9	-0.5	-0.02	-1.4	-1.6
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.8	-0.6	-4.2	0.2	5.0	-0.02	-4.0	0.2	0.4	4.2	0.2	0.2	-0.7	-0.04	-0.5
	Industri lain	3.4	-0.4	4.5	2.1	1.8	-1.3	5.1	2.4	2.3	0.1	1.0	-0.9	0.4	0.04	0.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.3	-1.9	-0.04	3.4	-4.1	-0.5	1.5	4.1	0.2	-0.5	0.6	-1.0	1.1	-2.0	-0.1
18110	Percetakan	0.3	-1.2	0.03	3.2	-4.4	-1.1	2.3	3.9	0.2	-0.7	0.9	-0.4	1.4	-2.2	-0.2
18120	Aktiviti perkhidmatan berkaitan percetakan	0.1	-5.1	-0.4	4.4	-2.4	2.0	-2.4	4.8	0.3	0.2	-0.5	-3.9	-0.4	-0.8	0.3
18200	Penerbitan semula media rakaman															
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	3.8	-1.8	0.3	1.5	1.9	-2.6	-0.2	1.5	-0.2	1.2	2.8	-1.3	-0.2	-0.3	0.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.0	-2.0	-2.9	1.3	3.0	-0.3	0.4	2.1	1.6	1.1	1.3	-3.1	0.8	0.4	-3.8
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	8.8	-2.5	0.6	2.2	7.7	1.8	1.5	3.2	3.0	0.2	5.5	-5.7	4.1	-0.6	-0.3
20112 & 20113	Pembuatan kimia organik asas	2.7	-2.3	-3.3	1.1	2.2	-0.8	1.2	2.2	0.4	1.1	1.1	-3.5	0.3	1.0	-4.4
20121 & 20129	Pembuatan sebatian bukan organik	9.2	-4.4	-9.5	-0.4	2.7	-0.9	-2.7	-0.6	3.5	4.1	1.3	-5.0	0.4	0.1	-7.6
20121 & 20129	Pembuatan baja	0.1	0.2	-0.4	2.1	1.9	-0.6	0.2	2.5	1.4	-0.9	-0.3	-0.2	-0.2	0.6	-1.8
20131	Pembuatan produk campuran nitrogen	5.3	-0.1	-0.2	1.5	3.5	0.0	1.6	3.9	2.7	2.5	0.1	-1.0	1.5	-0.6	-4.4
20131	Pembuatan plastik dalam bentuk primer															
	Industri lain															
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	1.3	-4.0	-0.8	0.9	0.9	-1.2	-3.6	1.0	0.0	-0.4	1.7	-2.1	-0.9	-1.0	0.9
20210	Pembuatan racun perosak dan produk agrokimia lain	5.8	-2.6	6.5	3.8	1.2	1.0	6.7	1.8	2.1	1.8	1.7	-1.1	0.4	-1.9	0.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	5.5	-3.2	-2.4	1.9	5.7	-4.2	-2.9	1.5	4.1	-4.5	6.1	-3.2	0.2	-0.3	-0.5
20222	Pembuatan dakwat cetak	5.4	0.3	-1.7	0.7	2.4	0.4	-6.4	-0.4	1.4	-0.1	4.0	0.1	0.1	0.1	0.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap	-1.8	-8.2	1.0	1.4	-0.8	-0.6	-3.2	0.3	-3.0	1.0	0.3	-3.6	-3.1	-1.7	2.4
20232	Pembuatan pewangi dan penyediaan dandanan diri															
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	0.3	-0.8	-2.6	-1.0	-0.7	-1.3	-6.3	1.8	0.7	-0.5	0.2	-0.7	0.4	-0.6	0.3
20292 & 20299	Pembuatan dakwat menulis dan melukis															
20299	Pembuatan produk kimia lain t.t.t.l.															
	Industri lain	12.0	-3.9	-31.9	-7.5	5.5	-5.1	-12.0	0.0	-1.7	9.8	3.8	-0.8	-0.3	-2.8	-0.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.6	3.8	4.9	-4.5	-2.3	2.7	4.7	-2.0	-1.9	0.4	-0.1	5.4	-1.2	-0.4	1.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-2.8	4.8	4.4	-4.9	-3.9	3.4	6.1	-1.4	-3.3	0.3	0.2	8.7	-2.7	-0.8	1.2
	Industri lain	1.5	1.4	6.2	-3.6	1.5	1.0	1.6	-3.4	1.5	0.7	-0.6	-2.1	2.8	0.7	3.6
221	Pembuatan produk getah	-0.6	-5.4	2.9	-0.8	-1.7	-3.8	3.9	-0.6	-1.5	0.3	0.6	-0.8	-1.6	-3.1	0.2
22111	Pembuatan tayar getah untuk kenderaan	1.8	4.6	-4.6	0.9	-0.4	-0.4	-2.2	-0.7	0.4	1.0	0.4	7.3	-0.2	-2.3	6.2
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.2	-2.6	6.5	5.6	0.1	-3.0	-0.4	-0.5	0.3	2.7	-0.7	-0.4	-0.9	-1.3	0.9
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.7	2.2	-3.0	-0.4	2.4	1.1	-7.3	-1.3	2.2	3.0	0.4	2.1	0.3	-0.2	3.8
22193	Pengilangan semula getah dan prosesan susu getah															
22192	Pembuatan sarung tangan getah	-3.9	-8.1	4.1	-1.0	-3.4	-5.4	7.6	-0.7	-4.4	-0.7	1.2	-2.6	-2.1	-3.6	-1.7
22199	Pembuatan produk getah lain yang t.t.t.l.	1.5	-7.0	5.8	-1.4	-1.4	-4.8	6.3	-0.1	1.7	0.2	-0.4	-0.8	-2.0	-4.3	-0.1
222	Pembuatan produk plastik	0.4	0.9	1.3	0.7	-0.3	1.4	0.8	0.3	0.3	0.3	-0.2	1.1	0.2	-0.4	2.2
22201 & 22202	Pembuatan produk plastik separa siap	-1.0	3.4	-0.1	-0.7	-1.3	2.4	0.9	-0.5	-0.2	0.2	-1.0	4.2	0.4	-1.2	-0.3
22202	Pembuatan produk plastik siap															
22203	Pembuatan artikel plastik untuk pembungkusan barangan	0.8	0.8	3.8	0.3	-0.2	0.1	2.1	-0.01	0.2	1.0	-0.4	0.8	0.05	-0.1	2.3
22204	Pembuatan barangan plastik jurubina	1.2	-0.2	0.5	-1.1	0.9	1.4	0.9	2.1	1.3	0.3	-0.4	-0.5	0.6	-0.3	-0.4
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.3	-1.0	-0.02	-2.5	3.4	-0.05	-2.4	0.1	2.1	1.4	0.8	-1.1	0.6	-0.4	-3.7
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.2	-0.3	0.3	3.1	-0.7	2.3	0.2	1.2	0.2	-0.7	0.3	-0.2	0.04	-0.1	5.7
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	0.4	0.5	-0.1	-1.7	1.6	6.2	0.7	-3.3	0.3	0.3	-0.2	0.03	1.1	-0.6	-4.3

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
0.0	0.8	0.9	1.3	-0.5	-0.8	0.1	-2.3	1.2	1.7	-0.01	0.5	-2.1	1.0	0.7	1.5	-1.1	Manufacture of products of wood, cork, straw and plaiting materials
-1.0	2.2	0.9	1.9	-0.5	-1.8	0.2	-3.0	0.6	2.3	0.8	1.3	-1.1	2.0	0.3	2.4	-1.3	Manufacture of veneer sheets and plywood
13.8	-4.6	-0.3	-1.2	-0.6	-0.6	2.3	-1.0	0.1	4.3	0.03	-1.0	-0.5	0.3	0.6	-1.2	-0.1	Manufacture of particle board and fibreboard
-5.8	-1.7	0.5	-0.02	-0.5	0.9	-0.5	-0.7	-0.3	-0.3	-1.3	-0.1	-6.7	-0.2	-0.6	0.01	-2.5	Manufacture of builders' carpentry
0.5	1.6	1.8	1.7	-0.3	0.8	-0.9	-1.9	4.7	0.1	-1.5	-0.8	-2.3	-0.7	2.5	1.1	0.05	Other industry
0.9	1.7	1.3	-0.4	0.2	0.3	0.8	-0.1	-1.3	-1.7	-0.1	-0.4	0.5	1.3	1.5	-0.3	0.1	Manufacture of paper and paper products
2.1	-0.7	1.4	-0.1	4.0	3.2	0.3	-0.6	-0.2	-5.4	-0.2	0.4	3.1	-0.05	2.3	-0.4	3.8	Manufacture of pulp, paper and paperboard
-0.8	2.4	1.1	-0.1	-0.7	-0.8	0.4	-0.01	-2.7	-0.2	0.04	-1.4	0.6	2.1	1.3	-0.3	-0.8	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.6	0.6	0.4	-0.2	-1.1	0.3	0.0	-3.0	-1.7	0.2	-0.8	0.5	0.2	-0.5	0.6	1.7	0.0	Manufacture of envelopes and letter-card
6.3	3.3	1.4	-0.8	-0.6	0.2	0.2	-0.5	-0.3	-4.0	-0.02	-1.6	-0.2	3.9	1.4	-0.9	-0.4	Manufacture of household and personal hygiene paper
-3.0	-0.7	1.2	-0.8	-0.2	0.4	4.3	0.3	0.2	-0.4	0.1	0.5	-3.6	-0.9	0.1	-1.0	1.2	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1.6	2.6	2.1	-0.6	0.7	0.5	-0.1	1.4	-1.3	0.7	-0.7	2.6	3.1	-0.6	2.8	1.6	-1.9	Other industry
0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	-0.3	-0.7	0.2	0.02	0.05	1.9	-0.5	2.7	1.4	-0.1	Printing, service activities related to printing and reproduction of recorded media
0.4	-0.2	1.3	1.4	0.5	-4.2	-0.1	-0.2	-1.0	-0.03	-0.1	-0.1	2.5	-0.1	2.5	1.7	-0.3	Printing
1.0	-1.7	4.2	-0.5	0.7	-2.0	0.3	-0.7	0.4	1.1	0.5	0.6	-0.8	-2.2	3.5	0.1	1.1	Service activities related to printing
																	Reproduction of recorded media
0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	1.7	-1.5	-1.1	-0.1	0.4	0.3	-0.9	1.4	0.4	-0.3	Manufacture of refined petroleum products
1.3	-0.4	1.7	-0.04	-0.4	1.1	0.7	1.2	0.8	-0.8	-0.4	-0.1	1.1	-0.5	1.5	0.6	-0.01	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
0.2	0.7	2.0	0.3	-0.04	3.2	-0.2	4.6	0.2	1.4	0.2	0.4	0.2	0.9	0.5	2.8	-0.1	Manufacture of liquefied or compressed inorganic industrial or medical gases
1.2	-0.1	2.0	-0.8	-0.1	-0.05	1.1	1.2	0.8	-1.0	-0.5	0.3	1.3	-0.4	2.0	-0.2	0.3	Manufacture of basic organic chemicals
																	Manufacture of inorganic compounds
																	Manufacture of fertilizers
0.5	-2.5	0.9	0.8	-2.1	2.3	-0.04	0.5	2.3	-3.1	-0.1	-0.2	0.3	-2.8	0.6	0.8	-2.1	Manufacture of associated nitrogen products
2.1	-0.6	1.5	0.7	-0.1	0.8	1.0	0.1	0.3	-0.2	-0.7	-1.4	1.8	-0.3	1.3	0.9	0.3	Manufacture of plastics in primary forms
3.2	1.2	2.4	-0.6	-0.2	2.2	0.4	0.8	0.3	-0.3	-0.1	0.4	1.4	-0.2	2.9	-0.4	1.3	Other industry
-0.4	-1.3	1.0	0.6	-0.7	-0.2	0.3	0.8	-1.0	0.2	-0.4	-1.5	-0.1	-2.0	0.6	0.1	0.2	Manufacture of other chemical products and man-made fibres
3.9	2.3	4.3	-0.1	-0.4	1.5	-0.6	0.3	0.6	0.6	-0.2	-0.2	4.1	2.6	1.9	0.005	-0.1	Manufacture of pesticides and other agrochemical products
-0.4	-1.6	1.2	0.3	0.3	2.8	0.2	2.6	-3.8	-0.4	-0.1	-1.1	-0.4	-1.5	0.02	0.5	1.0	Manufacture of paints, varnishes and similar coatings ink and mastics
-1.0	-1.3	0.5	0.3	-0.1	0.7	-0.2	1.9	0.7	-0.4	0.2	-7.2	0.4	0.4	-0.1	-0.1	-0.2	Manufacture of printing ink
0.4	-1.7	1.0	0.4	-0.1	-2.8	1.4	0.6	-0.6	0.8	-0.8	-0.7	0.6	-3.2	0.4	0.1	-0.2	Manufacture of soap and detergents, cleaning and polishing preparations
																	Manufacture of perfumes and toilet preparations
																	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-1.6	-1.4	0.2	1.2	-2.4	0.5	-0.6	-0.6	-0.8	-0.2	-0.4	-0.9	-2.2	-3.3	1.3	-0.1	0.5	Manufacture of writing and drawing ink
																	Manufacture of other chemical products n.e.c.
-24.9	-8.7	-7.5	0.3	-0.3	0.0	2.5	3.0	-2.1	-0.5	-2.5	-1.0	-5.6	-5.8	0.5	-1.3	0.8	Other industry
2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	0.1	4.3	-1.4	-0.2	1.8	3.0	-0.1	0.5	-2.5	0.01	Manufacture of pharmaceuticals, medicinal chemical and botanical products
3.1	0.1	0.4	-5.1	-0.2	-3.4	-0.1	-0.4	5.9	-2.5	0.1	1.8	4.3	-0.03	0.2	-1.6	0.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
1.1	1.4	0.5	-3.2	-0.8	-0.02	0.3	1.2	0.9	0.9	-0.8	1.8	0.1	-0.3	1.2	-4.6	0.02	Other industry
2.3	0.4	-0.2	-0.4	-0.2	-1.0	-0.2	-0.4	-1.0	-0.4	-2.5	0.3	2.7	0.8	-0.1	-0.4	-0.1	Manufacture of rubber products
-10.2	0.1	-0.3	1.6	-0.4	0.6	-0.7	-0.4	1.5	-0.5	-1.3	-1.7	-0.7	0.1	-0.4	0.6	-0.9	Manufacture of rubber tyres for vehicles
2.6	2.8	1.9	7.8	-3.8	0.3	0.4	-0.6	-0.5	-0.2	-2.3	1.0	-1.9	0.4	1.8	-2.1	-0.2	Manufacture of interchangeable tyre treads and retreading rubber tyres
																	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-4.9	-1.7	-0.6	-0.3	0.6	1.6	0.6	0.2	1.2	-0.4	0.4	-0.3	-5.7	-1.4	-0.6	-0.5	-0.2	Rubber remilling and latex processing
5.3	0.6	-0.4	-0.7	0.04	-3.0	0.1	-0.5	-2.8	-0.6	-2.1	0.3	5.9	1.4	-0.5	-0.1	-0.01	Manufacture of rubber gloves
4.7	1.1	0.4	-1.0	-0.8	0.5	-1.2	-0.6	0.4	0.05	-5.2	1.1	3.8	1.3	1.0	-0.9	-0.2	Manufacture of other rubber products n.e.c.
-1.0	0.2	0.0	0.8	-0.1	0.3	-0.4	-0.2	1.6	0.5	-0.7	2.2	-1.4	0.1	0.2	0.9	-0.8	Manufacture of plastics products
0.1	0.1	-0.2	-0.5	-0.03	-0.2	0.3	-1.3	3.4	1.0	-1.9	0.1	0.6	0.3	-0.4	0.4	-0.6	Manufacture of semi-manufactures of plastic products
																	Manufacture of finished plastic products
0.0	1.4	0.2	-0.1	0.2	0.5	-0.3	-0.3	1.0	-0.1	-0.8	0.1	0.4	1.6	0.8	-0.3	-0.5	Manufacture of plastic articles for the packing of goods
-0.3	1.2	0.6	-1.4	-0.3	1.7	-0.8	0.0	1.2	0.5	-0.2	-1.0	0.1	1.8	0.8	1.1	0.2	Manufacture of builders' plastics ware
6.2	-2.3	-2.0	-0.4	-0.1	2.7	-0.1	0.8	-0.2	-0.1	0.2	0.3	-0.2	-2.5	0.3	-0.1	-0.1	Manufacture of plastic tableware, kitchenware and toilet articles
-4.7	-0.4	0.5	3.1	-0.5	-0.1	-1.1	0.5	1.4	0.8	0.1	6.2	-4.7	-0.9	0.02	2.7	-1.5	Manufacture of diverse plastic products n.e.c.
4.0	0.4	-1.2	-0.3	-0.2	0.3	0.7	0.7	1.0	4.3	0.8	-2.9	3.5	0.2	-1.5	-1.2	-0.7	Manufacture of glass and glass products

Jadual
Table

1.5c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-2.0	2.0	2.5	0.03	-4.3	0.5	2.6	0.3	0.5	-2.3	-0.2	0.5	0.7	0.7	1.5
23911	Pembuatan mortar refraktori dan konkrit															
23921	Pembuatan seramik bukan refraktori	-6.9	0.1	-0.5	-0.9	-8.1	-2.8	0.1	5.0	-5.0	-1.6	-0.4	-0.4	-0.5	1.0	-2.3
23930	Pembuatan produk porselin dan seramik lain	-15.6	2.0	0.3	-1.4	-2.3	-1.7	1.1	-4.6	0.2	-15.4	-0.4	-1.0	3.4	-0.4	1.5
23941	Pembuatan simen hidrolik	-2.1	-0.5	-0.5	4.1	-3.0	-0.6	4.1	0.8	1.5	0.03	-3.5	-0.3	0.2	-0.4	3.7
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-6.1	0.8	6.6	0.6	-5.4	1.9	3.3	1.1	1.0	-5.7	-1.4	-0.1	1.2	-0.3	3.1
23952	Pembuatan konkrit pratuangan, simen atau artikel batu															
23953	buatan yang digunakan dalam pembinaan;															
23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	2.6	3.0	0.3	-1.9	-6.2	1.2	0.9	-0.6	1.5	-0.5	1.7	1.1	0.6	1.2	0.3
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.															
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.5	3.2	6.9	3.4	-0.5	-0.7	11.4	-0.1	-1.2	0.7	-1.0	1.0	1.7	0.5	5.7
	Industri lain	3.8	3.5	6.0	0.8	2.5	2.0	-0.2	-0.2	4.1	-0.1	-0.1	1.3	-0.2	2.2	1.3
241																
(24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-0.9	1.0	3.4	1.8	0.6	0.0	2.5	0.2	0.9	-3.2	1.5	0.01	0.8	0.2	-0.3
242																
(24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.5	-3.0	-3.3	-1.1	0.2	-0.8	-2.4	-0.2	0.5	2.4	-1.3	-0.5	-0.2	-2.2	0.3
243	Pengacuan logam	6.3	-4.4	2.1	-2.1	4.0	-4.3	2.9	0.2	3.5	3.4	-0.6	-2.5	-1.4	-0.6	-0.1
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	-2.3	1.2	1.8	1.0	0.3	0.6	0.4	-0.4	0.4	0.7	-1.5	1.1	-1.8	-0.1
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan															
25119	pintu pagar daripada logam	0.1	-2.8	4.9	2.5	0.7	0.3	2.2	1.7	-0.8	0.4	0.6	-1.5	1.1	-2.4	0.6
25120	Pembuatan produk struktur logam lain	0.8	-2.1	-6.5	-0.7	1.7	1.2	-5.1	-2.9	-0.2	0.7	0.3	-2.7	1.3	-0.6	-0.8
	Pembuatan tangki, takungan dan kontena daripada logam															
	Industri lain	3.3	0.04	-5.1	1.2	1.7	-0.9	-0.4	-2.4	1.4	-0.2	2.0	-0.1	0.9	-0.7	-2.7
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.1	-2.1	4.2	1.2	1.4	-1.8	2.3	0.4	1.1	1.0	0.05	-1.4	0.2	-1.0	0.9
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-2.1	-4.4	7.5	-0.9	-2.6	-1.6	8.1	-0.01	0.8	-2.3	-0.4	-2.8	0.04	-1.7	3.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	7.4	-5.8	-10.8	0.1	5.4	-8.0	-11.4	-0.02	1.0	3.3	2.9	-4.5	-0.5	-1.0	-0.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	1.9	-3.2	9.0	-1.3	3.9	-0.6	8.9	0.7	3.5	0.0	-1.6	-4.3	0.2	0.9	1.1
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam															
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	0.7	0.01	4.1	3.3	1.9	-1.3	0.9	-1.5	1.2	1.0	-1.5	0.5	0.3	-0.8	1.7
25994	Pembuatan barangan rumah daripada logam	6.5	-0.6	0.9	6.9	-1.5	-7.0	1.1	11.1	1.8	-0.1	4.7	1.3	-0.6	-1.3	-0.04
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	1.5	-1.1	4.8	2.5	0.9	-0.4	4.0	1.4	0.5	2.1	-1.0	0.0	0.3	-1.4	-0.5
	Industri lain	7.4	1.2	11.7	0.3	3.8	0.9	-0.2	-1.0	0.9	3.8	2.5	0.4	1.0	-0.1	0.5
261	Pembuatan komponen dan papan elektronik	0.7	2.8	-0.1	-1.4	-3.7	2.4	-0.6	-0.2	-0.8	1.2	0.3	1.9	0.7	0.2	-2.4
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-0.1	1.9	0.3	-1.1	-3.2	1.6	-0.4	0.2	-1.6	1.2	0.3	3.9	-1.4	-0.5	-1.8
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro															
26103	Pembuatan kapasitor dan perintang elektrik															
26104	Pembuatan papan litar bercetak	1.9	3.7	-0.7	-1.8	-4.8	3.7	-0.6	-0.6	0.2	1.4	0.3	-0.4	3.0	1.1	-3.5
26105	Pembuatan komponen paparan															
26109	Pembuatan komponen lain untuk aplikasi elektronik	-0.1	5.3	-0.5	-1.5	-0.5	0.4	-1.9	-1.1	-0.01	-0.04	-0.1	-0.3	4.8	0.8	-0.7
262																
(26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.1	0.2	-0.3	1.1	0.7	2.0	1.8	2.3	-4.6	0.2	0.3	-0.5	1.0	-0.2	-0.6
263/ 26300	Pembuatan peralatan komunikasi	-1.1	2.2	-1.7	1.0	-0.9	2.1	2.8	0.3	-0.6	-0.6	0.1	0.9	0.9	0.4	-6.4
264/ 26400	Pembuatan peralatan elektronik pengguna	-2.8	0.6	9.8	-3.8	-1.8	0.7	4.9	0.8	-2.0	-0.7	-0.1	-1.7	1.9	0.4	-1.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1.3	-0.01	-1.8	0.4	1.0	4.1	-1.1	0.8	0.05	1.3	-0.02	-0.2	0.8	-0.6	-1.6
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1.2	1.6	-3.0	0.4	0.7	5.1	-2.2	1.4	0.3	1.3	-0.4	0.1	1.6	-0.1	-2.0
26512	Pembuatan kelengkapan kawalan proses perindustrian															
26520	Pembuatan jam tangan dan jam dan bahagiannya	1.5	-5.6	2.9	0.3	2.1	0.8	2.8	-1.5	-1.0	1.0	1.4	-1.2	-2.2	-2.3	-0.2
266/ 26600	Pembuatan peralatan penyinaran, perubahan elektro dan elektroterapeutik	-0.5	0.5	-1.9	-1.2	-3.7	0.2	3.1	1.1	0.2	-1.0	0.4	-0.4	0.8	0.1	-8.6

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
0.1	0.9	-0.3	0.8	-0.4	-2.4	-1.7	-0.2	0.7	-0.4	0.1	1.6	0.3	0.7	0.4	0.2	-0.3	Manufacture of non-metallic mineral products
2.7	-0.8	-1.4	0.6	-0.1	-5.5	-1.9	-0.8	-0.6	-2.5	0.3	-0.8	-0.2	1.1	4.1	1.0	-0.2	Manufacture of refractory mortars and concretes
2.2	-3.3	-1.1	1.0	-1.3	-1.7	-1.7	1.1	-1.3	-0.3	-0.1	2.4	2.6	-3.7	-1.7	-1.4	-1.5	Manufacture of non-refractory ceramic
-5.2	1.2	-0.2	4.3	-0.1	0.9	-0.3	-3.6	0.03	-0.2	-0.5	4.9	-0.1	-0.6	0.7	-0.2	0.3	Manufacture of other porcelain and ceramic products
0.2	3.2	-0.8	2.4	-1.0	0.2	-6.0	0.5	-0.04	1.1	0.8	1.9	0.0	1.4	0.8	0.2	0.1	Manufacture of hydraulic cement
																	Manufacture of ready-mix and dry-mix concrete and mortars
																	Manufacture of precast concrete, cement or artificial stone articles for use in construction
-0.3	0.3	-0.5	-0.8	-0.6	-6.3	-0.4	0.6	1.9	-1.4	0.7	-0.1	0.1	0.9	0.01	-0.2	-0.4	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
-1.7	3.0	2.6	0.8	0.0	1.1	-0.2	-1.4	-0.3	2.4	-2.7	6.0	3.2	1.8	-0.9	0.8	-0.04	Manufacture of other articles of concrete, cement and plaster n.e.c.
4.3	0.4	-0.5	0.9	0.4	2.7	-0.03	-0.1	1.7	-0.6	0.9	1.4	-1.9	0.2	-0.2	1.4	-1.4	Manufacture of other non-metallic mineral products n.e.c.
																	Other industry
1.5	2.2	1.1	0.4	0.3	0.9	-1.3	1.0	-0.2	-0.02	0.2	-0.4	0.8	2.2	-0.1	0.03	0.3	Manufacture of basic iron and steel
-3.1	-0.6	0.3	-1.5	0.1	1.2	-0.7	-0.3	-0.3	-0.2	-0.3	-0.9	-1.2	-0.4	-0.4	-0.2	0.4	Manufacture of basic precious and other non-ferrous metals
2.2	0.1	1.0	-2.8	-0.3	2.6	2.0	-0.6	-0.2	-0.7	-3.4	4.1	-1.8	0.6	1.3	-0.6	-0.4	Casting of metals
1.5	-0.1	-0.6	0.0	2.3	0.2	-0.4	1.2	-0.2	-0.5	1.0	-0.02	1.1	-0.5	-0.3	-1.6	2.3	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
5.5	-1.3	-0.7	-0.6	3.8	-0.4	-0.4	1.5	-0.02	-1.1	1.5	-0.1	3.9	-1.4	0.4	-2.1	3.5	Manufacture of metal doors, windows and their frames, shutters and gates
-9.5	4.2	-1.1	1.8	-1.4	1.8	0.2	-0.4	0.2	1.0	-0.04	0.3	-9.7	4.8	-1.9	-0.3	-0.7	Manufacture of other structural metal products
-2.9	0.4	0.9	0.4	-0.05	1.2	-1.2	1.7	-1.6	0.9	-0.2	0.2	0.9	-1.5	-1.9	-0.4	-0.1	Manufacture of tanks, reservoirs and containers of metal
1.9	1.3	0.2	-0.3	1.3	1.1	-0.1	0.4	-0.7	0.2	-1.3	0.5	2.2	-0.4	-0.5	-0.2	1.1	Other industry
3.4	0.8	0.04	-0.9	-0.1	-0.1	-2.9	0.4	-0.2	0.2	-1.7	3.2	3.7	1.0	-0.7	-1.0	1.8	Manufacture of other fabricated metal products; metal working service activities
-9.4	-0.6	1.0	-0.8	-0.2	1.8	0.1	3.4	-4.5	-1.3	-2.4	-1.3	-9.5	-0.8	-1.4	0.1	1.2	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
8.5	-0.7	0.5	-1.6	-0.1	4.9	-1.8	0.9	-0.8	0.5	-0.3	1.4	9.1	-1.6	1.6	-1.1	0.3	Treatment and coating of metals; machining
-0.2	2.5	-0.2	-0.5	4.0	2.3	0.1	-0.4	-0.3	0.1	-1.1	-1.8	3.7	-1.0	-1.1	0.05	-0.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
-0.8	1.7	1.5	5.4	-0.1	-0.4	0.1	-1.2	-1.0	0.0	-6.1	-0.5	-0.3	1.9	1.5	9.5	-0.03	Manufacture of metal cable, plaited bands and similar articles
3.9	1.4	0.3	-0.6	2.7	0.4	0.3	0.3	0.5	0.6	-1.5	0.1	4.1	-0.2	-0.9	-0.5	2.9	Manufacture of metal household articles
7.6	3.3	-0.5	1.2	-0.4	0.2	4.4	-0.7	-1.2	1.1	1.0	1.7	-0.3	-1.6	-0.1	-0.8	-0.1	Manufacture of any other fabricated metal products n.e.c.
1.3	1.0	-0.3	-0.6	-0.4	-1.4	-1.7	-0.6	1.2	0.7	0.4	-3.3	-0.4	3.2	0.5	-0.2	-0.4	Other industry
2.0	0.2	-0.2	-0.4	-0.5	-1.5	-1.4	-0.3	1.6	0.1	-0.1	-3.6	-1.3	4.6	0.4	-0.3	0.2	Manufacture of electronic components and boards
																	Manufacture of diodes, transistors and similar semiconductor devices
																	Manufacture of electronic integrated circuits micro assemblies
																	Manufacture of electrical capacitors and resistors
0.8	2.1	-0.5	-0.9	-0.3	-1.6	-2.3	-1.0	1.0	1.8	0.9	-3.4	1.0	1.9	0.7	-0.1	-1.2	Manufacture of printed circuit boards
-0.5	0.7	-0.6	-0.7	-0.2	0.4	0.1	-0.9	-0.6	0.2	0.8	0.2	-1.5	-0.7	-0.2	-0.3	-0.6	Manufacture of display components
-1.8	2.1	-0.2	1.5	-0.2	-0.4	0.3	0.7	-0.3	1.3	1.0	-0.5	1.9	0.4	0.8	1.3	0.2	Manufacture of other components for electronic applications
4.1	0.9	1.4	-0.2	-0.2	-0.8	-0.5	0.4	1.1	1.1	-0.1	-1.5	4.2	0.1	0.7	0.4	-0.7	Manufacture of computers and peripheral equipment
6.0	4.9	-1.8	-1.4	-0.6	-1.8	-0.3	0.3	-1.6	2.5	-0.1	0.4	-0.6	5.2	-0.7	5.2	-3.5	Manufacture of communication equipment
-2.5	2.4	-0.2	0.5	0.1	0.4	0.4	0.2	0.1	1.7	2.3	-2.6	-1.6	3.2	1.0	0.02	-0.3	Manufacture of consumer electronics
-2.9	1.9	-0.2	0.5	0.2	0.5	0.4	-0.2	0.5	1.9	2.6	-3.3	-1.8	3.0	1.6	0.02	-0.2	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
-1.0	4.2	-0.2	0.6	-0.1	0.1	0.2	1.7	-1.2	0.9	1.0	-0.02	-1.0	3.9	-1.0	-0.01	-0.5	Manufacture of measuring, testing, navigating and control equipment
3.9	3.3	-0.7	-0.4	-0.1	-3.4	-0.3	0.02	-0.3	0.3	0.3	-4.5	4.4	3.4	0.6	0.2	0.2	Manufacture of industrial process control equipment
																	Manufacture of watches and clocks and parts
																	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2.8	-2.1	6.5	-5.1	-1.0	-2.0	-3.0	-1.3	3.5	-1.0	0.4	-1.5	0.4	-1.1	-0.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	0.3	-2.7	3.2	-2.2	-1.7	-0.5	4.3	-0.7	0.5	-0.5	0.3	-2.2	-0.7	0.2	1.5
27101	Pembuatan motor elektrik, penjana dan transformer	1.7	-3.8	4.9	-1.9	0.5	0.6	3.6	-3.5	2.3	-0.6	0.1	-2.9	-0.2	-0.6	1.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-0.8	-2.0	2.0	-2.4	-3.3	-1.3	4.8	1.5	-0.9	-0.4	0.4	-1.7	-1.1	0.9	1.8
272/ 27200	Pembuatan bateri dan akumulator	-0.7	-0.4	4.1	-3.0	1.2	-0.9	-2.5	-1.8	0.02	-0.7	-0.1	-1.0	0.6	0.02	-0.6
273	Pembuatan pendawaian dan peranti pendawaian	0.9	-3.1	2.0	-2.0	1.9	-1.1	1.4	1.9	-0.5	2.0	-0.5	0.6	-3.6	-0.1	-0.8
27310	Pembuatan kabel gentian optikal	2.5	2.8	-1.4	0.7	-0.04	5.8	-2.4	2.9	1.0	0.5	0.9	1.2	1.4	0.1	-1.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.3	-3.7	1.8	-2.2	2.2	-1.6	1.5	2.2	-1.1	2.2	-0.8	0.4	-4.0	-0.1	-0.5
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	10.3	2.6	5.9	-0.3	-0.6	1.6	1.8	-2.2	7.9	0.0	2.2	2.9	-0.3	0.0	-4.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-0.9	-1.9	9.9	0.7	1.9	0.2	1.6	0.9	-1.5	-2.2	2.9	-2.6	-0.8	1.5	3.7
275/ 27500	Pembuatan perkakasan domestik	5.1	0.9	-4.5	-1.7	4.7	-1.9	-8.5	-1.1	0.4	0.2	4.5	-1.5	3.4	-0.9	-1.8
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-1.9	0.8	-1.0	-1.0	-0.6	2.2	2.1	1.1	-0.3	-0.1	-1.2	-0.5	-0.2	1.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.8	1.4	-3.0	-1.6	1.0	1.3	-0.5	-0.5	0.7	1.1	-1.0	0.3	-0.6	1.7	-2.5
28120 & 28130	Pembuatan alat-alat kuasa bendalir	4.9	0.8	-8.3	-13.2	-6.1	-1.4	-1.1	-6.9	4.7	0.9	-0.7	-0.5	-0.2	1.6	-1.1
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	3.6	2.1	-2.7	0.1	0.7	3.6	-4.0	0.9	0.5	1.7	1.3	0.2	-0.6	2.6	-1.8
28192	Pembuatan jentera pembentukan logam dan alatan mesin	2.1	-3.9	-8.7	-2.4	1.9	-3.5	-0.7	0.6	2.7	1.3	-1.9	-0.7	-2.6	-0.6	-9.5
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	2.3	2.4	-13.3	-0.2	1.2	0.5	0.2	1.4	1.0	1.4	-0.2	1.3	0.5	0.5	0.5
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-1.6	2.2	1.0	-0.7	2.0	1.6	1.2	-0.9	-0.3	0.8	-2.1	0.5	-0.4	2.1	-2.3
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-3.2	0.8	4.2	-0.4	-3.6	-0.6	2.8	-0.2	-0.3	-2.3	-0.6	-0.2	1.4	-0.4	2.4
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	3.2	0.5	13.2	1.2	-3.7	-2.6	12.2	-0.6	0.3	4.3	-1.4	0.2	0.1	0.2	1.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.4	-0.3	-2.8	0.1	-2.6	5.1	-2.1	0.3	0.4	0.6	0.4	-0.2	0.3	-0.5	0.1
301 (30110 & 30120)	Pembinaan kapal dan bot	1.9	1.3	4.7	1.3	-0.7	-1.5	-0.9	1.8	3.0	0.2	-1.3	-1.2	1.6	0.8	2.3
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	1.9	-2.3	-1.3	0.2	1.4	0.8	1.6	-0.7	1.5	-0.05	0.4	-1.2	-0.4	-0.7	1.1
30910	Pembuatan motosikal	6.2	-4.4	7.9	0.4	1.8	-0.6	4.9	1.1	2.8	1.0	2.3	-2.8	-2.6	0.9	6.6
30920	Pembuatan basikal dan invalid carriages	-6.5	-5.9	-42.6	-9.7	-5.9	8.9	3.5	2.0	-3.3	-2.1	-1.2	-0.4	-2.5	-3.1	-13.6
	Industri lain	0.4	0.5	-0.2	1.2	1.8	1.2	-1.5	-2.7	1.6	-0.4	-0.8	-0.1	1.9	-1.4	-0.4
310	Pembuatan perabot	2.6	1.6	1.0	0.7	1.7	-0.1	-0.1	0.2	2.2	0.04	0.4	1.4	0.3	-0.1	-0.4
31001	Pembuatan perabot kayu dan rotan	2.4	2.0	1.7	0.0	1.1	0.2	0.3	0.7	1.9	-0.2	0.6	2.0	0.2	-0.2	-0.3
	Industri lain	3.6	0.2	-1.2	3.0	3.9	-0.8	-1.5	-1.3	3.3	0.7	-0.4	-0.4	0.6	0.1	-0.7
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	9.5	-4.7	-3.8	1.2	1.1	-4.6	-5.5	-6.7	7.3	2.2	-0.1	-1.5	0.5	-3.7	-4.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-0.2	-0.4	4.9	-0.8	0.3	-0.5	3.8	0.1	-0.3	-0.2	0.3	-1.1	0.7	0.1	4.7
32901	Pembuatan alat tulis	-2.1	-1.5	5.0	-2.7	-1.6	-2.3	6.2	-0.7	0.4	-2.2	-0.3	-0.1	0.3	-1.7	1.1
	Industri lain	0.4	-0.04	4.9	-0.2	0.8	0.01	3.2	0.4	-0.5	0.4	0.5	-1.4	0.8	0.6	5.7
323/ 32300	Pembuatan barangan sukan	-5.1	-0.1	-16.8	-1.9	11.5	1.3	-16.9	-2.4	-2.8	-3.8	1.5	-0.4	0.2	0.1	-0.1
324/ 32400	Pembuatan permainan dan mainan	-3.8	-1.0	0.5	-0.5	-0.7	0.2	-1.1	1.6	-2.3	-0.1	-1.5	-0.6	0.4	-0.9	-9.0
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	3.0	0.02	0.1	0.5	1.3	-1.5	-0.1	0.5	2.7	0.04	0.2	0.2	0.8	-1.0	1.2
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	5.7	0.8	-0.2	-0.9	4.2	-1.1	-2.0	-1.4	7.7	-0.2	-1.7	2.1	-2.0	0.7	-0.9
	Industri lain	2.5	-0.1	0.1	0.8	0.8	-1.6	0.3	0.9	1.7	0.1	0.6	-0.1	1.3	-1.3	1.7
Jumlah Pembuatan		0.7	-0.2	1.2	0.1	-0.5	0.3	0.9	0.3	0.3	0.3	0.1	-0.1	0.3	-0.4	-0.2

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
6.3	1.2	-0.8	-4.0	-0.4	-4.0	0.7	2.4	1.3	-2.3	-0.9	-2.4	-1.4	0.9	-0.8	-0.2	-0.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media
1.7	-0.1	-0.6	-0.9	-0.7	0.05	-1.7	-0.1	-0.3	0.7	-0.8	3.9	0.7	-0.3	1.9	-2.4	-0.2	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
2.8	0.8	-0.6	-1.0	-0.3	-0.1	-0.1	0.7	0.3	0.8	-0.5	0.8	2.9	-0.2	-0.7	-2.5	-0.4	Manufacture of electric motors, generators and transformers
0.9	-0.7	-0.6	-0.8	-1.0	0.1	-2.8	-0.7	-0.7	0.5	-1.1	6.4	-1.0	-0.5	4.0	-2.3	0.0	Manufacture of electricity distribution and control apparatus
1.6	3.1	0.7	-3.8	0.2	0.1	1.3	-0.2	-0.2	0.4	-1.1	-1.3	0.5	-1.7	-0.2	-0.4	-1.2	Manufacture of batteries and accumulators
2.0	0.8	-0.4	-0.5	-1.1	1.9	-0.2	0.2	0.02	0.0	-1.1	-0.9	2.0	0.3	2.2	-0.1	-0.2	Manufacture of wiring and wiring devices
-0.5	0.8	2.7	0.4	-2.3	0.1	-0.5	0.4	2.1	1.4	2.1	-1.9	-0.8	0.2	2.3	0.5	0.1	Manufacture of fibre optic cables
1.8	0.6	-0.6	-0.6	-1.1	2.1	-0.2	0.3	-0.1	-0.1	-1.4	-0.6	1.8	0.4	2.4	0.1	-0.3	Manufacture of other electronic and electric wires and cables
6.4	3.8	0.3	-0.9	0.3	0.8	-0.4	-1.1	0.7	0.0	0.9	-4.2	6.7	-0.4	0.0	-3.7	1.5	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
4.7	1.3	0.5	-0.7	0.9	1.1	-2.6	3.5	-2.6	1.0	1.9	2.1	-0.6	0.1	1.0	0.1	-0.2	Manufacture of electric lighting equipment
1.6	-4.3	-0.4	-0.5	-0.8	0.6	-1.1	5.2	-0.6	-0.1	-1.2	-2.1	-1.8	-4.7	-0.3	-0.8	-0.03	Manufacture of domestic appliances
2.1	-2.2	-0.6	-0.8	0.4	0.3	-1.0	-0.4	-0.3	0.1	-0.4	-0.6	2.6	0.2	0.4	1.2	0.5	Manufacture of other electrical equipment
0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	0.1	-0.7	1.9	0.2	-0.2	-0.4	0.2	0.3	-1.0	Manufacture of general-purpose and special-purpose machinery
-6.6	-0.8	0.9	-0.6	-13.5	-5.5	-0.1	-0.6	0.3	0.4	-2.0	0.6	0.1	-1.8	1.3	-0.9	-7.3	Manufacture of fluid power equipment
-1.3	0.3	-0.1	0.3	-0.05	1.9	3.0	-4.0	0.4	-0.5	3.8	-1.0	-1.6	-1.5	0.8	1.2	-1.1	Manufacture of other pumps, compressors, taps and valves
-0.4	1.4	-0.9	-0.9	-0.6	2.2	0.1	-0.3	2.4	-5.7	-0.1	-1.3	-1.0	1.6	0.3	-0.1	0.3	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-11.4	-2.7	0.0	-0.3	0.1	0.3	0.5	0.5	-0.6	0.7	0.4	0.4	-1.7	1.6	1.0	0.3	0.1	Manufacture of metal-forming machinery and machine tools
4.3	-0.9	-0.3	0.5	-0.9	0.9	1.0	-0.03	-0.4	-0.1	2.1	0.9	0.7	-0.5	-0.4	0.1	-0.5	Manufacture of air-conditioning machines, including for motor vehicles
1.4	0.3	0.5	-0.1	-0.9	0.1	-0.3	-3.5	0.1	-0.9	0.2	1.9	1.9	-1.0	2.2	-0.2	-2.2	Manufacture of other special-purpose machinery
11.1	0.4	0.6	-0.5	1.1	-1.9	-0.9	-1.0	-0.4	0.1	-2.4	1.3	11.1	-0.2	-2.2	0.5	1.1	Other industry
-2.9	-0.1	0.01	-0.2	0.3	1.0	-1.0	-2.6	6.7	-0.9	-0.6	0.6	-2.4	-0.3	0.9	-1.1	0.5	Manufacture of other motor vehicles
0.8	1.5	-0.8	1.6	0.5	0.9	-0.1	-1.5	-1.2	-0.3	-0.01	-0.6	-0.5	0.2	-0.8	-0.3	2.9	Manufacture of motor vehicles
-2.3	0.02	0.4	-0.4	0.2	1.0	-0.4	0.8	0.1	0.8	-0.2	2.8	-2.8	1.7	-1.3	1.1	-0.5	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-2.0	3.3	1.4	-0.4	-0.6	-0.4	-0.4	2.6	0.2	-0.6	-0.1	7.1	-5.7	3.8	-1.5	2.4	0.2	Manufacture of parts and accessories for motor vehicles
-25.2	-11.2	-6.6	-3.1	-0.3	-2.3	-2.0	-1.7	0.1	5.0	3.6	1.8	1.4	0.3	1.2	1.1	-0.3	Building of ships and boats
1.6	-1.3	0.3	-0.2	1.1	2.5	-0.3	-0.4	0.1	1.7	-0.7	-0.8	-0.6	-0.01	-1.4	-0.1	-1.2	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	2.0	-0.2	-1.8	-1.0	0.9	-0.02	1.0	-1.0	0.3	Manufacture of motorcycles
1.8	0.1	1.1	-1.0	-0.1	0.0	0.4	0.6	2.4	-0.1	-2.2	-1.3	1.8	-0.1	1.2	-1.0	0.5	Manufacture of bicycles and invalid carriages
-2.8	2.3	2.3	0.1	0.6	3.4	0.6	-0.1	0.5	-0.8	-0.4	0.2	-1.8	0.2	0.5	-1.1	-0.7	Other industry
-1.5	2.0	0.4	0.9	-0.1	0.5	-2.6	3.2	-1.9	1.2	-3.9	-4.6	0.3	-1.2	1.2	0.0	-7.9	Manufacture of furniture
0.1	0.1	0.2	-0.1	-0.9	-0.5	0.9	-0.1	-0.8	0.01	0.3	3.4	0.03	0.4	0.2	0.1	-0.2	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
3.3	0.5	-0.2	-2.3	-0.3	-1.9	0.6	-0.3	0.5	-3.2	0.4	1.5	4.1	0.6	-1.0	0.1	0.2	Manufacture of jewellery, bijouterie and related articles
-0.8	0.0	0.4	0.4	-1.0	-0.1	1.0	-0.01	-1.2	0.9	0.3	3.9	-1.0	0.3	0.6	0.1	-0.3	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-15.9	-1.1	-1.2	2.3	-2.9	2.3	0.3	8.7	2.2	0.7	-1.6	0.5	-16.5	-1.1	-1.3	-0.6	-0.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
10.0	0.4	1.4	-1.4	-0.5	-1.3	0.7	-0.1	-0.6	0.6	0.2	0.4	-0.2	-1.4	2.0	0.2	-0.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	-0.6	0.1	-0.9	1.1	0.8	-1.9	0.7	-0.7	0.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
1.7	-1.0	-1.9	0.9	0.1	3.0	0.5	0.6	0.4	-2.0	0.6	0.7	0.2	-2.9	-2.0	0.4	0.1	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.5	-1.1	1.0	-0.8	0.6	1.1	-0.7	0.4	-0.8	0.5	-1.3	1.2	0.9	-1.8	1.2	-0.9	0.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	0.4	0.2	-0.3	-0.01	0.4	0.5	0.4	0.1	-0.1	Total Manufacturing

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	361	426	427	103	106	106
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	449	476	478	118	117	120
	10201 Pengetinan ikan, krustasea dan moluska						
	&	358	385	376	96	96	97
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska						
	Industri lain	91	91	102	22	22	23
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	190	224	215	55	59	56
	10303 Pengetinan nanas						
	&	11	15	15	4	4	4
	10304 Pembuatan jem, marmalad dan sajian jeli						
	Industri lain	179	208	201	51	55	52
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,958	3,192	3,413	782	784	793
	10404 Pembuatan minyak sayuran mentah dan bertapis						
	&	218	218	224	55	56	53
	10406 Pembuatan sebatian lemak masakan						
	10405 Pembuatan minyak kelapa	93	115	121	26	27	31
	Industri lain	2,646	2,859	3,067	701	701	710
105	Pembuatan produk tenusu	875	922	1,003	225	232	225
	10502 Pembuatan susu pekat, tepung dan sejat	775	814	891	199	206	197
	Industri lain	100	107	112	25	26	27
106	Pembuatan produk bijian, kanji dan produk berkanji	370	384	350	96	98	96
	10611 Pengilangan beras	179	186	172	48	47	46
	10613 Pengilangan tepung	166	173	153	41	45	43
	Industri lain	25	25	24	7	6	6
107	Pembuatan produk makanan lain	4,170	4,498	4,620	1,094	1,082	1,132
	10711 Pembuatan biskut dan cookies	375	429	454	101	103	111
	10712 Pembuatan roti, kek dan produk bakeri lain	932	995	1,029	239	243	253
	10713 Pembuatan produk snek	232	250	285	62	59	62
	10721 Pembuatan gula	81	71	78	17	17	18
	10731 Pembuatan produk koko	93	97	96	23	24	25
	10732 Pembuatan coklat dan produk coklat						
	&	401	405	395	101	92	100
	10733 Pembuatan konfeksi gula						
	10793 Pembuatan sos dan bahan perasa	369	429	518	100	102	107
	10799 Pembuatan produk makanan lain t.t.t.l.	481	564	534	135	134	143
	Industri lain	1,206	1,258	1,230	316	307	312
108/ 10800	Pembuatan makanan haiwan tersedia	1,061	1,141	1,137	281	277	282
110	Pembuatan minuman ringan	532	573	615	141	139	139
	11041 Pembuatan minuman ringan	373	408	436	101	100	98
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	127	128	132	32	31	32
	Industri lain	32	36	47	9	8	9
120/ 12000	Pembuatan produk tembakau	63	66	66	18	16	15
131	Pemintalan, penenunan dan penyiapan tekstil	353	345	355	84	85	88
	13110 Penyediaan dan pemintalan gentian tekstil						
	&	238	238	248	56	58	62
	13120 Penenunan tekstil						
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	107	98	98	25	24	24
	Industri lain	9	9	8	2	2	2
139	Pembuatan tekstil lain	319	361	365	88	91	90
	13910 Pembuatan fabrik dikait dan dikrusye	97	100	96	24	26	25
	Industri lain	222	261	268	65	65	65
141	Pembuatan pakaian, kecuali pakaian berbulu	887	939	948	238	230	225
	14102 Pembuatan pakaian	598	636	670	162	154	151
	Industri lain	289	303	278	76	76	74
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	25	25	26	6	6	6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	123	129	136	32	32	32
152	Pembuatan kasut	201	214	218	54	53	52
	15201 Pembuatan kasut kulit						
	&	145	149	141	39	37	36
	15203 Pembuatan kasut getah						
	Industri lain	56	65	77	15	15	16
161/ 16100	Pengilangan dan pengetaman kayu	520	526	562	134	127	131

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
111	103	104	108	113	426	427	Processing and preserving of meat
120	118	116	122	122	476	478	Processing and preserving of fish, crustaceans and molluscs
96	93	92	96	96	385	376	Canning of fish, crustaceans and molluscs
24	25	24	27	26	91	102	Processing, curing and preserving of fish, crustacean and molluscs
							Other industry
55	56	55	53	50	224	215	Processing and preserving of fruits and vegetable
4	4	4	4	4	15	15	Pineapple canning
51	53	52	50	47	208	201	Manufacture of jams, marmalades and table jellies
							Other industry
832	827	852	850	884	3,192	3,413	Manufacture of vegetable and animal oils and fats
54	54	54	57	59	218	224	Manufacture of crude and refined vegetable oil
30	30	30	31	30	115	121	Manufacture of compound cooking fats
748	742	768	762	795	2,859	3,067	Manufacture of coconut oil
							Other industry
240	247	247	247	262	922	1,003	Manufacture of dairy products
212	220	218	220	233	814	891	Manufacture of condensed, powdered and evaporated milk
28	27	29	28	28	107	112	Other industry
94	90	86	86	88	384	350	Manufacture of grain mill products, starches and starch products
44	45	43	43	42	186	172	Rice milling
44	39	36	38	40	173	153	Flour milling
6	6	6	6	6	25	24	Other industry
1,189	1,155	1,124	1,149	1,192	4,498	4,620	Manufacture of other food products
114	107	109	118	120	429	454	Manufacture of biscuits and cookies
259	249	253	260	268	995	1,029	Manufacture of bread, cakes and other bakery products
67	69	70	71	73	250	285	Manufacture of snack products
19	19	19	18	22	71	78	Manufacture of sugar
25	23	24.7	25	24	97	96	Manufacture of cocoa products
							Manufacture of chocolate and chocolate products
112	104	94	93	104	405	395	Manufacture of sugar confectionery
119	130	121	129	139	429	518	Manufacture of sauces and condiments
152	139	130	128	137	564	534	Manufacture of other food products n.e.c.
323	315	304	307	305	1,258	1,230	Other industry
301	279	271	285	303	1,141	1,137	Manufacture of prepared animal feeds
154	151	149	149	166	573	615	Manufacture of beverages
109	105	105	105	121	408	436	Manufacture of soft drinks
34	34	32	33	33	128	132	Production of natural mineral waters and other bottled waters
11	12	12	11	12	36	47	Other industry
18	17	15	16	18	66	66	Manufacture of tobacco products
89	85	89	90	92	345	355	Spinning, weaving and finishing of textiles
62	59	62	63	64	238	248	Preparation and spinning of textile fibres
							Weaving of textiles
25	24	24	24	26	98	98	Dyeing, bleaching, printing and finishing of yarns and fabrics
2	2	2	2	2	9	8	Other industry
92	91	91	91	92	361	365	Manufacture of other textiles
26	24	25	24	23	100	96	Manufacture of knitted and crocheted fabrics
66	67	66	67	68	261	268	Other industry
246	245	233	227	243	939	948	Manufacture of wearing apparel, except fur apparel
169	174	163	159	175	636	670	Manufacture of clothings
77	71	71	68	69	303	278	Other industry
6	6	6	6	6	25	26	Manufacture of articles of fur, knitted and crocheted apparel
33	32	34	34	36	129	136	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
55	56	53	53	57	214	218	Manufacture of footwear
37	36	35	34	36	149	141	Manufacture of leather footwear
18	20	18	19	21	65	77	Manufacture of rubber footwear
							Other industry
134	136	136	143	148	526	562	Sawmilling and planning of wood

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
101	Pemprosesan dan pengawetan daging	36	34	33	35	35	36	34	35	37	37	37	37
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	40	39	39	38	40	40	40	40	40	40	40	41
	10201 Pengetinan ikan, krustasea dan moluska												
	&												
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	32	32	32	31	32	32	33	32	32	32	32	32
	Industri lain	7	7	7	7	7	7	7	8	8	8	8	8
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	18	18	19	19	20	20	19	18	18	18	18	18
	10303 Pengetinan nanas												
	&												
	10304 Pembuatan jem, marmalad dan sajian jeli	1	1	1	1	1	1	1	1	1	1	1	1
	Industri lain	17	17	17	18	18	18	18	17	17	17	17	17
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	264	261	258	262	262	260	267	258	268	271	265	296
	10404 Pembuatan minyak sayuran mentah dan bertapis												
	&												
	10406 Pembuatan sebatian lemak masakan	19	18	18	19	18	19	17	18	18	18	18	18
	10405 Pembuatan minyak kelapa	9	9	9	9	9	9	10	10	10	10	10	10
	Industri lain	237	233	230	234	235	232	240	230	240	243	237	268
105	Pembuatan produk tenusu	73	77	75	77	77	78	71	75	78	76	77	88
	10502 Pembuatan susu pekat, tepung dan sejat	64	69	66	69	68	69	63	66	68	66	67	79
	Industri lain	9	8	9	8	9	9	9	9	9	10	10	9
106	Pembuatan produk bijian, kanji dan produk	32	32	32	33	32	33	32	32	32	31	31	32
	10611 Pengilangan beras	16	16	16	16	16	15	16	15	15	15	15	15
	10613 Pengilangan tepung	14	14	14	15	14	16	14	14	14	14	14	16
	Industri lain	2	2	2	2	2	2	2	2	2	2	2	2
107	Pembuatan produk makanan lain	372	361	361	357	363	363	368	376	388	389	391	410
	10711 Pembuatan biskut dan cookies	34	33	33	34	35	35	37	37	38	37	38	38
	10712 Pembuatan roti, kek dan produk bakeri lain	82	79	77	80	82	81	84	84	86	85	87	88
	10713 Pembuatan produk snek	20	21	21	20	19	20	20	21	22	22	22	23
	10721 Pembuatan gula	6	6	5	5	6	6	6	6	6	6	6	7
	10731 Pembuatan produk koko	7	8	8	9	8	8	8	8	8	8	8	9
	10732 &												
	10733 Pembuatan coklat dan produk coklatPembuatan konfeksi gula	34	33	34	31	31	31	32	33	35	36	37	38
	10793 Pembuatan sos dan bahan perasa	32	31	37	35	33	34	33	36	38	38	38	44
	10799 Pembuatan produk makanan lain t.t.t.l.	48	44	43	43	45	46	46	47	50	50	50	53
	Industri lain	107	106	103	101	103	103	102	104	106	106	106	111
108/ 10800	Pembuatan makanan haiwan tersedia	90	98	93	90	94	92	95	93	94	96	99	107
110	Pembuatan minuman ringan	48	47	47	47	46	45	45	45	49	49	51	54
	11041 Pembuatan minuman ringan	34	33	33	34	33	33	33	32	34	34	36	39
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang diboto	11	10	11	11	10	10	10	11	11	11	11	11
	Industri lain	3	3	3	3	3	3	3	3	3	3	3	4
120/ 12000	Pembuatan produk tembakau	6	6	6	5	5	5	5	5	5	5	5	7
131	Pemintalan, penenunan dan penyiapan tekstil	29	27	28	28	29	28	29	29	30	29	30	30
	13110 &												
	13120 Penyediaan dan pemintalan gentian tekstilPenenunan tekstil	20	18	19	19	20	20	21	21	21	20	21	21
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang c	9	9	8	8	8	8	7	8	8	8	8	8
	Industri lain	1	1	1	1	1	1	1	1	1	1	1	1
139	Pembuatan tekstil lain	30	29	30	30	31	30	30	30	30	31	30	31
	13910 Pembuatan fabrik dikait dan dikrusye	8	8	8	8	9	9	8	8	8	9	9	9
	Industri lain	22	21	22	22	22	22	22	22	22	22	22	22
141	Pembuatan pakaian, kecuali pakaian berbulu	83	77	78	78	77	74	75	74	77	76	82	88
	14102 Pembuatan pakaian	58	52	52	53	52	49	50	49	51	51	56	62
	Industri lain	26	25	26	25	25	25	24	25	26	25	26	26
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2	2	2	2	2	2	2	2	2	2	2	2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	11	11	11	11	11	11	10	10	11	11	11	12
152	Pembuatan kasut	18	18	18	18	18	17	17	17	18	18	18	18
	15201 Pembuatan kasut kulit												
	&												
	15203 Pembuatan kasut getah	13	13	13	12	13	12	12	12	12	12	12	12
	Industri lain	5	5	5	5	5	5	5	5	6	6	6	6
161/ 16100	Pengilangan dan pengetaman kayu	44	45	44	43	42	42	44	43	44	45	44	44

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
36	34	34	34	35	35	35	35	37	37	37	38	Processing and preserving of meat
40	39	39	38	39	39	40	41	42	41	40	41	Processing and preserving of fish, crustaceans and molluscs
31	31	30	30	31	31	31	32	33	32	32	32	Canning of fish, crustaceans and molluscs
8	8	8	8	8	8	9	9	9	9	9	9	Processing, curing and preserving of fish, crustacean and molluscs
19	18	19	19	18	18	19	17	17	17	17	17	Processing and preserving of fruits and vegetable
1	1	1	1	1	1	1	1	1	1	1	1	Pineapple canning
18	17	18	18	17	17	18	16	16	16	16	15	Manufacture of jams, marmalades and table jellies
278	279	270	283	287	282	289	278	283	285	283	316	Manufacture of vegetable and animal oils and fats
18	18	18	18	18	18	19	19	19	20	19	20	Manufacture of crude and refined vegetable oil
10	10	10	10	10	10	10	10	10	10	10	10	Manufacture of compound cooking fats
250	251	241	254	259	254	261	248	254	255	253	287	Manufacture of coconut oil
90	76	81	84	83	80	86	80	82	83	84	95	Manufacture of dairy products
81	67	72	75	73	71	77	70	73	73	75	85	Manufacture of condensed, powdered and evaporated milk
9	9	9	9	10	10	9	10	9	9	9	10	Other industry
33	28	29	29	29	28	29	28	29	28	28	32	Manufacture of grain mill products, starches and starch products
15	15	15	14	14	14	14	14	14	14	14	14	Rice milling
15	12	12	12	12	12	12	12	13	12	12	16	Flour milling
2	2	2	2	2	2	2	2	2	2	2	2	Other industry
394	382	379	375	375	374	373	382	394	388	394	409	Manufacture of other food products
37	35	35	36	37	36	39	39	40	40	40	40	Manufacture of biscuits and cookies
84	85	80	85	84	84	82	87	90	85	91	92	Manufacture of bread, cakes and other bakery products
23	23	23	23	23	24	24	24	24	24	24	25	Manufacture of snack products
6	7	6	6	6	6	6	6	6	7	7	8	Manufacture of sugar
8	7	7	9	8	8	8	8	9	8	8	8	Manufacture of cocoa products
36	34	34	32	31	31	31	30	32	33	34	37	Manufacture of chocolate and chocolate products
41	42	47	42	40	40	40	43	46	44	45	50	Manufacture of sugar confectionery
51	43	44	43	43	43	41	42	45	44	46	47	Manufacture of sauces and condiments
108	105	102	100	102	101	102	102	102	102	100	103	Manufacture of other food products n.e.c.
100	91	88	89	90	92	91	98	96	98	97	107	Manufacture of prepared animal feeds
51	50	50	51	49	49	49	49	51	52	55	59	Manufacture of beverages
36	35	35	36	34	35	35	34	37	37	40	44	Manufacture of soft drinks
12	11	11	11	10	10	10	11	11	11	11	11	Production of natural mineral waters and other bottled waters
4	4	4	4	4	4	4	4	4	4	4	4	Other industry
6	6	6	5	5	5	5	5	5	6	5	7	Manufacture of tobacco products
30	28	28	29	30	30	30	30	30	30	30	31	Spinning, weaving and finishing of textiles
21	19	19	20	21	21	21	21	21	21	21	22	Preparation and spinning of textile fibres
8	8	8	8	8	8	8	8	8	8	9	9	Weaving of textiles
1	1	1	1	1	1	1	1	1	1	1	1	Dyeing, bleaching, printing and finishing of yarns and fabrics
31	30	31	30	31	30	30	30	31	30	31	31	Manufacture of other textiles
8	8	8	8	8	8	8	8	8	8	8	8	Manufacture of knitted and crocheted fabrics
23	22	23	22	22	22	22	22	23	23	23	23	Other industry
85	80	80	80	79	75	76	74	77	76	80	87	Manufacture of wearing apparel, except fur apparel
61	56	57	56	55	52	53	52	54	53	57	64	Manufacture of clothings
25	23	23	24	24	23	22	22	23	23	23	23	Other industry
2	2	2	2	2	2	2	2	2	2	2	2	Manufacture of articles of fur, knitted and crocheted apparel
11	10	11	11	11	11	11	11	12	12	12	12	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
19	19	18	18	18	17	17	17	18	19	19	19	Manufacture of footwear
12	12	12	12	12	12	11	11	12	12	12	12	Manufacture of leather footwear
7	6	6	6	6	6	6	6	7	7	7	7	Manufacture of rubber footwear
44	46	46	46	45	45	48	47	48	49	49	49	Sawmilling and planning of wood

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : Salaries and Wages Paid of Manufacturing Sector by Group

1.6a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2,064	2,184	2,233	544	535	546
16211	Pembuatan kepingan venier dan papan lapis	1,008	1,042	1,086	255	251	265
16212	Pembuatan papan partikel dan papan gentian	299	323	309	82	77	80
16221	Pertukangan kayu untuk jurubina	428	478	476	122	122	119
	Industri lain	329	341	362	85	84	82
170	Pembuatan kertas dan produk kertas	2,100	2,148	2,162	548	523	527
17010	Pembuatan pulpa, kertas dan kertas tebal	304	241	235	67	55	57
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	836	916	922	226	225	231
17091	Pembuatan sampul surat dan kad surat	54	53	57	13	13	13
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	374	396	415	108	97	92
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	270	248	231	63	62	61
	Industri lain	263	293	302	70	71	73
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,242	2,382	2,497	594	600	584
18110	Percetakan	1,892	2,015	2,097	498	509	493
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan & Penerbitan semula media rakaman	350	368	400	96	91	91
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,363	2,502	2,526	677	570	592
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,205	3,220	3,031	863	801	772
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	296	359	331	90	82	92
20112 & 20113	Pembuatan kimia organik asas & Pembuatan sebatian bukan organik	1,670	1,628	1,335	451	408	381
20121 & 20129	Pembuatan baja & Pembuatan produk campuran nitrogen	310	287	264	76	74	70
20131	Pembuatan plastik dalam bentuk primer	811	840	1,002	216	210	206
	Industri lain	118	107	100	31	26	25
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,626	2,710	2,812	688	657	676
20210	Pembuatan racun perosak dan produk agrokimia lain	258	303	358	71	81	73
20221	Pembuatan cat, varnis dan penyadur dan mastik	361	419	449	106	101	106
20222	Pembuatan dakwat cetak	236	211	171	54	53	53
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat & Pembuatan pewangi dan penyediaan dandanan diri	844	896	881	236	219	223
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials & Pembuatan dakwat menulis dan melukis	891	848	927	210	194	213
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	37	32	26	9	9	8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	789	804	811	188	197	204
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	629	624	618	149	154	155
	Industri lain	159	180	193	39	43	49
221	Pembuatan produk getah	4,094	4,036	4,014	943	1,003	1,076
22111	Pembuatan tayar getah untuk kenderaan	382	480	360	115	120	126
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	103	131	160	29	32	35
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan & Pengilangan semula getah dan prosesan susu getah	737	769	826	182	192	197
22192	Pembuatan sarung tangan getah	2,160	1,974	2,050	444	491	543
22199	Pembuatan produk getah lain yang t.t.t.l.	712	683	618	173	168	176
222	Pembuatan produk plastik	7,892	8,102	8,291	1,996	2,059	2,006
22201 & 22202	Pembuatan produk plastik separa siap & Pembuatan produk plastik siap	2,724	2,748	2,511	712	702	662
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,847	2,207	2,294	550	600	545
22204	Pembuatan barangan plastik jurubina	101	119	119	29	32	29
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	598	584	639	145	148	147
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2,622	2,444	2,728	560	576	623
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	890	921	945	230	228	231

							(RM Juta/million)
2024		2023			2024		Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
559	558	553	559	563	2,184	2,233	Manufacture of products of wood, cork, straw and plaiting materials
271	265	268	279	273	1,042	1,086	Manufacture of veneer sheets and plywood
84	87	76	71	75	323	309	Manufacture of particle board and fibreboard
115	114	117	121	124	478	476	Manufacture of builders' carpentry
90	92	92	87	90	341	362	Other industry
550	554	526	529	553	2,148	2,162	Manufacture of paper and paper products
62	64	58	54	59	241	235	Manufacture of pulp, paper and paperboard
235	236	226	228	232	916	922	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
14	14	13	15	15	53	57	Manufacture of envelopes and letter-card
100	109	99	100	106	396	415	Manufacture of household and personal hygiene paper
61	57	55	58	60	248	231	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
78	75	74	73	80	293	302	Other industry
605	623	636	613	626	2,382	2,497	Printing, service activities related to printing and reproduction of recorded media
514	524	538	512	523	2,015	2,097	Printing
91	98	98	101	102	368	400	Service activities related to printing
							Reproduction of recorded media
664	682	571	597	675	2,502	2,526	Manufacture of refined petroleum products
784	770	726	750	784	3,220	3,031	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
96	84	75	87	85	359	331	Manufacture of liquefied or compressed inorganic industrial or medical gases
388	344	326	315	349	1,628	1,335	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
							Manufacture of fertilizers
66	68	64	69	63	287	264	Manufacture of associated nitrogen products
209	247	236	255	264	840	1,002	Manufacture of plastics in primary forms
25	27	26	24	23	107	100	Other industry
689	730	686	690	706	2,710	2,812	Manufacture of other chemical products and man-made fibres
77	83	90	89	96	303	358	Manufacture of pesticides and other agrochemical products
107	119	114	110	106	419	449	Manufacture of paints, varnishes and similar coatings ink and mastics
51	46	44	40	41	211	171	Manufacture of printing ink
							Manufacture of soap and detergents, cleaning and polishing preparations
218	230	214	217	219	896	881	Manufacture of perfumes and toilet preparations
							Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
230	245	218	227	238	848	927	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
6	6	6	7	6	32	26	Other industry
215	191	198	204	218	804	811	Manufacture of pharmaceuticals, medicinal chemical and botanical products
166	146	152	154	165	624	618	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
49	45	46	50	53	180	193	Other industry
1,014	961	987	1,048	1,017	4,036	4,014	Manufacture of rubber products
119	103	87	87	83	480	360	Manufacture of rubber tyres for vehicles
35	36	40	42	41	131	160	Manufacture of interchangeable tyre treads and retreading rubber tyres
							Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
198	193	203	210	220	769	826	Rubber remilling and latex processing
496	470	503	553	524	1,974	2,050	Manufacture of rubber gloves
165	159	154	156	149	683	618	Manufacture of other rubber products n.e.c.
2,041	2,010	2,093	2,079	2,110	8,102	8,291	Manufacture of plastics products
							Manufacture of semi-manufactures of plastic products
672	643	634	599	635	2,748	2,511	Manufacture of finished plastic products
512	528	578	593	596	2,207	2,294	Manufacture of plastic articles for the packing of goods
29	31	30	28	30	119	119	Manufacture of builders' plastics ware
144	148	156	163	171	584	639	Manufacture of plastic tableware, kitchenware and toilet articles
684	660	696	695	677	2,444	2,728	Manufacture of diverse plastic products n.e.c.
232	230	243	239	232	921	945	Manufacture of glass and glass products

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	181	182	180	179	180	176	180	183	183	185	186	189
	16211 Pembuatan kepingan venier dan papan lapis	84	86	85	83	85	83	88	89	89	89	91	90
	16212 Pembuatan papan partikel dan papan gentian	28	27	27	27	26	24	26	27	27	27	28	29
	16221 Pertukangan kayu untuk jurubina	41	41	40	41	40	41	40	40	39	40	38	38
	Industri lain	28	28	29	28	28	28	27	27	28	29	29	32
170	Pembuatan kertas dan produk kertas	180	186	182	175	174	174	173	175	179	182	180	188
	17010 Pembuatan pulpa, kertas dan kertas tebal	21	24	22	20	18	18	18	19	19	21	20	21
	17020 Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	76	75	75	74	76	75	76	76	78	79	78	78
	17091 Pembuatan sampul surat dan kad surat	4	4	4	4	4	4	4	4	4	5	5	5
	17092 Pembuatan kertas kegunaan rumah dan pembersih peribadi	33	38	37	32	32	32	29	31	32	32	31	36
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	21	21	21	21	21	21	21	20	20	21	21	20
	Industri lain	24	23	23	24	24	24	24	24	25	25	25	28
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	204	193	197	197	203	200	196	197	191	193	199	213
	18110 Percetakan	170	162	166	168	172	170	165	166	162	163	169	182
	18120 Aktiviti perkhidmatan berkaitan percetakan &	33	31	31	29	31	31	30	31	29	30	30	31
	18200 Penerbitan semula media rakaman												
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	216	212	249	188	187	195	190	194	208	217	207	240
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	282	279	302	280	255	266	265	256	252	255	256	272
	20111 Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	26	31	33	27	27	27	30	30	31	32	32	32
	20112 & 20113 Pembuatan kimia organik asas												
	20113 Pembuatan sebatian bukan organik	150	146	155	146	125	136	133	126	122	125	126	137
	20121 & 20129 Pembuatan bajaPembuatan produk campuran nitrogen	26	24	26	25	25	25	24	23	23	22	22	22
	20131 Pembuatan plastik dalam bentuk primer	69	69	78	72	69	69	70	68	68	68	68	73
	Industri lain	11	10	10	10	8	8	8	8	8	9	8	9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	227	232	229	222	217	218	225	227	224	225	221	243
	20210 Pembuatan racun perosak dan produk agrokimia lain	22	22	27	27	27	27	26	23	24	26	25	26
	20221 Pembuatan cat, varnis dan penyadur dan mastik	34	38	33	34	33	34	34	37	36	35	34	37
	20222 Pembuatan dakwat cetak	18	18	18	18	18	17	18	18	17	17	17	17
	20231 & 20232 Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	74	83	79	75	72	72	75	76	72	70	69	79
	20291 & 20292 Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials												
	20292 & 20299 Pembuatan dakwat menulis dan melukis	75	68	68	66	64	64	69	71	73	75	74	81
	20299 Pembuatan produk kimia lain t.t.t.l. Industri lain	3	3	3	3	3	3	3	2	2	2	2	2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	65	61	62	68	64	65	67	69	68	70	67	78
	21001 Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	52	48	49	54	50	50	51	53	52	53	51	62
	Industri lain	13	13	13	14	15	14	16	16	16	17	16	16
221	Pembuatan produk getah	309	315	319	321	331	350	356	367	354	344	341	329
	22111 Pembuatan tayar getah untuk kenderaan	40	39	36	40	40	39	42	43	41	40	40	40
	22112 Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	9	9	11	10	11	11	11	12	12	12	12	12
	22191 & 22193 Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	59	59	64	65	64	63	65	65	66	66	65	67
	Pengilangan semula getah dan prosesan susu getah												
	22192 Pembuatan sarung tangan getah	143	153	148	149	161	181	178	189	176	169	169	158
	22199 Pembuatan produk getah lain yang t.t.t.l.	57	56	60	57	55	57	60	59	58	57	55	53
222	Pembuatan produk plastik	672	652	671	696	693	670	666	670	671	672	678	691
	22201 & 22202 Pembuatan produk plastik separa siap	244	246	222	239	238	225	214	225	224	222	225	224
	22202 Pembuatan produk plastik siap												
	22203 Pembuatan artikel plastik untuk pembungkusan barangan	179	166	205	202	204	194	199	175	172	168	168	175
	22204 Pembuatan barangan plastik jurubina	9	9	10	10	11	11	11	9	9	9	9	10
	22205 Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	48	48	49	49	49	49	48	50	49	50	46	48
	22209 Pembuatan pelbagai produk plastik t.t.t.l.	192	183	185	195	191	190	195	211	217	223	228	233
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	81	75	74	75	77	76	76	76	79	77	75	80

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
189	185	183	185	186	182	188	186	186	185	187	191	Manufacture of products of wood, cork, straw and plaiting materials
91	88	86	89	91	89	93	93	93	90	92	91	Manufacture of veneer sheets and plywood
29	29	29	26	26	24	24	23	24	24	25	25	Manufacture of particle board and fibreboard
38	38	38	39	39	39	41	40	39	41	39	44	Manufacture of builders' carpentry
31	30	31	31	30	30	29	29	29	29	30	31	Other industry
184	186	183	176	174	175	174	175	179	183	181	188	Manufacture of paper and paper products
21	22	22	21	19	18	18	18	19	20	19	20	Manufacture of pulp, paper and paperboard
80	78	78	75	74	77	74	76	78	78	77	77	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
5	4	5	5	4	4	5	5	5	5	5	5	Manufacture of envelopes and letter-card
35	38	36	33	34	33	35	32	34	34	33	38	Manufacture of household and personal hygiene paper
19	19	19	18	18	19	19	19	20	20	20	20	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
25	25	25	24	25	25	24	25	24	26	26	28	Other industry
204	210	209	209	214	213	210	206	197	200	207	219	Printing, service activities related to printing and reproduction of recorded media
170	178	177	178	180	180	176	172	164	166	173	184	Printing
34	33	32	31	34	33	33	35	33	34	34	35	Service activities related to printing
												Reproduction of recorded media
216	216	250	188	185	198	194	195	208	219	212	244	Manufacture of refined petroleum products
260	250	260	252	234	241	246	255	250	252	258	274	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
28	28	28	25	25	25	28	27	31	28	28	29	Manufacture of liquefied or compressed inorganic industrial or medical gases
116	113	116	119	101	107	104	108	103	110	115	124	Manufacture of basic organic chemicals
												Manufacture of inorganic compounds
												Manufacture of fertilizers
23	21	24	22	21	21	22	25	22	22	21	20	Manufacture of associated nitrogen products
84	79	84	77	79	80	84	86	85	85	86	93	Manufacture of plastics in primary forms
10	9	8	10	8	8	8	8	8	7	8	8	Other industry
233	248	250	239	222	226	229	232	229	230	226	249	Manufacture of other chemical products and man-made fibres
26	27	30	30	30	31	29	30	29	32	31	32	Manufacture of pesticides and other agrochemical products
37	44	38	39	37	38	38	37	35	34	35	38	Manufacture of paints, varnishes and similar coatings ink and mastics
15	16	15	16	14	14	14	13	13	13	13	15	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
70	79	82	72	71	72	72	74	71	71	68	80	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
82	81	83	80	68	69	74	76	78	78	77	83	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
2	2	2	2	2	2	2	2	2	2	2	2	Other industry
66	62	63	68	65	65	67	69	68	70	68	79	Manufacture of pharmaceuticals, medicinal chemical and botanical products
51	47	48	53	49	50	51	52	51	53	51	60	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
15	15	15	16	15	15	16	17	17	17	17	19	Other industry
325	318	318	315	326	347	340	353	355	346	342	330	Manufacture of rubber products
40	33	30	28	28	30	29	30	28	27	28	28	Manufacture of rubber tyres for vehicles
12	11	14	13	14	14	14	14	14	14	14	14	Manufacture of interchangeable tyre treads and retreading rubber tyres
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
66	60	67	66	68	69	70	69	72	73	72	75	Rubber remilling and latex processing
155	160	155	156	163	184	174	188	190	183	178	163	Manufacture of rubber gloves
53	54	52	52	52	50	53	53	51	49	50	50	Manufacture of other rubber products n.e.c.
678	663	668	702	707	683	696	696	687	693	702	714	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
220	221	202	214	216	204	193	203	203	208	211	216	Manufacture of finished plastic products
178	166	184	195	197	186	200	198	195	198	198	200	Manufacture of plastic articles for the packing of goods
10	10	11	10	10	10	10	9	10	10	10	10	Manufacture of builders' plastics ware
48	49	51	51	52	53	52	56	55	56	57	59	Manufacture of plastic tableware, kitchenware and toilet articles
222	217	221	232	232	231	241	230	224	221	226	229	Manufacture of diverse plastic products n.e.c.
77	75	79	81	82	81	80	80	80	77	77	78	Manufacture of glass and glass products

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : Salaries and Wages Paid of Manufacturing Sector by Group

1.6a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,717	3,799	3,936	914	932	952
23911 &	Pembuatan mortar refraktori dan konkrit	311	320	347	75	80	81
23921	Pembuatan seramik bukan refraktori						
23930	Pembuatan produk porselin dan seramik lain	170	146	151	37	35	37
23941	Pembuatan simen hidrolik	278	293	245	73	75	73
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	738	709	769	175	173	177
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;						
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,279	1,344	1,374	319	330	341
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	539	592	639	141	141	146
	Industri lain	402	394	412	95	99	97
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,368	2,396	2,395	631	596	569
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,396	1,467	1,590	394	363	347
243	Pengacuan logam	416	398	396	103	99	96
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,643	1,722	1,795	431	427	428
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	841	890	863	226	224	222
25119	Pembuatan produk struktur logam lain						
25120	Pembuatan tangki, takungan dan kontena daripada logam	609	631	734	154	153	157
	Industri lain	193	201	197	51	50	50
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,982	4,211	4,548	1,063	1,018	1,029
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	754	744	791	185	178	184
25920	Rawatan dan penyalutan logam; menggunakan mesin	509	485	496	128	124	115
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	476	555	631	134	128	138
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,020	1,124	1,256	277	273	277
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25994	Pembuatan barangan rumah daripada logam	65	65	70	16	16	17
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	973	1,028	1,095	272	249	247
	Industri lain	185	210	210	50	50	52
261	Pembuatan komponen dan papan elektronik	12,261	12,315	11,398	3,230	3,122	2,887
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	7,883	7,930	7,583	2,051	1,995	1,908
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro						
26103 &	Pembuatan kapasitor dan perintang elektrik						
26104 &	Pembuatan papan litar bercetak	3,901	3,912	3,342	1,056	1,004	870
26105	Pembuatan komponen paparan						
26109	Pembuatan komponen lain untuk aplikasi elektronik	477	473	473	123	123	109
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	3,001	3,095	3,480	748	746	768
263/ 26300	Pembuatan peralatan komunikasi	789	783	798	211	198	178
264/ 26400	Pembuatan peralatan elektronik pengguna	1,341	1,338	1,008	329	311	339
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	2,450	2,973	3,592	629	755	785
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	2,275	2,786	3,405	582	711	736
26512	Pembuatan kelengkapan kawalan proses perindustrian						
26520	Pembuatan jam tangan dan jam dan bahagiannya	175	187	186	47	44	49
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	736	728	783	192	194	169

							Group Description/Period
2024				2023		2024	
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
1,001	971	968	973	1,024	3,799	3,936	Manufacture of non-metallic mineral products n.e.c.
							Manufacture of refractory mortars and concretes
84	88	86	84	89	320	347	Manufacture of non-refractory ceramic
37	34	36	41	41	146	151	Manufacture of other porcelain and ceramic products
73	67	61	59.09	57	293	245	Manufacture of hydraulic cement
185	189	188	189	204	709	769	Manufacture of ready-mix and dry-mix concrete and mortars
							Manufacture of precast concrete, cement or artificial stone articles for use in construction
355	337	338	344	355	1,344	1,374	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
164	157	154	156	172	592	639	Manufacture of other articles of concrete, cement and plaster n.e.c.
104	101	105	100	106	394	412	Manufacture of other non-metallic mineral products n.e.c.
							Other industry
600	630	591	571	603	2,396	2,395	Manufacture of basic iron and steel
364	410	401	386	393	1,467	1,590	Manufacture of basic precious and other non-ferrous metals
100	104	98	97	97	398	396	Casting of metals
435	460	438	449	448	1,722	1,795	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
							Manufacture of metal doors, windows and their frames, shutters and gates
218	220	212	215	216	890	863	Manufacture of other structural metal products
167	188	177	185	185	631	734	Manufacture of tanks, reservoirs and containers of metal
51	52	49	49	47	201	197	Other industry
1,101	1,142	1,134	1,120	1,152	4,211	4,548	Manufacture of other fabricated metal products; metal working service activities
							Forging, pressing, stamping and roll-forming of metal; powder metallurgy
197	192	190	197	213	744	791	Treatment and coating of metals; machining
118	130	129	114	123	485	496	Manufacture of tins and cans for food products, collapsible tubes and boxes
156	156	154	156	165	555	631	Manufacture of metal cable, plaited bands and similar articles
							Manufacture of bolts, screws, nuts and similar threaded products
297	325	319	312	300	1,124	1,256	Manufacture of metal household articles
17	17	17	17	17	65	70	Manufacture of any other fabricated metal products n.e.c.
259	271	278	270	277	1,028	1,095	Other industry
57	51	48	53	57	210	210	
3,076	2,989	2,853	2,695	2,861	12,315	11,398	Manufacture of electronic components and boards
							Manufacture of diodes, transistors and similar semiconductor devices
1,976	1,948	1,849	1,844	1,942	7,930	7,583	Manufacture of electronic integrated circuits micro assemblies
							Manufacture of electrical capacitors and resistors
983	915	882	738	807	3,912	3,342	Manufacture of printed circuit boards
							Manufacture of display components
117	126	123	112	112	473	473	Manufacture of other components for electronic applications
834	786	789	907	998	3,095	3,480	Manufacture of computers and peripheral equipment
197	198	202	190	208	783	798	Manufacture of communication equipment
360	311	248	200	249	1,338	1,008	Manufacture of consumer electronics
804	796	955	899	941	2,973	3,592	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
							Manufacture of measuring, testing, navigating and control equipment
756	748	909	852	897	2,786	3,405	Manufacture of industrial process control equipment
47	48	47	47	45	187	186	Manufacture of watches and clocks and parts
173	197	191	197	198	728	783	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	312	298	305	304	314	314	313	314	325	326	333	342
23911 & 23921	Pembuatan mortar refraktori dan konkrit	25	24	26	26	27	28	27	27	27	27	27	30
23930	Pembuatan seramik bukan refraktori	15	11	11	11	12	12	12	12	12	12	12	13
23941	Pembuatan produk porselin dan seramik lain	26	24	24	24	26	25	25	24	24	23	24	26
23951	Pembuatan simen hidrolik	59	58	58	57	58	58	58	58	61	60	61	63
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;	109	103	107	107	112	111	114	112	115	116	123	117
23990	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	46	47	47	44	49	48	46	49	51	53	53	58
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	32	31	32	34	32	32	32	32	33	34	34	36
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan produk mineral bukan logam lain t.t.t.l.	215	207	208	202	201	194	188	189	192	191	192	217
242 (24201 & 24202 & 24209)	Pembuatan besi dan keluli asas	131	135	128	121	122	119	117	114	116	118	118	129
243	Pembuatan logam asas berharga dan logam bukan ferus lain	36	33	34	33	33	33	31	32	33	33	33	35
251 & 252	Pengacuan logam	144	143	144	141	144	142	143	143	142	141	142	153
25113 & 25119	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	75	75	77	74	76	74	75	74	73	72	72	74
25120	Pembuatan produk struktur logam lain	52	51	51	51	52	51	52	52	53	52	53	62
	Pembuatan tangki, takungan dan kontena daripada logam	17	17	17	17	17	16	16	17	17	17	17	17
259	Industri lain	354	358	351	337	344	337	336	342	352	357	358	386
25910	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	63	62	60	60	61	58	60	62	63	63	63	71
25920	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	43	44	42	41	41	41	41	37	37	37	36	45
25991	Rawatan dan penyalutan logam; menggunakan mesin	46	45	44	42	43	43	43	46	49	50	53	53
25992 & 25993	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	90	94	93	88	93	92	91	91	94	97	97	104
25994	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	5	5	5	5	5	5	6	6	6	6	6	6
25999	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	93	91	89	83	84	82	79	83	85	87	85	88
	Pembuatan barangan rumah daripada logam	15	18	18	18	16	16	16	17	18	19	19	20
261	Pembuatan produk lain yang direka daripada logam t.t.t.l.	1,055	1,103	1,073	1,046	1,046	1,029	942	957	988	985	980	1,112
26101 & 26102	Industri lain	668	688	695	678	656	661	626	638	644	640	625	712
26103 & 26104 & 26105	Pembuatan komponen dan papan elektronik	346	374	336	327	350	328	277	285	307	306	318	358
26109	Pembuatan papan litr berceetak	41	41	42	41	41	41	39	34	37	38	37	42
262 (26201 & 26202)	Pembuatan komponen paparan	252	259	237	248	262	236	251	250	267	263	263	309
263/ 26300	Pembuatan komponen lain untuk aplikasi elektronik	72	69	70	67	64	67	56	62	60	59	72	66
264/ 26400	Pembuatan komputer dan kelengkapan peranti	113	104	112	101	104	106	105	112	121	121	120	118
265	Pembuatan peralatan komunikasi	200	208	222	231	253	271	261	260	264	262	262	280
26511 & 26512	Pembuatan peralatan elektronik pengguna	184	193	206	217	238	257	244	244	248	246	246	264
26520	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	16	15	15	15	15	14	17	16	16	16	16	15
266/ 26600	Pembuatan kelengkapan kawalan proses perindustrian	63	66	64	67	64	63	58	56	56	56	54	63
	Pembuatan jam tangan dan jam dan bahagiannya												
	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik												

2024												Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
330	318	323	322	324	322	323	323	327	335	340	349	Manufacture of non-metallic mineral products n.e.c.
29	29	30	29	29	28	28	28	29	28	28	32	Manufacture of refractory mortars and concretes
11	11	11	11	12	12	13	14	14	13	13	14	Manufacture of non-refractory ceramic
26	21	21	20	21	20	22	18	19	19	19	20	Manufacture of other porcelain and ceramic products
63	62	64	63	62	63	62	62	65	66	67	71	Manufacture of hydraulic cement
												Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
115	109	112	111	114	113	115	115	114	119	121	115	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
53	54	51	50	52	52	49	53	53	56	57	60	Manufacture of other articles of concrete, cement and plaster n.e.c.
33	33	34	37	34	33	34	32	34	34	35	37	Manufacture of other non-metallic mineral products n.e.c.
												Other industry
220	202	207	202	197	193	187	189	195	191	194	218	Manufacture of basic iron and steel
135	140	135	135	135	131	131	126	129	126	126	141	Manufacture of basic precious and other non-ferrous metals
36	35	33	34	32	32	32	32	33	33	32	33	Casting of metals
158	152	150	143	148	146	150	151	148	148	146	153	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
78	70	72	69	72	71	71	73	70	72	71	73	Manufacture of metal doors, windows and their frames, shutters and gates
63	63	61	58	60	59	62	61	62	61	60	65	Manufacture of other structural metal products
17	18	17	16	16	16	16	17	16	16	16	16	Manufacture of tanks, reservoirs and containers of metal
												Other industry
382	381	379	377	382	376	368	373	378	376	374	402	Manufacture of other fabricated metal products; metal working service activities
65	63	64	64	65	61	63	66	67	68	68	76	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
43	44	43	44	44	41	41	37	37	41	38	45	Treatment and coating of metals; machining
53	53	50	50	52	51	53	52	52	53	55	57	Manufacture of tins and cans for food products, collapsible tubes and boxes
106	109	110	105	106	108	103	104	105	99	97	104	Manufacture of metal cable, plaited bands and similar articles
6	6	6	6	6	6	6	6	6	6	6	6	Manufacture of bolts, screws, nuts and similar threaded products
91	90	90	92	94	92	86	90	93	91	91	95	Manufacture of metal household articles
19	16	16	16	16	16	16	18	19	19	19	20	Manufacture of any other fabricated metal products n.e.c.
												Other industry
1,005	1,008	976	936	960	957	879	894	921	914	919	1,028	Manufacture of electronic components and boards
646	655	647	617	606	626	600	620	624	622	620	700	Manufacture of diodes, transistors and similar semiconductor devices
												Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
316	312	288	278	313	291	237	239	262	256	263	288	Manufacture of printed circuit boards
												Manufacture of display components
43	41	42	41	41	41	42	36	35	36	36	40	Manufacture of other components for electronic applications
268	267	251	255	264	271	290	296	321	318	312	369	Manufacture of computers and peripheral equipment
65	67	66	64	68	69	64	63	64	63	76	70	Manufacture of communication equipment
119	101	91	83	86	80	62	67	72	82	81	85	Manufacture of consumer electronics
246	266	285	290	311	354	335	282	281	306	305	331	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
230	250	269	275	295	339	319	267	266	291	289	316	Manufacture of measuring, testing, navigating and control equipment
												Manufacture of industrial process control equipment
16	16	16	15	16	16	16	15	15	15	15	14	Manufacture of watches and clocks and parts
64	66	67	64	67	60	67	64	67	66	65	66	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.6a

: Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
: Salaries and Wages Paid of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	500	499	527	124	122	123
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,246	1,241	1,279	322	300	309
27101	Pembuatan motor elektrik, penjana dan transformer	474	489	525	116	118	126
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	772	751	754	207	181	183
272/ 27200	Pembuatan bateri dan akumulator	481	550	595	135	132	141
273	Pembuatan pendawaian dan peranti pendawaian	1,133	1,069	922	278	269	274
27310	Pembuatan kabel gentian optikal	84	92	96	21	23	24
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1,011	946	791	250	238	241
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	39	31	35	8	8	8
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	248	249	289	61	54	66
275/ 27500	Pembuatan perkakasan domestik	436	395	349	94	98	106
279/ 27900	Pembuatan kelengkapan elektrik lain	395	444	512	116	104	107
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,424	4,451	4,418	1,148	1,080	1,084
28120 & 28130	Pembuatan alat-alat kuasa bendalir	348	361	254	85	89	91
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	919	899	894	221	220	224
28192	Pembuatan jentera pembentukan logam dan alatan mesin						
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	743	637	649	185	151	147
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	525	513	492	142	134	118
	Industri lain	1,889	2,042	2,129	515	486	505
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,152	1,110	1,015	270	274	279
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	344	401	419	97	92	102
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,030	2,115	2,249	511	547	518
301 (30110 & 30120)	Pembinaan kapal dan bot	281	312	364	77	75	76
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	861	859	868	220	218	209
30910	Pembuatan motosikal	534	534	551	133	135	132
30920	Pembuatan basikal dan invalid carriages	121	106	86	31	30	24
	Industri lain	206	219	230	56	54	53
310	Pembuatan perabot	2,556	2,687	2,716	683	655	660
31001	Pembuatan perabot kayu dan rotan	2,025	2,192	2,212	553	537	540
	Industri lain	530	494	503	130	118	120
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	261	257	264	67	60	61
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	732	738	792	179	180	185
32901	Pembuatan alat tulis	153	148	153	37	36	39
	Industri lain	579	590	639	142	144	146
323/ 32300	Pembuatan barangan sukan	71	68	57	19	18	16
324/ 32400	Pembuatan permainan dan mainan	236	263	242	63	66	66
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,319	1,407	1,420	359	355	338
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	275	312	305	80	76	69
	Industri lain	1,043	1,095	1,115	279	279	269
Jumlah Pembuatan		94,528	97,789	99,268	24,517	24,165	24,068

							(RM Juta/million)
2024				2023		2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
131	138	129	126	134	499	527	Manufacture of optical instruments, photographic equipment, magnetic and optical media
309	316	322	327	314	1,241	1,279	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
130	128	125	137	134	489	525	Manufacture of electric motors, generators and transformers
180	188	196	190	180	751	754	Manufacture of electricity distribution and control apparatus
143	142	157	154	141	550	595	Manufacture of batteries and accumulators
248	235	223	234	230	1,069	922	Manufacture of wiring and wiring devices
24	21	24	25	25	92	96	Manufacture of fibre optic cables
216	205	189	200	197	946	791	Manufacture of other electronic and electric wires and cables
8	9	9	9	8	31	35	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
68	70	66	76	76	249	289	Manufacture of electric lighting equipment
97	96	82	85	86	395	349	Manufacture of domestic appliances
117	117	125	129	141	444	512	Manufacture of other electrical equipment
1,139	1,130	1,053	1,077	1,158	4,451	4,418	Manufacture of general-purpose and special-purpose machinery
							Manufacture of fluid power equipment
96	59	58	62	75	361	254	
							Manufacture of other pumps, compressors, taps and valves
							Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
234	217	205	222	250	899	894	
							Manufacture of metal-forming machinery and machine tools
154	181	154	150	164	637	649	Manufacture of air-conditioning machines, including for motor vehicles
119	125	120	120	128	513	492	Manufacture of other special-purpose machinery n.e.c.
536	548	516	523	542	2,042	2,129	Other industry
287	261	243	248	264	1,110	1,015	Manufacture of motor vehicles
110	106	102	105	107	401	419	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
538	525	587	563	575	2,115	2,249	Manufacture of parts and accessories for motor vehicles
83	90	89	90	95	312	364	Building of ships and boats
212	218	220	212	218	859	868	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
135	136	138	134	142	534	551	Manufacture of motorcycles
22	22	22	23	21	106	86	Manufacture of bicycles and invalid carriages
55	60	60	55	55	219	230	Other industry
689	694	664	665	693	2,687	2,716	Manufacture of furniture
562	569	542	538	563	2,192	2,212	Manufacture of wooden and cane furniture
126	125	122	127	129	494	503	Other industry
68	67	66	64	66	257	264	Manufacture of jewellery, bijouterie and related articles
194	191	190	198	213	738	792	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
37	37	36	40	40	148	153	Manufacture of stationery
157	155	154	157	173	590	639	Other industry
16	16	14	13	13	68	57	Manufacture of sports goods
67	55	62	63	62	263	242	Manufacture of games and toys
355	362	359	342	357	1,407	1,420	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
87	86	84	66	69	312	305	Repair and maintenance of transport equipment except motorcycles and bicycles
268	276	274	276	288	1,095	1,115	Other industry
25,039	24,823	24,500	24,474	25,470	97,789	99,268	Total Manufacturing

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Temph	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan pengagihan dan pengawalan elektrik	41	40	44	41	39	42	40	41	42	42	43	45
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	111	104	107	97	101	102	104	103	102	100	97	112
27101	Pembuatan motor elektrik, penjana dan transformer	42	37	36	38	40	41	40	42	43	44	43	43
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	69	67	70	59	62	61	64	61	59	56	55	69
272/ 27200	Pembuatan bateri dan akumulator	43	46	45	42	47	43	46	47	48	48	48	47
273	Pembuatan pendawaian dan peranti pendawaian	95	94	89	84	90	95	91	92	90	87	82	79
27310	Pembuatan kabel gentian optikal	7	7	7	7	8	8	8	8	8	8	7	8
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	85	85	80	75	79	85	80	82	79	76	72	68
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3	3	3	2	3	3	3	3	3	3	3	2
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	22	21	18	17	18	19	21	23	22	22	21	26
275/ 27500	Pembuatan perkakasan domestik	30	32	31	25	36	36	36	36	34	33	32	33
279/ 27900	Pembuatan kelengkapan elektrik lain	40	39	37	33	34	37	35	35	37	38	36	42
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	393	384	371	363	360	357	354	363	367	370	368	400
28120 & 28130	Pembuatan alat-alat kuasa bendalir	28	28	28	29	30	30	30	31	30	31	29	37
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	75	72	75	72	74	74	73	75	76	75	77	82
28192	Pembuatan jentera pembentukan logam dan alatan mesin												
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	60	63	61	51	50	50	49	48	49	49	50	55
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	49	49	44	45	45	45	44	36	37	39	38	42
		181	172	162	166	162	158	158	173	175	177	174	185
291 (29101 & 29102)	Pembuatan kenderaan bermotor	92	93	85	90	92	92	91	94	93	93	92	103
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	33	33	30	30	31	31	31	35	36	36	36	38
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	166	171	174	181	184	183	175	171	172	173	174	191
301 (30110 & 30120)	Pembinaan kapal dan bot	24	24	29	24	26	25	25	25	26	26	28	29
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	72	74	74	74	74	71	71	68	70	72	69	71
30910	Pembuatan motosikal	43	45	45	46	46	43	43	43	46	47	43	45
30920	Pembuatan basikal dan invalid carriages	10	10	11	10	10	10	9	7	7	7	8	8
	Industri lain	19	18	19	18	19	18	19	17	17	18	18	19
310	Pembuatan perabot	233	225	224	217	223	215	216	218	226	226	226	237
31001	Pembuatan perabot kayu dan rotan	190	182	181	174	185	178	177	178	185	184	184	194
	Industri lain	44	43	43	43	38	37	39	40	41	42	42	42
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	23	22	22	22	20	18	20	20	21	21	23	24
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	61	60	58	58	62	60	60	62	63	63	63	68
32901	Pembuatan alat tulis	12	13	12	12	12	12	12	13	13	12	12	12
	Industri lain	49	47	46	46	50	48	48	48	50	51	51	56
323/ 32300	Pembuatan barangan sukan	6	6	6	6	6	6	6	5	5	5	5	5
324/ 32400	Pembuatan permainan dan mainan	21	21	22	20	22	23	21	22	23	22	20	25
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	119	120	120	122	119	115	113	113	113	113	118	124
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	26	28	26	26	25	25	23	23	23	24	29	34
	Industri lain	93	92	93	96	94	90	90	90	89	89	89	90
Jumlah Pembuatan		8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001	8,135	8,146	8,149	8,744

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
44	45	49	44	42	44	42	41	43	43	43	48	Manufacture of optical instruments, photographic equipment, magnetic and optical media
109	104	103	101	110	111	112	108	108	104	98	112	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
46	41	41	38	43	44	45	45	47	45	44	45	Manufacture of electric motors, generators and transformers
63	64	61	63	67	67	66	63	61	58	54	67	Manufacture of electricity distribution and control apparatus
44	50	48	50	54	53	52	51	52	50	47	44	Manufacture of batteries and accumulators
80	78	77	68	78	77	81	78	75	79	72	79	Manufacture of wiring and wiring devices
7	7	7	8	8	9	9	8	8	8	8	9	Manufacture of fibre optic cables
70	67	67	57	67	65	69	67	64	68	61	68	Manufacture of other electronic and electric wires and cables
3	3	3	3	3	3	3	3	3	3	3	3	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
24	23	23	20	23	23	26	26	25	24	24	28	Manufacture of electric lighting equipment
32	32	32	25	29	29	28	30	27	27	29	30	Manufacture of domestic appliances
42	37	38	40	41	44	41	43	45	45	47	50	Manufacture of other electrical equipment
386	380	365	356	349	347	355	356	366	375	375	408	Manufacture of general-purpose and special-purpose machinery
20	20	19	19	20	20	20	21	21	24	23	27	Manufacture of fluid power equipment
												Manufacture of other pumps, compressors, taps and valves
74	75	68	67	69	69	72	72	79	80	79	90	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
												Manufacture of metal-forming machinery and machine tools
58	63	61	51	51	51	51	49	50	51	54	59	Manufacture of air-conditioning machines, including for motor vehicles
44	41	40	41	39	40	39	40	41	42	42	43	Manufacture of other special-purpose machinery n.e.c.
190	181	177	178	170	168	173	175	175	177	177	188	Other industry
90	90	81	80	82	81	80	84	84	83	82	99	Manufacture of motor vehicles
36	36	33	34	34	34	35	35	35	35	35	37	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
172	176	176	195	197	195	188	188	187	191	187	198	Manufacture of parts and accessories for motor vehicles
29	28	32	29	30	30	30	30	31	31	32	33	Building of ships and boats
71	73	74	74	75	72	72	69	71	72	72	73	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
45	45	47	46	47	45	44	44	46	47	47	48	Manufacture of motorcycles
7	7	7	7	7	7	9	7	7	7	7	7	Manufacture of bicycles and invalid carriages
19	21	21	20	20	19	19	18	18	18	18	18	Other industry
237	229	228	221	226	217	217	220	227	227	227	239	Manufacture of furniture
194	188	187	180	185	177	175	178	184	183	184	196	Manufacture of wooden and cane furniture
43	42	41	41	41	40	42	42	43	44	43	43	Other industry
22	23	23	22	22	22	22	21	21	22	21	23	Manufacture of jewellery, bijouterie and related articles
64	64	64	63	64	63	65	66	66	68	70	75	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
12	12	12	12	12	12	13	14	14	13	13	14	Manufacture of stationery
51	52	52	52	52	51	53	52	53	55	57	61	Other industry
5	5	5	5	5	5	5	4	4	4	4	5	Manufacture of sports goods
18	18	20	21	21	21	20	21	21	20	20	22	Manufacture of games and toys
120	121	121	123	120	116	114	114	114	115	119	124	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
27	30	29	30	28	27	22	22	22	21	23	25	Repair and maintenance of transport equipment except motorcycles and bicycles
93	91	92	93	92	89	92	92	91	94	96	99	Other industry
8,350	8,243	8,230	8,112	8,191	8,198	8,124	8,119	8,231	8,282	8,298	8,890	Total Manufacturing

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	1.8	17.9	0.2	17.2	22.0	21.7
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.7	6.0	0.5	6.0	6.6	7.8
	10201 Pengetinan ikan, krustasea dan moluska						
	&						
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.0	7.4	-2.3	8.3	8.7	10.7
	Industri lain	3.6	0.3	12.4	-3.0	-1.7	-3.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.8	17.9	-3.8	18.5	23.8	16.8
	10303 Pengetinan nanas						
	&						
	10304 Pembuatan jem, marmalad dan sajian jeli	-25.2	39.3	-4.0	56.6	54.8	29.4
	Industri lain	12.0	16.6	-3.8	16.4	22.0	15.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.6	7.9	6.9	8.5	7.8	7.8
	10404 Pembuatan minyak sayuran mentah dan bertapis						
	&						
	10406 Pembuatan sebatian lemak masakan	6.9	-0.1	2.8	5.5	1.9	-6.1
	10405 Pembuatan minyak kelapa	-2.9	22.9	5.8	11.5	11.2	34.0
	Industri lain	7.0	8.1	7.3	8.7	8.2	8.1
105	Pembuatan produk tenusu	8.9	5.3	8.8	1.8	2.3	3.6
	10502 Pembuatan susu pekat, tepung dan sejat	10.0	5.1	9.4	2.3	2.8	1.9
	Industri lain	0.8	7.4	3.9	-1.6	-1.7	18.4
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	3.9	-8.9	2.7	6.1	3.4
	10611 Pengilangan beras	1.3	3.9	-7.1	6.0	5.5	4.2
	10613 Pengilangan tepung	0.7	4.4	-11.4	-0.7	7.1	3.2
	Industri lain	0.6	-0.1	-5.1	1.7	3.2	-0.8
107	Pembuatan produk makanan lain	9.8	7.9	2.7	8.2	5.3	8.5
	10711 Pembuatan biskut dan cookies	17.0	14.3	5.9	12.6	10.9	16.8
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.1	6.7	3.5	9.1	6.5	6.5
	10713 Pembuatan produk snek	13.5	7.9	13.9	12.3	3.0	6.0
	10721 Pembuatan gula	7.3	-11.9	9.2	-22.0	-17.3	-10.9
	10731 Pembuatan produk koko	13.2	4.9	-1.1	-4.8	3.9	12.2
	10732 Pembuatan coklat dan produk coklat						
	&						
	10733 Pembuatan konfeksi gula	15.6	1.0	-2.3	2.4	-7.1	1.1
	10793 Pembuatan sos dan bahan perasa	1.6	16.3	20.8	9.1	12.3	18.8
	10799 Pembuatan produk makanan lain t.t.t.l.	26.4	17.2	-5.3	18.9	15.8	19.0
	Industri lain	10.3	4.3	-2.2	6.4	2.7	4.3
108/ 10800	Pembuatan makanan haiwan tersedia	1.5	7.6	-0.3	7.2	6.4	8.1
110	Pembuatan minuman ringan	4.8	7.7	7.3	6.9	8.3	8.5
	11041 Pembuatan minuman ringan	9.0	9.4	6.9	11.9	12.6	8.8
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-0.8	1.4	2.9	-5.5	-2.1	5.2
	Industri lain	-15.2	12.9	28.0	3.3	1.8	18.0
120/ 12000	Pembuatan produk tembakau	2.6	4.8	-0.6	4.5	8.5	5.2
131	Pemintalan, penenunan dan penyiapan tekstil	7.8	-2.5	2.9	-4.4	-2.1	-0.3
	13110 Penyediaan dan pemintalan gentian tekstil						
	&						
	13120 Penenunan tekstil	7.2	0.3	4.1	-4.9	1.5	4.7
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	9.5	-8.9	0.8	-3.6	-9.8	-12.0
	Industri lain	1.5	1.4	-6.0	-1.0	-3.8	10.8
139	Pembuatan tekstil lain	-2.9	13.1	1.0	12.3	16.9	12.8
	13910 Pembuatan fabrik dikait dan dikrusye	-12.6	3.3	-3.8	-5.4	10.6	6.3
	Industri lain	2.0	17.5	2.8	20.5	19.6	15.5
141	Pembuatan pakaian, kecuali pakaian berbulu	5.9	5.8	1.0	6.0	8.5	5.6
	14102 Pembuatan pakaian	3.2	6.3	5.3	7.7	9.2	5.2
	Industri lain	12.1	4.8	-8.1	2.7	7.0	6.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.9	-1.6	3.4	-5.5	-7.2	1.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1.5	5.2	5.3	4.3	8.4	5.1
152	Pembuatan kasut	7.6	6.5	2.0	6.0	6.1	6.9
	15201 Pembuatan kasut kulit						
	&						
	15203 Pembuatan kasut getah	9.1	2.8	-5.3	5.8	4.6	2.0
	Industri lain	3.7	16.2	18.8	6.6	9.9	19.9
161/ 16100	Pengilangan dan pengetaman kayu	-5.0	1.1	6.9	-2.2	-1.6	3.7

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
11.6	0.01	-2.0	1.2	1.6	17.9	0.2	Processing and preserving of meat
3.6	0.03	-1.2	1.9	1.3	6.0	0.5	Processing and preserving of fish, crustaceans and molluscs
2.2	-3.3	-4.2	-1.4	-0.4	7.4	-2.3	Canning of fish, crustaceans and molluscs
9.2	15.0	11.7	15.9	7.7	0.3	12.4	Processing, curing and preserving of fish, crustacean and molluscs
12.6	2.8	-5.5	-4.7	-7.7	17.9	-3.8	Other industry
							Processing and preserving of fruits and vegetable
20.9	-4.0	-8.1	-4.1	0.9	39.3	-4.0	Pineapple canning
12.0	3.3	-5.3	-4.7	-8.4	16.6	-3.8	Manufacture of jams, marmalades and table jellies
7.5	5.7	8.7	7.1	6.2	7.9	6.9	Other industry
-1.2	-1.8	-3.0	7.9	8.7	-0.1	2.8	Manufacture of vegetable and animal oils and fats
36.3	14.9	11.0	-0.3	-0.8	22.9	5.8	Manufacture of crude and refined vegetable oil
7.3	5.9	9.5	7.4	6.3	8.1	7.3	Manufacture of compound cooking fats
13.9	9.8	6.5	10.2	8.8	5.3	8.8	Manufacture of coconut oil
13.6	10.2	6.1	11.5	10.0	5.1	9.4	Manufacture of dairy products
16.3	6.0	9.6	0.7	-0.1	7.4	3.9	Manufacture of condensed, powdered and evaporated milk
3.3	-6.1	-12.5	-9.9	-6.9	3.9	-8.9	Other industry
0.03	-6.20	-7.8	-8.4	-5.9	3.9	-7.1	Manufacture of grain mill products, starches and starch products
8.0	-5.8	-18.9	-12.4	-7.9	4.4	-11.4	Rice milling
-4.3	-7.5	-2.8	-3.5	-6.6	-0.1	-5.1	Flour milling
9.3	5.6	3.9	1.5	0.2	7.9	2.7	Other industry
16.8	6.2	5.5	6.2	5.7	14.3	5.9	Manufacture of other food products
5.1	4.4	4.0	2.5	3.3	6.7	3.5	Manufacture of biscuits and cookies
10.3	12.8	18.7	14.2	10.3	7.9	13.9	Manufacture of bread, cakes and other bakery products
5.6	10.3	10.2	3.6	12.5	-11.9	9.2	Manufacture of snack products
8.9	0.6	1.2	-1.7	-4.4	4.9	-1.1	Manufacture of sugar
7.4	2.4	2.5	-6.7	-6.7	1.0	-2.3	Manufacture of cocoa products
24.8	29.2	18.2	20.0	16.7	16.3	20.8	Manufacture of chocolate and chocolate products
15.2	2.7	-3.0	-10.3	-9.7	17.2	-5.3	Manufacture of sugar confectionery
3.8	-0.3	-1.2	-1.6	-5.6	4.3	-2.2	Manufacture of sauces and condiments
8.4	-0.7	-2.2	0.9	0.5	7.6	-0.3	Manufacture of other food products n.e.c.
7.2	6.7	7.2	7.4	7.9	7.7	7.3	Other industry
5.1	4.2	5.0	7.7	10.4	9.4	6.9	Manufacture of prepared animal feeds
8.4	7.2	3.9	2.5	-1.8	1.4	2.9	Manufacture of beverages
28.2	33.8	48.6	21.7	13.3	12.9	28.0	Manufacture of soft drinks
1.7	-3.5	-1.4	2.2	0.7	4.8	-0.6	Production of natural mineral waters and other bottled waters
-3.0	1.5	4.7	2.4	3.1	-2.5	2.9	Other industry
0.1	4.8	6.1	2.6	3.0	0.3	4.1	Manufacture of tobacco products
-10.1	-5.8	1.6	3.2	4.7	-8.9	0.8	Spinning, weaving and finishing of textiles
0.03	-0.82	2.6	-10.5	-15.0	1.4	-6.0	Preparation and spinning of textile fibres
10.8	3.0	0.2	0.8	-0.1	13.1	1.0	Weaving of textiles
2.3	0.9	-2.3	-2.8	-10.6	3.3	-3.8	Dyeing, bleaching, printing and finishing of yarns and fabrics
14.5	3.8	1.2	2.2	4.1	17.5	2.8	Other industry
3.4	2.7	1.5	0.9	-1.2	5.8	1.0	Manufacture of other textiles
3.4	7.1	5.5	5.5	3.1	6.3	5.3	Manufacture of knitted and crocheted fabrics
3.4	-6.5	-6.7	-8.5	-10.8	4.8	-8.1	Other industry
5.5	6.4	4.5	0.9	2.1	-1.6	3.4	Manufacture of wearing apparel, except fur
3.1	-0.2	4.6	8.6	7.9	5.2	5.3	Manufacture of clothings
7.1	2.7	0.6	1.7	3.1	6.5	2.0	Other industry
-1.1	-6.6	-7.2	-4.9	-2.2	2.8	-5.3	Manufacture of articles of fur, knitted and crocheted apparel
29.0	26.1	19.7	16.7	13.8	16.2	18.8	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
4.7	2.0	6.5	8.7	10.4	1.1	6.9	Manufacture of footwear
							Manufacture of leather footwear
							Manufacture of rubber footwear
							Other industry
							Sawmilling and planning of wood

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor
Table : *Salaries and Wages Paid of Manufacturing*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
101	Pemprosesan dan pengawetan daging	16.1	17.3	18.5	20.9	21.0	24.0	20.0	20.7	24.3	24.2	13.6	-0.4
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.6	7.2	7.3	4.6	7.4	7.9	7.6	7.5	8.3	3.9	2.6	4.3
	10201 Pengetinan ikan, krustasea dan moluska												
	&	5.7	8.8	10.4	6.5	10.5	9.1	11.2	10.6	10.4	4.3	0.7	1.8
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska												
	Industri lain	-5.0	0.9	-4.7	-2.9	-4.5	2.6	-5.9	-3.6	0.3	2.2	10.6	15.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	15.3	19.7	20.6	25.0	23.2	23.4	20.0	14.7	15.6	14.5	13.0	10.2
	10303 Pengetinan nanas												
	&	48.8	50.8	70.3	69.3	55.1	42.3	32.9	28.7	26.6	22.1	22.6	18.2
	10304 Pembuatan jem, marmalad dan sajian jeli												
	Industri lain	13.5	17.8	17.8	22.6	21.3	22.2	19.1	13.8	14.9	14.0	12.4	9.7
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	9.8	8.5	7.3	9.2	8.4	6.0	6.8	7.7	9.1	9.1	7.9	5.7
	10404 Pembuatan minyak sayuran mentah dan bertapis												
	&	6.8	5.1	4.7	4.7	1.4	-0.2	-11.2	-5.5	-1.4	0.8	-2.6	-1.9
	10406 Pembuatan sebatian lemak masakan												
	10405 Pembuatan minyak kelapa	14.0	10.5	10.2	11.6	11.3	10.7	32.9	32.9	36.2	39.0	36.8	33.1
	Industri lain	10.0	8.7	7.4	9.5	8.9	6.3	7.4	7.9	9.0	8.8	7.8	5.5
105	Pembuatan produk tenusu	-0.3	4.1	1.6	0.6	-1.1	7.8	-0.8	3.5	8.3	9.3	8.4	24.0
	10502 Pembuatan susu pekat, tepung dan sejat	-0.2	4.9	2.1	1.7	-1.4	8.6	-2.6	1.8	6.4	8.3	6.7	25.9
	Industri lain	-0.7	-2.2	-1.8	-7.7	1.0	1.8	14.0	17.5	24.0	17.1	21.6	10.3
106	Pembuatan produk bijian, kanji dan produk berkanji	0.5	4.4	3.2	4.3	4.4	9.5	3.9	0.6	5.8	4.6	1.7	3.4
	10611 Pengilangan beras	-0.5	9.2	9.5	5.6	6.6	4.4	6.9	2.1	3.5	2.7	-0.8	-1.9
	10613 Pengilangan tepung	0.1	0.3	-2.5	3.5	2.6	15.4	1.2	-0.9	9.8	8.2	5.8	9.9
	Industri lain	10.5	-2.6	-3.2	1.2	1.5	7.1	0.5	-0.01	-2.8	-4.5	-6.2	-2.4
107	Pembuatan produk makanan lain	10.8	9.3	4.7	5.7	6.3	3.9	7.4	8.7	9.5	10.0	8.5	9.4
	10711 Pembuatan biskut dan cookies	12.6	15.1	10.2	11.1	12.6	9.1	18.5	15.6	16.4	16.9	16.0	17.5
	10712 Pembuatan roti, kek dan produk bakeri lain	12.6	9.4	5.4	8.0	6.7	4.8	10.2	8.7	1.1	4.1	4.6	6.5
	10713 Pembuatan produk snek	6.2	19.1	12.4	7.3	2.9	-0.8	3.2	6.2	8.7	10.9	9.4	10.6
	10721 Pembuatan gula	-15.6	-17.9	-31.4	-19.9	-15.6	-16.6	-13.5	-10.7	-8.4	-9.1	-1.1	34.2
	10731 Pembuatan produk koko	-8.9	2.8	-7.6	-2.6	9.3	6.5	15.2	11.3	10.2	8.7	7.5	10.5
	10732 Pembuatan coklat dan produk coklat												
	&	8.4	6.3	-6.4	-5.8	-6.2	-9.2	-5.2	-0.1	8.7	10.4	11.0	1.8
	10733 Pembuatan konfeksi gula												
	10793 Pembuatan sos dan bahan perasa	5.3	3.6	18.0	17.2	10.6	9.2	11.2	19.3	25.8	24.6	24.4	25.3
	10799 Pembuatan produk makanan lain t.t.t.l.	29.2	15.3	12.4	11.6	19.4	16.3	17.2	19.4	20.4	17.3	11.1	17.3
	Industri lain	8.9	8.7	1.7	2.5	3.9	1.7	2.5	3.6	6.7	6.4	3.2	1.9
108/ 10800	Pembuatan makanan haiwan tersedia	3.3	11.7	6.6	5.0	8.2	6.1	8.3	6.7	9.3	10.9	14.2	1.7
110	Pembuatan minuman ringan	7.9	4.0	9.0	7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7
	11041 Pembuatan minuman ringan	13.5	8.2	14.1	12.1	12.3	13.3	13.6	7.0	6.1	6.5	6.9	2.4
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-5.8	-7.6	-3.0	-2.2	-2.3	-1.9	-1.8	7.6	9.8	10.6	7.9	6.9
	Industri lain	3.3	3.6	2.9	0.5	6.2	-1.0	3.7	18.8	31.2	29.0	29.5	26.4
120/ 12000	Pembuatan produk tembakau	3.8	4.1	5.6	9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5
131	Pemintalan, penenunan dan penyiapan tekstil	-1.2	-7.4	-4.6	-2.5	-1.5	-2.4	-0.6	1.2	-1.4	-3.0	-2.6	-3.3
	13110 Penyediaan dan pemintalan gentian tekstil												
	&	0.7	-10.6	-4.8	-0.1	2.7	1.8	6.6	6.9	0.7	-0.9	-0.1	1.1
	13120 Penenunan tekstil												
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-4.6	-1.2	-4.9	-7.0	-10.1	-12.0	-17.0	-11.8	-7.1	-8.7	-8.5	-13.0
	Industri lain	-10.0	4.0	3.2	-10.4	-7.8	7.5	12.3	12.4	7.9	4.6	-2.2	-2.3
139	Pembuatan tekstil lain	9.9	11.5	15.6	17.1	16.8	16.7	12.8	12.8	12.9	12.8	9.5	10.1
	13910 Pembuatan fabrik dikait dan dikrusye	-7.3	-7.7	-0.9	10.6	9.6	11.6	5.1	6.8	7.2	6.4	0.5	0.1
	Industri lain	18.0	20.9	22.8	19.9	20.0	18.9	16.0	15.3	15.2	15.6	13.5	14.5
141	Pembuatan pakaian, kecuali pakaian berbulu	6.1	5.7	6.3	8.0	7.1	10.5	6.0	4.9	5.9	5.7	4.0	1.0
	14102 Pembuatan pakaian	8.2	7.6	7.3	10.2	7.6	9.9	6.3	4.6	4.7	4.6	4.9	1.2
	Industri lain	1.8	2.0	4.2	3.8	6.1	11.6	5.3	5.6	8.4	8.0	2.1	0.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-8.4	-3.3	-4.3	-3.2	-8.8	-9.4	-7.3	6.1	6.8	6.5	8.1	2.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	3.0	4.1	6.0	8.4	8.2	8.6	11.8	1.8	2.2	4.3	0.7	4.3
152	Pembuatan kasut	5.0	7.0	6.1	3.5	6.4	8.4	8.4	5.9	6.5	7.2	8.9	5.2
	15201 Pembuatan kasut kulit												
	&	4.4	6.7	6.3	3.3	4.3	6.3	4.9	0.6	0.6	1.1	0.9	-5.2
	15203 Pembuatan kasut getah												
	Industri lain	6.5	7.8	5.6	4.0	12.1	14.0	17.4	19.8	22.3	23.1	29.4	34.4
161/ 16100	Pengilangan dan pengetaman kayu	-3.5	-2.5	-0.5	-1.5	-1.0	-2.3	4.6	3.5	2.8	5.3	5.6	3.1

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
-1.8	0.2	1.7	-1.9	-1.3	-2.9	3.0	0.2	0.4	0.9	1.1	2.8	Processing and preserving of meat
0.9	0.1	-1.0	-1.0	-1.2	-1.6	-1.0	3.4	3.1	1.6	1.8	0.5	Processing and preserving of fish, crustaceans and molluscs
-2.3	-2.9	-4.9	-3.9	-4.3	-4.4	-4.8	0.2	0.3	-1.0	0.2	-0.2	Canning of fish, crustaceans and molluscs
15.0	13.3	16.7	12.1	12.6	10.4	16.1	16.9	14.6	12.0	8.0	3.2	Processing, curing and preserving of fish, crustacean and molluscs
6.4	-0.6	2.8	-3.2	-6.4	-6.8	-2.3	-4.5	-7.4	-7.4	-8.0	-7.8	Processing and preserving of fruits and vegetable
7.2	-8.7	-9.0	-7.4	-8.5	-8.5	-6.0	-6.4	0.3	4.1	-0.3	-0.9	Pineapple canning
6.4	-0.02	3.8	-2.9	-6.3	-6.7	-2.0	-4.4	-8.0	-8.2	-8.6	-8.2	Manufacture of jams, marmalades and table jellies
5.3	7.0	4.7	8.1	9.5	8.5	8.4	7.7	5.3	4.9	6.6	7.0	Manufacture of vegetable and animal oils and fats
-2.4	-2.2	-1.0	-2.2	-3.0	-3.9	8.9	9.5	5.5	7.9	8.9	9.3	Manufacture of crude and refined vegetable oil
12.0	12.9	19.7	9.7	12.2	11.0	2.1	-0.6	-2.3	-2.7	0.1	0.3	Manufacture of compound cooking fats
5.6	7.5	4.6	8.8	10.4	9.4	8.6	8.0	5.6	5.0	6.7	7.1	Manufacture of coconut oil
22.9	-1.0	8.0	8.7	8.0	2.9	20.6	5.7	4.9	9.3	9.1	8.1	Manufacture of dairy products
25.9	-2.4	8.3	8.4	8.0	2.0	23.0	6.0	6.2	10.8	11.2	8.3	Manufacture of condensed, powdered and evaporated milk
1.4	10.7	6.4	11.0	7.8	10.0	3.2	4.0	-4.9	-1.3	-5.6	7.0	Other industry
2.7	-11.0	-10.0	-12.1	-10.0	-15.3	-11.8	-11.0	-6.9	-10.2	-9.1	-1.5	Manufacture of grain mill products, starches and starch products
-1.4	-8.9	-8.0	-8.9	-7.1	-7.3	-10.5	-6.8	-7.8	-7.5	-6.7	-3.5	Rice milling
9.8	-14.2	-13.6	-16.9	-14.4	-24.7	-14.2	-16.5	-6.5	-13.7	-12.3	1.4	Flour milling
-12.8	-6.3	-2.3	-2.8	-2.8	-3.0	-4.7	-3.0	-2.7	-6.1	-4.9	-8.6	Other industry
6.0	5.7	5.1	5.1	3.4	3.1	1.4	1.7	1.4	-0.1	1.0	-0.2	Manufacture of other food products
7.5	5.6	5.3	6.2	6.0	4.4	5.2	6.5	6.8	6.7	5.5	5.0	Manufacture of biscuits and cookies
2.4	7.6	3.1	5.4	2.4	4.2	-2.0	4.4	5.0	0.3	4.9	4.6	Manufacture of bread, cakes and other bakery products
13.9	11.1	13.5	16.0	19.6	20.6	17.6	13.5	11.6	12.6	11.4	7.3	Manufacture of snack products
3.5	9.2	18.8	12.7	7.1	11.1	9.9	5.1	-3.7	14.0	11.0	12.5	Manufacture of sugar
12.7	-8.3	-2.3	-1.1	-1.2	6.3	-4.0	-4.1	3.0	-3.2	-3.7	-6.1	Manufacture of cocoa products
5.4	0.8	1.0	4.2	2.0	1.5	-1.8	-9.7	-8.3	-8.8	-8.0	-3.6	Manufacture of chocolate and chocolate products
27.1	35.3	25.9	19.7	19.8	15.0	19.4	19.5	21.0	16.9	19.9	13.7	Manufacture of sugar confectionery
6.2	-0.7	2.3	1.9	-4.3	-6.2	-10.5	-10.5	-9.9	-10.6	-8.4	-9.9	Manufacture of sauces and condiments
0.3	-0.6	-0.5	-1.0	-1.0	-1.5	0.04	-1.3	-3.5	-4.0	-5.5	-7.3	Manufacture of other food products n.e.c.
10.6	-6.8	-5.3	-1.4	-4.6	-0.4	-4.4	5.2	1.9	2.9	-2.0	0.8	Manufacture of prepared animal feeds
6.6	6.4	7.1	7.3	6.1	8.3	8.1	8.3	6.0	6.3	8.4	9.0	Manufacture of beverages
4.1	3.8	4.7	5.2	3.3	6.6	7.2	7.9	8.0	8.6	10.4	12.0	Manufacture of soft drinks
8.5	8.6	4.4	3.7	4.1	4.0	4.6	5.8	-2.6	-3.2	-1.4	-0.9	Production of natural mineral waters and other bottled waters
28.9	27.5	46.6	49.7	49.3	46.8	32.9	20.0	14.5	14.5	18.7	7.5	Other industry
-0.9	-5.8	-3.8	-2.6	-2.9	1.4	2.9	2.6	1.1	0.7	0.5	0.9	Manufacture of tobacco products
1.8	1.8	0.8	4.7	4.8	4.5	4.9	1.2	1.1	3.2	2.2	3.7	Spinning, weaving and finishing of textiles
5.5	6.4	2.6	7.5	5.3	5.5	4.2	1.0	2.5	3.8	1.6	3.6	Preparation and spinning of textile fibres
-6.6	-7.5	-3.3	-2.0	3.5	3.3	7.7	2.9	-0.8	3.3	5.5	5.3	Weaving of textiles
-0.9	-0.5	-1.1	8.1	8.2	-7.3	-4.4	-11.6	-15.8	-16.5	-16.8	-11.7	Dyeing, bleaching, printing and finishing of yarns and fabrics
3.4	2.0	3.6	-0.02	0.4	0.3	0.5	0.6	1.4	-1.1	0.2	0.7	Other industry
1.6	-4.5	5.8	-2.3	-2.4	-2.0	-2.7	-2.5	-3.3	-10.7	-11.2	-9.9	Manufacture of other textiles
4.1	4.5	2.8	0.9	1.5	1.2	1.7	1.8	3.1	2.7	4.7	4.8	Manufacture of knitted and crocheted fabrics
2.2	2.8	3.2	1.9	1.5	1.1	1.4	0.6	0.6	0.2	-2.2	-1.5	Other industry
5.3	7.3	8.7	5.9	5.4	5.3	5.8	5.3	5.3	4.6	2.1	2.9	Manufacture of wearing apparel, except fur
-4.7	-6.6	-8.1	-6.6	-6.5	-7.0	-7.6	-8.9	-8.9	-8.6	-11.4	-12.2	Manufacture of clothings
0.4	9.7	9.6	7.4	3.0	3.1	2.2	-1.7	2.0	3.8	1.6	0.8	Other industry
-0.7	-0.8	1.0	2.4	3.0	8.5	7.5	8.2	9.9	6.6	9.5	7.7	Manufacture of articles of fur, knitted and crocheted apparel
4.0	3.2	0.9	2.1	1.3	-1.8	2.1	2.0	1.2	2.0	2.9	4.3	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-5.7	-5.3	-8.8	-7.3	-7.5	-6.8	-4.6	-5.0	-5.2	-4.4	-2.1	0.1	Manufacture of footwear
28.9	24.6	24.8	25.5	22.7	10.8	17.8	17.3	15.2	16.0	12.9	12.5	Manufacture of leather footwear
0.4	0.5	5.3	6.4	6.2	7.1	8.2	8.1	9.7	10.3	10.9	10.1	Manufacture of rubber footwear
												Other industry
0.4	0.5	5.3	6.4	6.2	7.1	8.2	8.1	9.7	10.3	10.9	10.1	Sawmilling and planning of wood

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	7.9	5.8	2.2	5.9	6.1	5.9
16211	Pembuatan kepingan venier dan papan lapis	7.9	3.4	4.2	3.0	5.0	3.9
16212	Pembuatan papan partikel dan papan gentian	19.0	8.0	-4.3	8.2	2.0	8.3
16221	Pertukangan kayu untuk jurubina	5.3	11.6	-0.5	14.3	14.8	12.2
	Industri lain	2.5	3.6	6.1	1.9	1.5	2.1
170	Pembuatan kertas dan produk kertas	4.1	2.3	0.6	4.7	1.4	1.3
17010	Pembuatan pulpa, kertas dan kertas tebal	12.1	-20.6	-2.5	-9.5	-26.6	-26.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	3.9	9.5	0.7	12.9	9.7	9.0
17091	Pembuatan sampul surat dan kad surat	-8.9	-1.6	7.7	-1.7	-0.2	-5.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	8.3	6.0	4.6	10.9	4.2	1.9
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.4	-8.1	-7.0	-13.5	-4.7	-3.5
	Industri lain	14.3	11.7	2.8	8.0	10.6	14.3
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.2	6.3	4.8	4.8	7.3	7.8
18110	Percetakan	4.7	6.4	4.1	5.1	7.3	7.7
18120	Aktiviti perkhidmatan berkaitan percetakan						
&		1.2	5.2	8.6	2.8	7.8	8.1
18200	Penerbitan semula media rakaman						
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.6	5.9	0.9	7.7	7.1	2.6
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.7	0.5	-5.9	8.0	1.8	-4.3
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	31.2	21.3	-7.9	23.0	12.5	20.1
20112	Pembuatan kimia organik asas						
&		7.0	-2.5	-18.0	9.0	1.2	-10.7
20113	Pembuatan sebatian bukan organik						
20121	Pembuatan baja						
&		-9.4	-7.6	-8.0	-6.8	-1.8	-7.7
20129	Pembuatan produk campuran nitrogen						
20131	Pembuatan plastik dalam bentuk primer	-2.3	3.5	19.3	6.4	2.1	3.3
	Industri lain	15.0	-9.0	-7.0	9.0	-10.0	-18.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	0.4	3.2	3.8	0.3	3.5	5.9
20210	Pembuatan racun perosak dan produk agrokimia lain	7.7	17.4	18.1	6.8	22.6	20.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	6.2	16.1	7.0	7.7	18.8	24.7
20222	Pembuatan dakwat cetak	-15.5	-10.3	-18.9	-13.1	-8.3	-7.2
20231	Pembuatan sabun dan bahan pencuci, penyediaan						
&	membersih dan mengilat	-6.4	6.2	-1.7	2.9	10.7	10.7
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials						
&		8.5	-4.8	9.3	-4.0	-11.3	-5.1
20292	Pembuatan dakwat menulis dan melukis						
&							
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	6.2	-12.7	-19.0	2.6	-4.7	-18.7
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.0	1.9	0.9	4.6	0.7	0.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.6	-0.9	-1.0	3.9	-1.2	-2.8
	Industri lain	11.3	13.1	7.4	7.1	7.9	14.7
221	Pembuatan produk getah	0.0	-1.4	-0.6	0.5	-5.7	-1.2
22111	Pembuatan tayar getah untuk kenderaan	8.0	25.7	-24.9	41.6	23.4	20.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	16.1	27.3	22.0	25.3	23.6	29.3
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak						
&	divulkan, divulkan atau dikeraskan	8.0	4.4	7.4	6.3	3.4	0.4
22193	Pengilangan semula getah dan prosesan susu getah						
22192	Pembuatan sarung tangan getah	-3.5	-8.6	3.9	-8.2	-14.8	-7.0
22199	Pembuatan produk getah lain yang t.t.t.l.	-2.7	-4.0	-9.5	-3.1	-5.4	-1.2
222	Pembuatan produk plastik	4.8	2.7	2.3	8.0	2.3	-0.3
22201	Pembuatan produk plastik separa siap						
&		3.3	0.9	-8.6	14.0	1.7	-3.8
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	16.0	19.5	3.9	36.8	27.4	15.6
22204	Pembuatan barangan plastik jurubina	5.4	17.5	-0.2	16.9	25.8	15.9
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.9	-2.3	9.4	-1.7	-1.9	-4.1
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.5	-6.8	11.6	-13.7	-14.6	-7.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.1	3.6	2.5	9.5	6.4	3.1

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
5.4	2.6	3.4	2.3	0.7	5.8	2.2	Manufacture of products of wood, cork, straw and plaiting materials
2.1	3.9	6.8	5.2	1.1	3.4	4.2	Manufacture of veneer sheets and plywood
13.8	6.3	-1.6	-11.0	-10.8	8.0	-4.3	Manufacture of particle board and fibreboard
5.4	-6.8	-4.6	1.8	8.2	11.6	-0.5	Manufacture of builders' carpentry
8.8	8.6	9.1	6.5	0.6	3.6	6.1	Other industry
1.6	1.1	0.4	0.5	0.5	2.3	0.6	Manufacture of paper and paper products
-19.8	-5.1	4.0	-3.8	-4.1	-20.6	-2.5	Manufacture of pulp, paper and paperboard
6.7	4.4	0.6	-1.1	-1.0	9.5	0.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
0.8	2.9	2.5	14.5	10.9	-1.6	7.7	Manufacture of envelopes and letter-card
6.5	1.1	2.8	9.3	6.0	6.0	4.6	Manufacture of household and personal hygiene paper
-9.6	-10.2	-10.7	-5.1	-1.7	-8.1	-7.0	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
13.9	6.6	3.3	-0.1	1.8	11.7	2.8	Other industry
5.2	4.9	5.9	5.0	3.5	6.3	4.8	Printing, service activities related to printing and reproduction of recorded media
5.7	5.3	5.6	3.8	1.8	6.4	4.1	Printing
2.5	2.8	7.7	11.5	12.8	5.2	8.6	Service activities related to printing
							Reproduction of recorded media
6.1	0.8	0.2	0.9	1.8	5.9	0.9	Manufacture of refined petroleum products
-3.4	-10.7	-9.3	-2.9	-0.03	0.5	-5.9	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
29.4	-6.2	-8.8	-5.4	-11.1	21.3	-7.9	Manufacture of liquefied or compressed inorganic industrial or medical gases
-9.0	-23.6	-20.0	-17.4	-10.0	-2.5	-18.0	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
							Manufacture of fertilizers
-14.1	-10.7	-13.6	-1.0	-5.8	-7.6	-8.0	Manufacture of associated nitrogen products
2.4	14.6	12.2	24.2	26.5	3.5	19.3	Manufacture of plastics in primary forms
-15.8	-13.5	-3.3	-1.3	-8.5	-9.0	-7.0	Other industry
3.3	6.2	4.3	2.1	2.4	3.2	3.8	Manufacture of other chemical products and man-made fibres
20.6	16.8	11.2	20.6	24.2	17.4	18.1	Manufacture of pesticides and other agrochemical products
14.9	12.4	12.8	3.5	-0.3	16.1	7.0	Manufacture of paints, varnishes and similar coatings ink and mastics
-12.5	-14.9	-18.0	-23.5	-19.5	-10.3	-18.9	Manufacture of printing ink
1.5	-2.5	-2.1	-2.6	0.4	6.2	-1.7	Manufacture of soap and detergents, cleaning and polishing preparations
							Manufacture of perfumes and toilet preparations
							Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
0.7	16.3	12.1	6.6	3.1	-4.8	9.3	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
-30.3	-31.7	-30.4	-9.7	5.2	-12.7	-19.0	Other industry
1.9	1.4	0.6	0.3	1.3	1.9	0.9	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-2.9	-1.7	-1.1	-0.5	-0.6	-0.9	-1.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
21.9	13.1	6.6	3.1	7.8	13.1	7.4	Other industry
1.1	1.9	-1.6	-2.6	0.3	-1.4	-0.6	Manufacture of rubber products
20.0	-10.2	-27.7	-30.7	-30.1	25.7	-24.9	Manufacture of rubber tyres for vehicles
30.6	26.6	25.1	20.9	16.4	27.3	22.0	Manufacture of interchangeable tyre treads and retreading rubber tyres
7.7	5.8	5.7	6.8	10.9	4.4	7.4	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
							Rubber remilling and latex processing
-3.9	5.8	2.6	1.8	5.6	-8.6	3.9	Manufacture of rubber gloves
-6.4	-8.3	-8.5	-11.4	-9.7	-4.0	-9.5	Manufacture of other rubber products n.e.c.
1.1	0.7	1.6	3.6	3.3	2.7	2.3	Manufacture of plastics products
-6.7	-9.6	-9.8	-9.5	-5.4	0.9	-8.6	Manufacture of semi-manufactures of plastic products
							Manufacture of finished plastic products
1.9	-4.1	-3.7	8.8	16.3	19.5	3.9	Manufacture of plastic articles for the packing of goods
11.4	6.7	-7.9	-2.2	3.6	17.5	-0.2	Manufacture of builders' plastics ware
-1.5	2.2	5.3	11.1	19.1	-2.3	9.4	Manufacture of plastic tableware, kitchenware and toilet articles
9.6	17.8	20.7	11.5	-1.1	-6.8	11.6	Manufacture of diverse plastic products n.e.c.
-3.8	0.1	6.5	3.6	0.0	3.6	2.5	Manufacture of glass and glass products

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor
Table : *Salaries and Wages Paid of Manufacturing*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	4.1	7.2	6.5	6.3	6.1	5.8	5.6	6.4	5.8	5.9	6.1	4.3
16211	Pembuatan kepingan venier dan papan lapis	0.4	4.6	3.9	5.4	5.6	4.1	5.9	3.6	2.1	2.9	2.9	0.5
16212	Pembuatan papan partikel dan papan gentian	9.1	9.8	5.6	4.0	4.2	-2.2	4.3	10.5	10.1	11.5	15.9	14.0
16221	Pertukangan kayu untuk jurubina	14.2	14.4	14.2	14.6	12.6	17.2	10.2	13.6	12.8	9.2	9.7	-2.1
	Industri lain	-2.3	3.4	4.9	0.6	0.7	3.3	-0.2	1.8	4.7	6.4	3.2	16.8
170	Pembuatan kertas dan produk kertas	4.1	5.0	4.9	1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5
17010	Pembuatan pulpa, kertas dan kertas tebal	-14.5	-4.3	-9.8	-15.4	-30.3	-33.3	-28.6	-26.5	-23.9	-21.4	-21.4	-16.3
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10.2	14.3	14.4	9.0	10.8	9.2	11.0	7.6	8.6	9.9	6.2	4.2
17091	Pembuatan sampul surat dan kad surat	-6.2	-1.2	2.6	2.9	-1.6	-1.9	-6.0	-5.4	-3.9	-1.1	2.8	0.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	20.0	6.2	8.3	-0.9	7.2	6.7	-4.0	4.7	5.2	7.3	6.8	5.6
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.3	-14.0	-14.3	-5.8	-4.4	-4.0	-0.5	-2.9	-7.0	-8.2	-9.9	-10.7
	Industri lain	6.1	8.7	9.3	9.6	9.5	12.9	12.3	13.3	17.4	18.2	16.1	8.5
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	5.1	4.5	4.7	6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4
18110	Percetakan	5.3	5.1	5.0	7.3	8.0	6.5	7.3	7.8	8.1	5.3	5.6	6.2
18120 &	Aktiviti perkhidmatan berkaitan percetakan	4.0	1.3	3.1	3.0	9.6	10.8	8.2	8.8	7.1	6.8	0.1	0.9
18200	Penerbitan semula media rakaman												
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	8.1	7.3	7.6	8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	9.0	6.1	8.9	6.9	-0.5	-1.2	-3.1	-4.5	-5.4	-4.3	-3.4	-2.5
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	7.6	26.9	34.2	12.3	15.6	9.8	21.1	16.2	23.0	24.9	32.3	31.3
20112 &	Pembuatan kimia organik asas												
20113	Pembuatan sebatian bukan organik	10.6	6.5	10.0	10.1	-3.5	-3.0	-7.7	-10.8	-13.6	-12.0	-8.2	-6.8
20121 &	Pembuatan baja	6.4	-13.2	-11.8	-0.6	-2.2	-2.5	-7.7	-6.9	-8.5	-9.0	-12.6	-20.0
20129	Pembuatan produk campuran nitrogen	5.6	5.7	7.8	2.6	2.7	1.0	2.3	3.7	4.0	4.2	-0.4	3.4
20131	Pembuatan plastik dalam bentuk primer	20.5	6.0	1.2	0.6	-15.8	-14.7	-21.5	-17.3	-15.1	-14.3	-19.9	-13.5
	Industri lain												
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-0.9	2.7	-0.9	2.6	3.6	4.2	4.1	6.6	7.0	7.2	4.7	-1.2
20210	Pembuatan racun perosak dan produk agrokimia lain	-1.5	10.5	11.2	10.0	26.3	33.5	25.9	19.6	14.9	22.0	17.3	22.7
20221	Pembuatan cat, varnis dan penyadur dan mastik	-3.5	22.3	5.6	14.1	21.8	20.9	16.8	30.8	26.5	21.6	17.1	7.3
20222	Pembuatan dakwat cetak	-13.3	-13.7	-12.2	-12.6	-5.9	-6.1	-5.2	-7.4	-9.0	-11.4	-11.2	-14.6
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	2.8	5.1	0.7	11.3	10.6	10.2	12.8	11.3	8.1	6.7	3.0	-3.9
20232	Pembuatan pewangi dan penyediaan dandanan diri												
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials												
20292 &	Pembuatan dakwat menulis dan melukis	0.2	-6.1	-6.2	-8.2	-13.0	-12.7	-11.2	-5.1	1.7	4.0	3.2	-4.1
20299	Pembuatan produk kimia lain t.t.t.l.												
	Industri lain	2.9	8.9	-4.1	-3.2	-4.6	-6.2	-0.2	-26.2	-30.0	-33.5	-28.4	-28.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	6.4	2.7	2.6	0.5	-2.2	-1.9	-2.6	-2.2	-3.7	-5.2	-2.3	-1.3
	Industri lain	7.7	5.1	8.5	3.3	11.6	8.8	13.4	13.6	17.1	25.5	20.1	20.2
221	Pembuatan produk getah	-3.7	2.4	3.0	-0.9	-6.2	-9.1	-3.7	-0.2	0.4	1.7	1.0	0.6
22111	Pembuatan tayar getah untuk kenderaan	44.6	58.7	24.3	41.2	17.6	14.2	22.2	19.9	20.4	20.4	19.6	20.1
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	17.5	28.2	29.8	22.2	26.1	22.4	27.6	29.9	30.4	28.2	30.7	33.1
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.3	5.5	8.0	6.9	4.1	-0.7	2.0	-0.5	-0.1	8.6	7.8	6.7
22193	Pengilangan semula getah dan prosesan susu getah												
22192	Pembuatan sarung tangan getah	-14.9	-4.6	-4.8	-9.9	-15.9	-17.7	-12.6	-4.3	-3.8	-3.8	-4.7	-3.2
22199	Pembuatan produk getah lain yang t.t.t.l.	-5.6	-7.6	4.2	-7.5	-3.6	-5.0	1.3	-2.8	-2.0	-3.8	-4.3	-11.0
222	Pembuatan produk plastik	10.8	8.8	4.7	4.7	1.4	0.9	0.7	-1.1	-0.5	0.4	3.0	-0.1
22201 &	Pembuatan produk plastik separa siap	20.3	19.7	2.7	5.4	-1.6	1.5	-4.3	-4.5	-2.7	-4.7	-3.3	-11.7
22202	Pembuatan produk plastik siap												
22203	Pembuatan artikel plastik untuk pembungkusan barangan	37.1	36.6	36.7	29.5	27.4	25.3	27.1	9.7	10.0	1.3	2.3	2.2
22204	Pembuatan barangan plastik jurubina	13.2	18.3	19.2	18.5	29.1	30.1	27.1	9.9	10.7	10.9	10.9	12.4
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-1.1	-0.7	-3.2	-2.3	-2.1	-1.4	-5.4	-2.4	-4.6	-1.1	-1.8	-1.5
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-11.4	-15.4	-14.3	-12.5	-14.4	-16.8	-12.4	-5.3	-5.0	5.3	11.6	11.9
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	12.0	9.4	7.1	7.9	4.5	7.0	4.4	4.9	0.1	-1.4	-3.9	-5.8

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
4.3	1.7	1.8	3.4	3.3	3.4	4.0	1.6	1.3	0.4	0.3	1.2	Manufacture of products of wood, cork, straw and plaiting materials
7.9	2.5	1.2	6.4	6.6	7.5	6.5	4.6	4.5	1.6	1.1	0.5	Manufacture of veneer sheets and plywood
5.2	5.4	8.4	-2.6	-1.1	-0.9	-8.5	-14.3	-10.0	-9.5	-10.5	-12.4	Manufacture of particle board and fibreboard
-7.4	-7.1	-5.8	-4.8	-4.4	-4.6	4.0	1.4	-0.1	3.6	3.6	17.6	Manufacture of builders' carpentry
9.7	8.5	7.6	12.4	8.4	6.5	8.0	7.6	4.1	1.8	4.1	-3.7	Other industry
2.3	0.3	0.8	0.4	0.3	0.6	1.0	0.4	0.1	0.5	0.7	0.4	Manufacture of paper and paper products
-3.4	-9.0	-2.6	1.4	8.1	2.8	-2.8	-5.0	-3.6	-3.8	-4.5	-3.9	Manufacture of pulp, paper and paperboard
4.6	4.3	4.2	1.4	-1.5	1.9	-2.8	0.3	-0.8	-1.0	-1.2	-0.9	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
3.2	1.0	4.3	2.7	2.0	2.8	6.7	22.7	14.2	13.0	9.4	10.3	Manufacture of envelopes and letter-card
6.3	-0.9	-1.7	1.4	4.6	2.3	19.2	4.5	4.9	6.0	5.9	6.1	Manufacture of household and personal hygiene paper
-11.5	-9.3	-9.8	-10.3	-10.6	-11.2	-6.5	-6.9	-1.8	-2.7	-0.9	-1.5	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
6.7	7.4	5.6	3.8	4.0	2.2	-0.6	2.1	-1.7	1.8	3.9	0.0	Other industry
0.1	8.9	5.8	6.3	5.2	6.3	7.1	4.8	2.9	3.6	4.4	2.5	Printing, service activities related to printing and reproduction of recorded media
-0.02	9.7	6.3	6.0	4.7	6.2	6.6	3.5	1.3	2.0	2.6	0.9	Printing
0.7	4.9	3.1	8.0	8.1	7.0	10.3	12.2	11.9	12.4	14.2	11.9	Service activities related to printing
												Reproduction of recorded media
0.1	1.8	0.6	0.4	-1.1	1.2	1.9	0.5	0.2	1.1	2.6	1.7	Manufacture of refined petroleum products
-7.7	-10.6	-13.8	-10.1	-8.2	-9.5	-7.1	-0.6	-0.9	-1.5	0.6	0.7	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
9.9	-10.5	-14.9	-9.1	-8.7	-8.4	-6.9	-9.7	0.2	-13.6	-12.1	-7.7	Manufacture of liquefied or compressed inorganic industrial or medical gases
												Manufacture of basic organic chemicals
-23.0	-22.6	-25.1	-19.1	-19.1	-21.9	-22.0	-14.4	-15.4	-11.5	-8.9	-9.7	Manufacture of inorganic compounds
												Manufacture of fertilizers
-13.4	-10.9	-7.8	-13.2	-13.5	-14.1	-7.6	6.6	-1.9	-3.8	-4.5	-9.2	Manufacture of associated nitrogen products
22.1	15.5	7.2	7.8	13.1	15.8	20.0	26.9	25.8	25.0	26.3	28.1	Manufacture of plastics in primary forms
-12.5	-13.5	-14.5	-2.4	-4.3	-3.4	3.8	-1.8	-5.5	-14.9	-3.2	-7.2	Other industry
2.7	6.6	9.3	7.3	2.1	3.6	2.0	2.2	2.0	2.5	2.2	2.6	Manufacture of other chemical products and man-made fibres
20.1	20.7	11.0	11.0	11.3	11.4	11.0	31.3	21.0	25.2	24.4	23.1	Manufacture of pesticides and other agrochemical products
9.5	13.7	13.9	13.4	10.5	14.4	14.2	0.3	-3.3	-4.3	1.8	1.7	Manufacture of paints, varnishes and similar coatings ink and mastics
-15.7	-11.0	-17.9	-10.1	-23.9	-20.0	-22.9	-25.1	-22.4	-23.4	-22.9	-12.2	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
-5.8	-5.1	3.3	-3.9	-1.4	-0.8	-3.1	-3.4	-1.2	2.0	-1.1	0.3	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
8.7	18.8	22.5	21.7	6.8	7.5	6.0	6.8	7.1	4.0	3.6	1.8	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
-32.4	-33.2	-29.1	-29.9	-31.3	-29.9	-28.2	-1.5	8.5	8.2	4.4	3.0	Other industry
1.4	0.8	1.9	0.7	0.3	0.9	0.3	0.5	0.2	0.5	1.6	1.9	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-1.1	-2.1	-2.0	-2.1	-1.0	0.1	-0.4	-0.3	-0.9	0.5	0.1	-2.1	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
11.2	11.6	16.6	11.4	5.0	3.5	2.2	3.2	3.8	0.5	6.4	17.0	Other industry
5.2	0.9	-0.3	-2.0	-1.8	-1.0	-4.4	-3.8	0.4	0.7	0.1	0.2	Manufacture of rubber products
-1.5	-13.7	-16.2	-31.4	-29.1	-22.6	-30.8	-30.3	-31.1	-31.5	-29.4	-29.4	Manufacture of rubber tyres for vehicles
32.1	23.9	24.4	26.9	24.4	24.2	25.1	19.9	17.9	17.2	15.1	16.8	Manufacture of interchangeable tyre treads and retreading rubber tyres
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
12.1	0.5	4.9	1.5	6.7	9.2	6.5	5.7	8.2	10.3	10.1	12.3	Rubber remilling and latex processing
7.9	5.0	4.7	5.0	1.1	2.0	-2.1	-0.3	8.1	8.0	5.5	3.2	Manufacture of rubber gloves
-7.7	-3.5	-13.4	-8.8	-5.3	-11.5	-10.7	-10.8	-12.8	-13.2	-10.1	-5.5	Manufacture of other rubber products n.e.c.
0.9	1.6	-0.4	0.8	2.1	2.0	4.5	3.9	2.5	3.1	3.7	3.2	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
-9.9	-10.1	-8.8	-10.6	-9.0	-9.7	-9.8	-9.6	-9.1	-6.3	-6.2	-3.8	Manufacture of finished plastic products
-0.7	0.2	-10.5	-3.5	-3.4	-4.3	0.6	13.4	13.7	17.6	17.7	13.8	Manufacture of plastic articles for the packing of goods
12.5	3.4	4.5	-0.8	-13.9	-8.5	-4.7	-5.0	3.3	4.8	5.9	0.4	Manufacture of builders' plastics ware
1.3	1.7	3.5	3.7	5.9	6.4	10.0	11.7	11.5	12.7	22.4	22.5	Manufacture of plastic tableware, kitchenware and toilet articles
15.6	18.4	19.5	18.8	21.7	21.8	23.4	8.8	3.5	-0.6	-0.8	-1.8	Manufacture of diverse plastic products n.e.c.
-5.5	0.05	6.3	8.3	5.4	5.8	5.1	4.5	1.3	0.4	1.8	-2.2	Manufacture of glass and glass products

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change

1.6b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.5	2.2	3.6	0.1	0.1	2.7
23911 & 23921	Pembuatan mortar refraktori dan konkrit Pembuatan seramik bukan refraktori	-14.7	2.9	8.4	1.1	2.9	3.3
23930	Pembuatan produk porselin dan seramik lain	7.4	-14.1	3.2	-15.2	-18.1	-12.5
23941	Pembuatan simen hidrolik	-3.3	5.6	-16.5	5.1	7.1	6.9
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	7.5	-3.8	8.4	-3.4	-6.7	-5.2
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	2.1	5.1	2.2	0.9	3.3	6.5
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.4	9.8	8.0	6.1	6.5	11.2
	Industri lain	12.0	-1.9	4.4	-1.0	-4.7	-2.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	7.2	1.2	-0.04	1.5	0.7	1.9
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.9	5.1	8.4	7.9	7.9	3.1
243	Pengacuan logam	0.4	-4.3	-0.6	-3.7	-2.0	-6.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	4.8	4.2	4.1	6.0	6.2
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	-4.4	5.9	-3.0	5.7	9.2	9.3
25120	Pembuatan tangki, takungan dan kontena daripada logam	9.3	3.5	16.4	1.3	2.5	2.4
	Industri lain	-1.0	4.0	-2.0	6.0	3.5	5.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.7	5.8	8.0	4.1	4.4	6.2
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.8	-1.4	6.4	-5.0	-5.3	0.8
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.3	-4.8	2.3	-2.9	-4.7	-5.0
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	13.4	16.8	13.5	19.8	16.7	16.5
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	14.2	10.2	11.7	5.1	12.6	10.4
25994	Pembuatan barangan rumah daripada logam	-7.2	0.3	7.1	1.2	-5.3	-1.0
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.0	5.7	6.5	10.3	2.3	3.2
	Industri lain	-29.1	13.4	-0.01	-10.2	11.7	27.2
261	Pembuatan komponen dan papan elektronik	3.5	0.4	-7.4	1.5	3.2	-1.2
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	1.8	0.6	-4.4	1.2	1.1	0.9
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	7.2	0.3	-14.6	2.3	7.9	-5.2
26109	Pembuatan komponen lain untuk aplikasi elektronik	2.4	-0.9	0.04	-0.7	0.9	-4.3
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.7	3.1	12.4	0.9	0.9	4.7
263/ 26300	Pembuatan peralatan komunikasi	18.5	-0.7	1.9	8.7	0.8	-4.8
264/ 26400	Pembuatan peralatan elektronik pengguna	17.7	-0.2	-24.7	-0.1	-4.9	-1.2
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	44.8	21.3	20.8	20.8	29.5	23.7
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses perindustrian	48.2	22.4	22.2	22.2	31.3	24.6
26520	Pembuatan jam tangan dan jam dan bahagiannya	11.3	6.8	-0.4	6.6	6.1	11.3
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.5	-1.2	7.6	7.2	4.3	-8.0

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
5.8	6.3	3.9	2.2	2.3	2.2	3.6	Manufacture of non-metallic mineral products
							Manufacture of refractory mortars and concretes
4.2	17.7	7.8	3.4	5.8	2.9	8.4	Manufacture of non-refractory ceramic
-10.3	-9.0	1.9	10.0	9.7	-14.1	3.2	Manufacture of other porcelain and ceramic products
3.2	-8.0	-18.4	-18.7	-21.0	5.6	-16.5	Manufacture of hydraulic cement
-0.01	7.8	9.0	6.6	10.3	-3.8	8.4	Manufacture of ready-mix and dry-mix concrete and mortars
							Manufacture of precast concrete, cement or artificial stone articles for use in construction
9.7	5.6	2.6	1.0	-0.2	5.1	2.2	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
							Manufacture of other articles of concrete, cement and plaster n.e.c.
15.0	11.2	9.1	6.8	5.2	9.8	8.0	Manufacture of other non-metallic mineral products n.e.c.
0.9	6.2	5.8	3.1	2.6	-1.9	4.4	Other industry
0.5	-0.1	-0.8	0.3	0.5	1.2	-0.04	Manufacture of basic iron and steel
1.6	4.2	10.4	11.4	7.9	5.1	8.4	Manufacture of basic precious and other non-ferrous metals
-4.9	0.7	-1.4	1.5	-3.1	-4.3	-0.6	Casting of metals
2.9	6.7	2.5	4.8	2.8	4.8	4.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-0.3	-2.6	-5.3	-3.2	-1.0	5.9	-3.0	Manufacture of metal doors, windows and their frames, shutters and gates
7.8	22.1	15.3	17.7	10.9	3.5	16.4	Manufacture of other structural metal products
1.6	1.8	-1.6	-0.2	-7.7	4.0	-2.0	Manufacture of tanks, reservoirs and containers of metal
8.4	7.5	11.4	8.8	4.6	5.8	8.0	Other industry
4.2	3.9	6.2	7.0	8.2	-1.4	6.4	Manufacture of other fabricated metal products; metal working service activities
-6.6	1.1	3.8	-0.6	4.7	-4.8	2.3	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
14.7	16.2	20.5	13.2	5.9	16.8	13.5	Treatment and coating of metals; machining
13.0	17.3	16.7	12.9	0.7	10.2	11.7	Manufacture of tins and cans for food products, collapsible tubes and boxes
6.6	9.9	10.4	4.5	3.9	0.3	7.1	Manufacture of metal cable, plaited bands and similar articles
6.9	-0.6	11.6	9.2	6.6	5.7	6.5	Manufacture of bolts, screws, nuts and similar threaded products
32.5	2.4	-4.1	1.8	-0.1	13.4	-0.01	Manufacture of metal household articles
-1.7	-7.5	-8.6	-6.7	-7.0	0.4	-7.4	Manufacture of any other fabricated metal products n.e.c.
-0.8	-5.0	-7.3	-3.4	-1.7	0.6	-4.4	Other industry
-3.6	-13.3	-12.1	-15.2	-17.9	0.3	-14.6	Manufacture of electronic components and boards
0.3	2.0	-0.4	3.0	-4.4	-0.9	0.04	Manufacture of diodes, transistors and similar semiconductor devices
5.9	5.1	5.8	18.1	19.7	3.1	12.4	Manufacture of electronic integrated circuits micro assemblies
-7.1	-6.1	1.9	6.9	5.8	-0.7	1.9	Manufacture of electrical capacitors and resistors
5.1	-5.5	-20.1	-40.8	-30.9	-0.2	-24.7	Manufacture of printed circuit boards
12.9	26.5	26.5	14.5	17.2	21.3	20.8	Manufacture of display components
13.5	28.5	27.7	15.8	18.6	22.4	22.2	Manufacture of other components for electronic applications
3.1	2.4	6.2	-4.4	-5.2	6.8	-0.4	Manufacture of computers and peripheral equipment
-7.8	2.5	-1.8	16.8	14.7	-1.2	7.6	Manufacture of communication equipment
							Manufacture of consumer electronics
							Manufacture of measuring, testing, navigating and control equipment; watches and clocks
							Manufacture of measuring, testing, navigating and control equipment
							Manufacture of industrial process control equipment
							Manufacture of watches and clocks and parts
							Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Gaji dan Upah yang Dibayar Sektor
Table : Salaries and Wages Paid of Manufacturing

1.6b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	2.1	-0.2	-1.5	-1.5	1.1	0.8	0.9	2.5	4.6	4.4	6.4	6.6
23911	Pembuatan mortar refraktori dan konkrit												
23921	Pembuatan seramik bukan refraktori	3.4	-0.2	0.3	3.1	-0.5	6.2	-0.5	4.6	5.8	4.6	2.4	5.3
23930	Pembuatan produk porselin dan seramik lain	5.0	-27.0	-22.3	-17.9	-17.2	-19.3	-12.6	-12.3	-12.5	-13.8	-10.3	-6.8
23941	Pembuatan simen hidraulik	2.1	8.0	5.6	5.2	8.3	7.8	7.2	8.5	5.0	3.5	3.7	2.3
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	-1.3	0.02	-8.6	-8.9	-5.3	-5.8	-6.3	-7.5	-1.9	-4.5	2.7	2.0
23952	Pembuatan konkrit pratuangan, simen atau artikel batu												
23953	buatan yang digunakan dalam pembinaan;												
23959	Pembuatan komponen struktur pasang siap untuk bangunan												
23990	atau kejuruteraan awam dari simen, batu atau konkrit buatan												
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	3.2	-1.9	1.3	2.6	4.6	2.6	4.9	6.4	8.1	8.6	9.6	10.9
23959													
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	3.5	8.4	6.4	6.8	6.9	5.9	6.1	13.3	14.1	15.6	17.3	12.5
	Industri lain	0.9	0.7	-4.4	-10.9	-2.0	0.1	-3.1	-4.4	-1.1	1.0	-0.5	2.1
241													
(24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	3.7	2.0	-1.0	-0.2	2.3	-0.01	1.9	2.4	1.4	0.7	0.3	0.7
242													
(24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	3.4	8.3	12.5	9.8	7.1	6.9	6.0	1.0	2.3	1.4	1.7	1.8
243	Pengacuan logam	1.6	-7.1	-5.6	-2.6	-3.4	0.2	-8.7	-5.6	-6.0	-3.6	-5.8	-5.1
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.2	4.7	6.6	5.1	6.1	6.9	6.3	8.3	4.1	2.4	0.4	5.9
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan												
25119	pintu pagar daripada logam	0.3	6.7	10.6	6.4	8.4	13.0	11.0	13.8	3.5	2.5	-1.0	-2.2
25120	Pembuatan produk struktur logam lain	1.2	1.5	1.3	3.4	3.2	0.9	1.3	2.2	3.7	1.2	2.7	19.7
	Pembuatan tangki, takungan dan kontena daripada logam												
	Industri lain	5.7	5.9	6.3	4.8	4.7	1.0	2.1	5.3	8.4	5.8	-0.6	0.0
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	1.8	6.3	4.3	4.6	4.5	4.0	5.0	5.7	7.8	8.6	7.8	8.8
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-3.5	-5.7	-5.8	-5.1	-5.8	-4.9	-0.8	0.1	3.2	4.0	4.2	4.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	-2.9	-2.3	-3.6	-1.2	-5.5	-7.2	0.1	-7.2	-8.1	-8.4	-11.9	-0.3
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	21.1	22.3	16.0	15.3	19.7	15.2	16.6	19.7	13.5	16.2	16.1	11.9
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam												
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	0.03	8.1	7.3	15.3	11.6	11.0	8.4	9.6	13.4	13.0	11.7	14.2
25994	Pembuatan barangan rumah daripada logam	-0.6	6.1	-1.5	-0.9	-6.3	-8.5	-5.1	-1.9	4.3	7.1	6.2	6.5
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	10.6	11.2	9.0	2.3	2.1	2.5	1.1	2.5	5.8	7.6	7.0	6.1
	Industri lain	-32.6	7.0	1.2	-2.3	21.3	20.9	20.3	25.9	35.2	33.9	34.5	29.4
261	Pembuatan komponen dan papan elektronik	-0.3	0.4	4.4	3.0	3.9	2.7	-1.8	-0.7	-1.3	-1.2	-1.0	-2.8
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya												
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-1.3	-0.2	5.2	3.5	0.9	-0.9	0.5	1.9	0.3	0.2	-1.0	-1.6
26103	Pembuatan kapasitor dan perintang elektrik												
26104	Pembuatan papan litar bercetak	1.9	1.1	3.9	3.0	10.6	10.4	-7.0	-4.5	-4.3	-4.2	-1.0	-5.4
26105	Pembuatan komponen paparan												
26109	Pembuatan komponen lain untuk aplikasi elektronik	-1.1	3.2	-3.9	-3.0	-1.1	7.3	1.8	-11.8	-3.0	0.9	-1.0	1.0
262													
(26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	0.6	7.8	-5.6	2.2	5.3	-4.9	6.7	4.9	2.9	3.0	8.1	6.4
263/ 26300	Pembuatan peralatan komunikasi	10.8	8.1	7.3	-8.5	4.3	8.3	-8.0	-2.4	-4.0	-4.9	-6.8	-9.2
264/ 26400	Pembuatan peralatan elektronik pengguna	-1.9	-4.0	5.8	-6.7	-3.3	-4.6	-2.4	-6.4	5.1	5.5	5.1	4.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	21.4	23.5	17.9	29.2	30.9	28.6	28.9	21.1	21.3	18.5	12.0	8.8
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan												
26512	Pembuatan kelengkapan kawalan proses perindustrian	23.4	25.1	18.5	30.7	33.0	30.4	30.0	22.0	22.1	19.1	12.4	9.8
26520	Pembuatan jam tangan dan jam dan bahagiannya	2.9	6.6	10.7	10.4	5.2	2.9	15.2	8.9	10.0	10.1	6.5	-6.2
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	7.2	12.9	2.0	9.7	3.3	-0.03	-6.8	-9.2	-8.1	-7.9	-8.2	-7.4

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
5.9	6.9	6.1	6.1	3.0	2.6	3.2	2.8	0.7	2.7	2.1	2.0	Manufacture of non-metallic mineral products
15.0	19.8	18.2	13.5	7.1	3.1	3.0	3.3	3.8	2.8	6.5	8.0	Manufacture of refractory mortars and concretes
												Manufacture of non-refractory ceramic
-24.3	0.7	1.5	0.5	2.4	2.9	7.1	11.0	11.8	11.1	7.9	10.2	Manufacture of other porcelain and ceramic products
1.7	-13.3	-13.2	-16.7	-19.1	-19.2	-10.9	-21.5	-23.8	-19.6	-20.8	-22.5	Manufacture of hydraulic cement
6.2	6.1	11.1	11.1	7.9	8.1	7.7	6.6	5.5	9.2	9.4	12.3	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
5.9	6.5	4.5	3.7	2.1	2.2	0.9	2.7	-0.6	2.5	-1.2	-1.8	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
												Manufacture of other articles of concrete, cement and plaster n.e.c.
13.5	13.3	7.0	13.6	6.2	8.0	7.9	8.4	4.3	4.7	7.2	3.8	Manufacture of other non-metallic mineral products n.e.c.
4.3	7.3	7.0	7.7	7.4	2.2	6.2	1.6	1.7	0.7	3.6	3.6	Other industry
2.2	-2.3	-0.4	0.1	-2.0	-0.5	-0.3	0.1	1.1	0.0	1.1	0.4	Manufacture of basic iron and steel
3.3	4.1	5.3	11.2	10.1	10.0	11.6	11.1	11.4	7.5	6.9	9.4	Manufacture of basic precious and other non-ferrous metals
-1.1	5.3	-2.0	2.8	-3.0	-4.2	2.4	2.2	-0.1	-1.1	-2.6	-5.4	Casting of metals
9.8	6.2	4.2	1.6	2.8	3.2	4.5	6.0	4.0	5.0	3.3	0.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
3.7	-5.8	-5.7	-6.4	-5.3	-4.2	-4.6	-1.1	-3.7	0.2	-1.0	-2.0	Manufacture of metal doors, windows and their frames, shutters and gates
												Manufacture of other structural metal products
22.6	22.7	20.9	14.3	16.0	15.6	18.8	17.2	17.2	16.1	12.8	4.9	Manufacture of tanks, reservoirs and containers of metal
-2.2	8.7	-1.0	-1.7	-1.6	-1.7	0.4	2.9	-4.1	-8.1	-7.9	-7.1	Other industry
8.0	6.3	8.0	11.9	11.0	11.3	9.7	9.1	7.6	5.3	4.4	4.1	Manufacture of other fabricated metal products; metal working service activities
2.8	2.9	6.0	6.3	6.4	6.0	6.0	7.4	7.6	8.4	8.9	7.3	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-0.6	-0.1	4.1	5.6	6.0	-0.1	-0.3	-0.7	-0.9	11.7	4.5	-0.9	Treatment and coating of metals; machining
16.0	17.2	15.4	20.1	20.8	20.7	23.8	11.5	5.6	5.9	3.1	8.6	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
18.1	16.0	17.9	19.4	13.4	17.4	12.7	14.4	11.5	1.7	0.5	0.1	Manufacture of bolts, screws, nuts and similar threaded products
8.5	12.4	8.8	8.4	12.7	10.2	4.9	4.1	4.3	5.9	4.6	1.2	Manufacture of metal household articles
-1.2	-1.1	0.4	11.3	11.9	11.6	8.6	9.5	9.6	4.9	7.7	7.3	Manufacture of any other fabricated metal products n.e.c.
27.8	-8.2	-8.1	-7.9	-3.8	-0.4	1.7	1.7	1.8	1.5	-0.8	-1.0	Other industry
-4.7	-8.6	-9.0	-10.5	-8.3	-7.0	-6.6	-6.6	-6.8	-7.2	-6.2	-7.6	Manufacture of electronic components and boards
-3.2	-4.8	-7.0	-9.0	-7.6	-5.3	-4.1	-2.9	-3.1	-2.9	-0.6	-1.7	Manufacture of diodes, transistors and similar semiconductor devices
												Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
-8.8	-16.7	-14.3	-14.8	-10.4	-11.3	-14.4	-16.4	-14.7	-16.4	-17.4	-19.7	Manufacture of printed circuit boards
												Manufacture of display components
5.5	-0.1	0.7	0.4	-0.1	-1.6	7.7	6.9	-5.4	-5.2	-3.6	-4.2	Manufacture of other components for electronic applications
6.6	2.9	5.8	2.5	0.8	14.8	15.6	18.2	20.5	21.0	18.7	19.5	Manufacture of computers and peripheral equipment
-9.5	-3.0	-5.6	-3.6	6.7	2.9	14.1	0.7	6.4	6.2	5.6	5.9	Manufacture of communication equipment
5.7	-2.9	-19.0	-18.3	-17.2	-24.8	-40.8	-40.6	-41.0	-32.2	-32.3	-28.1	Manufacture of consumer electronics
22.9	27.8	28.6	25.2	23.2	30.6	28.5	8.7	6.5	16.8	16.4	18.1	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
25.0	29.7	30.4	26.8	24.1	31.8	30.7	9.6	7.3	18.3	17.6	19.6	Manufacture of industrial process control equipment
-0.4	3.8	4.0	1.6	8.8	8.3	-3.9	-4.6	-4.6	-6.1	-2.4	-7.2	Manufacture of watches and clocks and parts
1.7	1.2	4.8	-4.8	3.7	-4.2	16.0	14.5	20.0	19.6	19.9	5.9	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2024	2023		
					Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	26.6	-0.1	5.6	3.1	-6.8	-1.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.0	-0.4	3.1	-1.7	3.9	-1.2
27101	Pembuatan motor elektrik, penjana dan transformer	5.2	3.2	7.3	2.5	0.6	2.0
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-8.9	-2.7	0.4	-3.9	6.1	-3.3
272/ 27200	Pembuatan bateri dan akumulator	10.0	14.2	8.3	14.8	15.6	16.0
273	Pembuatan pendawaian dan peranti pendawaian	13.0	-5.6	-13.8	2.0	-1.6	-6.3
27310	Pembuatan kabel gentian optikal	24.2	10.4	4.5	11.8	26.8	9.4
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	12.6	-6.4	-16.4	2.5	-2.9	-7.2
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1.9	-20.1	12.0	-26.6	-21.1	-18.6
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12.5	0.6	15.9	-1.3	-2.3	2.2
275/ 27500	Pembuatan perkakasan domestik	-24.1	-9.3	-11.7	-24.1	-17.3	1.1
279/ 27900	Pembuatan kelengkapan elektrik lain	31.8	12.4	15.4	30.3	14.1	7.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.1	0.6	-0.7	2.3	0.9	0.2
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.1	3.7	-29.7	1.5	6.7	4.8
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.1	-2.2	-0.5	-3.2	-0.1	-2.0
28192	Pembuatan jentera pembentukan logam dan alatan mesin						
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.8	-14.3	1.9	2.6	-12.2	-22.2
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-5.3	-2.3	-4.1	-4.5	4.5	0.4
	Industri lain	5.5	8.1	4.3	7.0	4.3	9.5
291 (29101 & 29102)	Pembuatan kenderaan bermotor	9.0	-3.7	-8.5	-5.4	-5.8	-0.9
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	21.7	16.6	4.6	25.5	6.5	15.0
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.0	4.2	6.3	0.4	7.0	5.3
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.6	11.0	16.8	2.8	7.4	13.4
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	6.3	-0.3	1.0	2.3	-0.2	-2.4
30910	Pembuatan motosikal	10.7	0.04	3.21	-0.4	-2.9	-1.4
30920	Pembuatan basikal dan <i>invalid carriages</i>	-8.4	-12.5	-18.6	3.4	0.2	-21.2
	Industri lain	5.4	6.2	5.3	8.8	7.0	6.0
310	Pembuatan perabot	5.4	5.1	1.1	3.8	4.2	6.1
31001	Pembuatan perabot kayu dan rotan	9.3	8.2	0.9	6.9	8.9	8.8
	Industri lain	-7.4	-6.8	1.8	-7.8	-12.8	-4.5
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	4.4	-1.7	2.7	-0.9	-3.3	-0.8
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.5	0.7	7.4	-3.4	-0.3	0.5
32901	Pembuatan alat tulis	1.5	-3.6	3.6	-6.7	-8.4	0.8
	Industri lain	1.5	1.8	8.3	-2.6	2.0	0.5
323/ 32300	Pembuatan barangan sukan	1.3	-4.6	-16.6	5.2	1.9	-8.9
324/ 32400	Pembuatan permainan dan mainan	28.2	11.5	-8.0	17.4	21.7	5.0
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.7	6.7	0.9	7.5	7.4	8.5
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2.9	13.3	-2.1	16.1	12.2	9.7
	Industri lain	5.2	4.9	1.8	5.2	6.2	8.2
Jumlah Pembuatan		5.2	3.5	1.5	4.3	3.6	3.0

2024					2023	2024	Group Description/Period
Q4	Q1	Q2	Q3	Q4	(Jan. - Dis.)	(Jan. - Dis.)	
5.5	10.7	6.2	3.1	2.6	-0.1	5.6	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-2.3	-1.9	7.4	5.9	1.5	-0.4	3.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
7.8	10.8	5.9	9.2	3.7	3.2	7.3	Manufacture of electric motors, generators and transformers
-8.5	-9.1	8.4	3.6	-0.1	-2.7	0.4	Manufacture of electricity distribution and control apparatus
10.8	5.7	19.6	9.7	-1.2	14.2	8.3	Manufacture of batteries and accumulators
-15.9	-15.8	-17.2	-14.4	-7.0	-5.6	-13.8	Manufacture of wiring and wiring devices
-2.2	3.8	4.4	3.4	6.4	10.4	4.5	Manufacture of fibre optic cables
-17.3	-18.2	-20.4	-17.1	-9.0	-6.4	-16.4	Manufacture of other electronic and electric wires and cables
-13.0	10.8	15.9	11.5	9.7	-20.1	12.0	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3.1	14.3	22.7	16.2	11.7	0.6	15.9	Manufacture of electric lighting equipment
9.7	1.9	-16.5	-19.7	-11.5	-9.3	-11.7	Manufacture of domestic appliances
1.4	0.3	20.4	20.8	20.9	12.4	15.4	Manufacture of other electrical equipment
-0.9	-1.5	-2.5	-0.7	1.6	0.6	-0.7	Manufacture of general-purpose and special-purpose machinery
2.1	-31.0	-34.1	-31.6	-22.7	3.7	-29.7	Manufacture of fluid power equipment
-3.3	-1.8	-6.9	-0.7	6.8	-2.2	-0.5	Manufacture of other pumps, compressors, taps and valves
-23.9	-2.0	1.7	2.0	6.6	-14.3	1.9	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-9.0	-12.0	-10.8	1.5	7.6	-2.3	-4.1	Manufacture of metal-forming machinery and machine tools
11.6	6.4	6.3	3.6	1.0	8.1	4.3	Manufacture of air-conditioning machines, including for motor vehicles
-2.7	-3.5	-11.3	-11.1	-8.2	-3.7	-8.5	Manufacture of other special-purpose machinery
20.0	9.3	10.9	2.5	-2.9	16.6	4.6	Other industry
4.0	2.6	7.2	8.7	6.9	4.2	6.3	Manufacture of motor vehicles
21.3	17.2	17.3	18.2	14.7	11.0	16.8	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.7	-1.0	1.0	1.6	2.7	-0.3	1.0	Manufacture of parts and accessories for motor vehicles
5.3	2.3	2.8	1.9	5.8	0.04	3.2	Building of ships and boats
-31.0	-30.9	-25.8	-4.5	-6.7	-12.5	-18.6	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
3.1	7.7	11.1	3.7	-1.1	6.2	5.3	Manufacture of motorcycles
6.4	1.7	1.4	0.7	0.6	5.1	1.1	Manufacture of bicycles and invalid carriages
8.3	2.9	0.9	-0.4	0.2	8.2	0.9	Other industry
-1.4	-3.8	3.3	5.8	2.3	-6.8	1.8	Manufacture of furniture
-1.7	-0.2	9.0	4.6	-2.0	-1.7	2.7	Manufacture of wooden and cane furniture
6.0	6.9	5.8	6.9	9.7	0.7	7.4	Other industry
0.3	0.1	0.6	4.3	9.2	-3.6	3.6	Manufacture of jewellery, bijouterie and related articles
7.5	8.7	7.1	7.6	9.8	1.8	8.3	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-16.2	-17.1	-18.1	-14.8	-15.9	-4.6	-16.6	Manufacture of stationery
4.3	-13.6	-5.7	-5.0	-7.9	11.5	-8.0	Other industry
3.6	0.9	0.9	1.1	0.8	6.7	0.9	Manufacture of sports goods
14.8	7.2	10.8	-4.9	-20.0	13.3	-2.1	Manufacture of games and toys
0.4	-0.9	-1.8	2.7	7.5	4.9	1.81	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
2.9	1.2	1.4	1.7	1.7	3.5	1.5	Repair and maintenance of transport equipment except motorcycles and bicycles
							Other industry
							Total Manufacturing

Jadual
Table

1.6b

: Gaji dan Upah yang Dibayar Sektor
: Salaries and Wages Paid of Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023											
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	14.8	12.0	-11.5	-5.7	-7.2	-7.4	-8.1	-1.6	4.7	7.1	8.8	1.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-3.1	-5.6	4.2	7.6	3.5	1.0	1.2	-2.5	-2.2	-2.1	-3.9	-1.0
27101	Pembuatan motor elektrik, penjana dan transformer	4.6	0.6	2.1	1.8	-0.5	0.7	-1.8	1.5	6.3	6.5	8.7	8.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-7.3	-8.7	5.3	11.6	6.2	1.2	3.1	-5.1	-7.7	-7.9	-11.8	-6.1
272/ 27200	Pembuatan bateri dan akumulator	10.8	16.5	17.2	16.5	19.1	11.1	18.3	13.2	16.6	15.0	11.9	5.8
273	Pembuatan pendawaian dan peranti pendawaian	2.2	3.6	0.1	-2.6	-3.3	1.1	-4.6	-5.9	-8.3	-13.9	-13.0	-20.7
27310	Pembuatan kabel gentian optikal	11.6	14.4	9.4	25.2	26.9	28.0	14.3	10.4	4.1	6.4	-5.8	-6.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	2.7	4.2	0.6	-3.5	-5.2	-0.2	-5.6	-6.8	-9.1	-15.4	-13.4	-22.7
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-25.3	-27.3	-27.1	-28.6	-15.7	-19.1	-21.0	-17.7	-17.1	-20.3	-19.4	5.2
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-5.4	1.4	0.8	0.6	0.3	-6.9	2.1	2.8	1.7	1.5	-4.0	11.3
275/ 27500	Pembuatan perkakasan domestik	-27.3	-22.6	-22.2	-23.2	-15.2	-15.0	-8.2	1.8	12.0	9.4	10.3	9.4
279/ 27900	Pembuatan kelengkapan elektrik lain	36.8	32.4	21.9	10.5	13.5	18.2	11.7	13.8	-1.0	7.4	-0.5	-1.9
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	1.7	0.5	4.8	1.0	0.2	1.6	0.2	0.1	0.1	-0.4	0.6	-2.6
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-1.2	2.8	3.0	4.3	7.3	8.5	5.3	5.1	3.9	2.3	0.5	3.2
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.6	-11.9	6.0	-1.1	-0.7	1.4	-0.4	-2.3	-3.2	-7.8	-2.0	-0.05
28192	Pembuatan jentera pembentukan logam dan alatan mesin	5.6	5.5	-2.9	-10.1	-12.6	-13.9	-18.6	-25.5	-22.1	-20.9	-22.5	-27.6
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-7.5	-7.9	3.4	-2.4	7.4	9.5	12.6	-6.4	-5.1	-4.5	-6.4	-14.9
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	5.7	7.2	8.2	6.4	2.3	4.2	4.0	13.1	11.3	12.0	13.3	9.7
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-4.1	-5.9	-6.3	-7.2	-5.7	-4.5	-1.2	-2.2	0.9	-0.9	-0.9	-5.7
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	39.7	33.3	6.8	5.9	8.3	5.3	7.1	20.7	17.0	20.5	20.0	19.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-1.6	-0.8	3.8	3.5	9.4	8.1	8.1	5.0	2.9	3.6	3.3	5.1
301 (30110 & 30120)	Pembinaan kapal dan bot	3.0	3.4	2.1	0.02	10.6	12.1	11.5	13.7	14.9	15.7	24.4	23.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	3.9	2.5	0.5	0.9	-0.2	-1.3	-0.7	-3.1	-3.6	-0.8	-1.0	-0.3
30910	Pembuatan motosikal	1.6	1.9	-4.5	-1.7	-3.7	-3.2	-3.9	-1.6	1.1	3.8	5.6	6.4
30920	Pembuatan basikal dan <i>invalid carriages</i>	1.8	0.7	7.9	4.7	-1.1	-3.0	-4.6	-28.8	-30.0	-31.1	-30.8	-31.1
	Industri lain	11.1	5.0	10.3	5.9	10.2	4.8	10.0	8.5	-0.1	4.5	2.0	2.9
310	Pembuatan perabot	4.8	3.3	3.2	2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2
31001	Pembuatan perabot kayu dan rotan	8.5	6.4	5.9	5.5	11.0	10.2	9.6	9.6	7.2	7.5	7.9	9.6
	Industri lain	-8.6	-7.9	-7.0	-6.6	-16.1	-15.9	-5.8	-4.9	-2.9	-1.1	-0.2	-2.8
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-3.4	-3.6	4.7	4.3	-2.8	-11.5	-1.1	-2.5	1.2	1.7	8.5	-12.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-2.6	-3.0	-4.7	-3.5	3.5	-0.8	-0.3	0.4	1.4	4.3	4.7	9.0
32901	Pembuatan alat tulis	-9.5	-4.9	-5.6	-12.4	-4.9	-7.8	-4.1	2.6	4.1	0.2	0.1	0.6
	Industri lain	-0.8	-2.5	-4.5	-1.0	5.8	1.1	0.8	-0.2	0.8	5.4	5.8	11.1
323/ 32300	Pembuatan barangan sukan	-0.7	8.4	8.1	3.2	5.8	-3.2	4.2	-14.6	-16.3	-12.7	-18.0	-17.9
324/ 32400	Pembuatan permainan dan mainan	15.6	12.2	24.8	16.8	25.1	23.1	5.8	6.8	2.7	8.1	-2.1	6.6
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.0	9.1	6.4	5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	16.3	20.3	11.9	8.6	14.1	14.3	11.6	9.7	8.1	9.2	9.9	24.1
	Industri lain	4.6	6.1	4.9	5.0	7.1	6.5	7.4	8.6	8.6	1.9	1.2	-1.9
Jumlah Pembuatan		4.0	4.6	4.2	3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1

2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
7.4	13.9	10.9	8.5	5.5	4.5	5.9	1.9	1.6	1.9	0.5	5.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-2.2	0.1	-3.7	4.4	8.1	9.5	7.2	4.9	5.5	3.8	0.9	-0.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
8.9	9.8	14.0	1.8	8.3	7.4	13.0	7.3	7.6	3.9	3.7	3.6	Manufacture of electric motors, generators and transformers
-8.9	-5.3	-12.9	6.2	8.0	10.9	3.6	3.3	4.0	3.7	-1.3	-2.3	Manufacture of electricity distribution and control apparatus
1.7	8.0	7.1	18.0	16.5	24.7	12.8	8.7	7.8	4.1	-1.2	-6.5	Manufacture of batteries and accumulators
-15.9	-17.7	-13.6	-19.2	-13.0	-19.5	-10.9	-15.3	-17.1	-9.0	-11.9	0.3	Manufacture of wiring and wiring devices
4.1	3.1	4.2	7.2	-0.03	6.5	6.3	2.3	1.8	-2.2	13.2	8.9	Manufacture of fibre optic cables
-18.3	-20.4	-15.8	-23.1	-15.1	-23.0	-13.5	-17.8	-19.9	-10.4	-15.2	-1.1	Manufacture of other electronic and electric wires and cables
8.7	15.5	8.1	28.6	9.4	11.5	16.5	8.6	9.7	9.6	8.6	11.0	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
8.3	8.5	28.5	20.7	25.3	22.0	23.1	14.2	11.6	11.4	15.5	9.0	Manufacture of electric lighting equipment
3.8	-0.7	2.7	-2.1	-21.6	-21.3	-22.1	-17.3	-19.9	-16.0	-11.0	-7.5	Manufacture of domestic appliances
3.9	-5.8	2.8	20.5	19.7	20.8	16.9	22.1	23.2	16.2	28.9	18.3	Manufacture of other electrical equipment
-1.7	-1.3	-1.6	-1.7	-3.0	-2.7	0.2	-1.9	-0.3	1.2	1.8	1.9	Manufacture of general-purpose and special-purpose machinery
-29.6	-30.2	-33.1	-35.7	-33.3	-33.4	-32.6	-32.4	-29.7	-20.9	-21.0	-25.6	Manufacture of fluid power equipment
												Manufacture of other pumps, compressors, taps and valves
-0.9	4.7	-8.8	-6.7	-6.1	-7.9	-2.1	-4.3	4.3	7.3	2.8	10.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
												Manufacture of metal-forming machinery and machine tools
-4.5	-0.7	-0.8	1.0	1.2	2.9	2.3	1.8	2.0	2.4	8.6	8.5	Manufacture of air-conditioning machines, including for motor vehicles
-9.4	-17.1	-9.2	-9.2	-12.9	-10.4	-10.4	8.6	8.5	8.8	10.6	3.8	Manufacture of other special-purpose machinery
5.3	5.2	9.0	7.5	5.3	6.0	9.7	1.2	0.4	0.4	1.4	1.3	Other industry
-2.0	-3.2	-5.5	-10.7	-10.8	-12.2	-12.5	-11.1	-9.7	-10.9	-10.6	-3.5	Manufacture of motor vehicles
8.5	9.1	10.5	12.1	9.6	11.1	12.5	0.5	-4.0	-3.4	-1.5	-3.8	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
3.6	2.7	1.4	8.0	7.2	6.3	7.5	9.8	8.8	9.8	7.3	3.7	Manufacture of parts and accessories for motor vehicles
23.8	16.9	12.0	18.3	16.1	17.5	18.3	18.4	18.0	18.6	11.4	14.3	Building of ships and boats
-1.9	-1.5	0.3	0.1	1.1	1.8	2.1	1.1	1.5	0.7	4.2	3.2	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
4.0	-0.6	3.5	1.1	3.2	4.3	3.9	1.0	0.9	1.0	8.3	8.5	Manufacture of motorcycles
-29.9	-30.2	-32.5	-29.4	-25.4	-22.3	-8.2	-2.6	-1.6	1.4	-7.9	-12.9	Manufacture of bicycles and invalid carriages
-0.2	12.4	11.0	14.2	10.2	8.8	3.4	3.0	4.6	-0.05	-0.4	-3.0	Other industry
1.5	1.7	1.9	2.0	1.2	0.8	0.3	1.0	0.7	0.6	0.3	0.9	Manufacture of furniture
2.4	2.9	3.5	3.5	-0.1	-0.6	-1.1	-0.2	-0.1	-0.3	-0.1	1.0	Manufacture of wooden and cane furniture
-2.4	-3.8	-5.2	-4.3	7.6	7.7	6.6	6.4	4.6	4.8	2.1	0.1	Other industry
-5.8	3.6	1.8	1.4	10.0	17.1	6.6	6.2	1.2	3.5	-7.9	-1.1	Manufacture of jewellery, bijouterie and related articles
4.5	6.6	9.7	9.8	3.0	5.0	8.4	6.4	6.1	8.1	11.1	9.8	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
4.0	-1.5	-2.1	1.6	-1.8	2.2	1.7	3.0	8.2	8.0	10.5	9.2	Manufacture of stationery
4.6	8.8	12.8	11.9	4.2	5.7	10.1	7.3	5.5	8.1	11.2	10.0	Other industry
-12.9	-19.9	-18.4	-19.1	-18.4	-16.8	-16.6	-16.7	-10.4	-22.0	-15.3	-9.7	Manufacture of sports goods
-15.3	-15.1	-10.8	1.8	-6.8	-11.4	-3.6	-5.6	-5.7	-8.4	-2.0	-12.3	Manufacture of games and toys
0.9	0.7	1.0	0.8	0.7	1.4	1.0	1.5	0.8	1.2	0.8	0.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
4.9	8.1	8.4	13.5	9.4	9.5	-4.7	-5.2	-4.8	-13.1	-19.6	-25.2	Repair and maintenance of transport equipment except motorcycles and bicycles
-0.2	-1.6	-1.0	-2.7	-1.7	-0.8	2.4	3.2	2.3	5.1	7.4	10.1	Other industry
2.0	1.0	0.7	1.2	1.1	1.8	2.4	1.5	1.2	1.7	1.8	1.7	Total Manufacturing

Jadual **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	3.6	2.5	0.7	4.3	-7.1	0.4	4.0	4.7	-1.9	-8.0	-1.2	4.4	2.6	0.5	-3.4
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	1.3	-0.3	2.4	0.2	-2.2	-1.6	5.6	-0.4	1.8	-1.1	-0.2	-2.0	3.3	0.1	1.2
	10201 Pengetinan ikan, krustasea dan moluska															
	&															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	2.4	-0.5	1.7	-1.3	-3.2	-1.4	4.7	-0.3	1.6	-1.1	0.1	-2.5	3.7	-0.4	1.6
	Industri lain	-3.2	0.6	5.3	6.6	1.9	-2.3	9.2	-1.0	2.5	-1.4	-1.6	0.4	1.3	2.4	-0.8
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	12.7	7.3	-4.7	-2.4	3.0	-1.4	-3.9	-5.5	8.4	3.6	1.9	4.1	1.0	0.03	-2.1
	10303 Pengetinan nanas															
	&															
	10304 Pembuatan jem, marmalad dan sajian jeli	29.1	6.2	-7.4	-4.7	2.4	1.7	-3.3	0.3	12.4	12.8	4.7	-1.4	2.5	-3.1	-3.4
	Industri lain	11.7	7.4	-4.5	-2.2	3.0	-1.6	-3.9	-5.9	8.1	2.9	1.7	4.5	0.9	0.3	-2.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.1	0.2	1.2	4.9	-0.6	3.1	-0.3	4.0	-5.5	-1.4	-1.2	1.5	0.2	-0.7	2.5
	10404 Pembuatan minyak sayuran mentah dan bertapis															
	&															
	10406 Pembuatan sebatian lemak masakan	1.3	0.8	-5.5	2.3	0.7	-0.4	5.1	3.0	1.9	-1.5	0.1	1.3	-1.0	1.8	-9.4
	10405 Pembuatan minyak kelapa	19.0	3.6	12.4	-1.7	0.3	1.0	-2.1	19.0	-1.4	-0.2	3.7	0.6	0.4	10.3	
	Industri lain	0.5	0.03	1.3	5.4	-0.8	3.4	-0.7	4.3	-6.8	-1.3	-1.3	1.5	0.3	-0.9	3.2
105	Pembuatan produk tenusu	6.4	3.3	-3.2	7.1	2.5	0.2	0.1	5.8	3.0	5.7	-3.0	3.3	-0.8	2.1	-8.7
	10502 Pembuatan susu pekat, tepung dan sejat	6.8	3.2	-4.2	7.6	3.6	-0.6	0.6	6.2	2.6	7.9	-4.4	4.1	-1.5	2.3	-9.7
	Industri lain	3.4	3.6	4.9	3.5	-5.7	7.0	-3.6	2.7	6.2	-9.8	9.2	-2.4	5.2	0.6	-0.2
106	Pembuatan produk bijian, kanji dan produk berkanji	4.8	2.3	-2.4	-1.3	-4.8	-4.7	0.5	2.1	1.9	-0.3	-0.3	3.3	-3.3	4.7	-2.9
	10611 Pengilangan beras	8.2	-2.6	-0.6	-4.5	1.5	-4.3	-1.2	-1.9	4.1	4.4	0.1	-2.6	-1.6	-1.3	2.9
	10613 Pengilangan tepung	1.6	8.8	-4.1	1.8	-11.4	-6.2	3.5	7.0	-1.3	-3.0	-0.6	9.9	-5.0	11.9	-8.9
	Industri lain	0.9	-3.1	-4.4	2.3	-2.4	1.8	-5.0	-1.0	8.5	-14.7	-2.1	6.5	-3.7	0.2	-0.3
107	Pembuatan produk makanan lain	0.5	-1.1	4.6	5.1	-2.9	-2.7	2.2	3.7	-0.9	-2.8	0.01	-1.2	1.6	-0.1	1.6
	10711 Pembuatan biskut dan cookies	3.7	2.1	8.1	2.0	-5.8	1.5	8.8	1.6	4.4	-1.9	-0.6	1.1	3.2	-0.1	6.0
	10712 Pembuatan roti, kek dan produk bakeri lain	-3.3	2.0	4.0	2.4	-3.9	1.6	2.5	3.2	-0.2	-3.5	-2.6	3.9	2.7	-2.0	3.8
	10713 Pembuatan produk snek	2.0	-3.6	5.3	6.5	4.3	1.5	1.2	2.9	-2.7	1.2	0.6	-4.1	-2.2	3.6	0.2
	10721 Pembuatan gula	-5.3	-0.5	3.5	8.3	-1.1	-0.5	-2.7	17.6	16.9	1.5	-9.2	1.1	8.7	-3.3	-1.2
	10731 Pembuatan produk koko	-0.7	6.3	2.4	0.9	-8.3	6.9	-0.6	-1.9	-3.2	4.8	-2.6	14.8	-10.1	-1.8	7.7
	10732 Pembuatan coklat dan produk coklat															
	&															
	10733 Pembuatan konfeksi gula	-2.5	-9.4	9.1	11.5	-7.0	-9.3	-0.8	11.5	-10.0	-1.6	0.7	-9.5	0.4	-0.3	3.3
	10793 Pembuatan sos dan bahan perasa	5.0	2.1	4.7	11.1	8.8	-6.6	6.3	8.1	-8.3	-2.5	19.3	-6.7	-4.0	3.5	-2.8
	10799 Pembuatan produk makanan lain t.t.t.l.	2.4	-1.0	7.0	6.2	-8.7	-6.5	-1.1	7.0	7.8	-9.8	-0.6	-1.5	6.4	0.9	1.0
	Industri lain	1.6	-2.8	1.6	3.5	-2.4	-3.7	1.1	-0.7	-1.3	-1.3	-2.9	-1.5	1.9	-0.4	-0.3
108/ 10800	Pembuatan makanan haiwan tersedia	1.2	-1.5	2.1	6.6	-7.4	-2.9	5.3	6.2	-13.8	7.9	-4.7	-2.9	4.2	-1.8	2.7
110	Pembuatan minuman ringan	-1.4	-1.9	0.2	10.5	-1.9	-1.4	0.4	11.1	-6.8	-2.6	-0.2	1.6	-3.3	-0.8	-0.7
	11041 Pembuatan minuman ringan	-2.9	-0.6	-2.4	11.6	-3.8	0.2	0.1	14.4	-9.6	-2.9	-0.4	2.5	-2.1	-0.9	-1.4
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1.9	-3.8	4.6	5.8	0.7	-6.7	3.1	1.3	1.5	-3.3	4.4	-0.5	-7.4	-0.3	0.6
	Industri lain	5.4	-10.2	17.1	15.7	10.0	-0.3	-4.1	7.7	-1.2	2.7	-12.6	-1.2	-1.7	-0.6	2.5
120/ 12000	Pembuatan produk tembakau	0.9	-11.6	-2.6	17.1	-4.4	-9.6	0.9	15.4	-17.0	7.0	-3.6	-10.5	-1.3	-0.4	-2.2
131	Pemintalan, penenunan dan penyiapan tekstil	-8.7	1.1	3.7	1.3	-4.5	4.3	1.4	2.0	-7.1	-6.6	1.7	0.1	3.9	-1.2	1.4
	13110 Penyediaan dan pemintalan gentian tekstil															
	&															
	13120 Penenunan tekstil	-9.7	4.3	5.6	0.5	-5.4	5.5	2.2	0.9	-5.6	-10.5	5.0	1.6	5.6	-1.4	4.3
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-7.5	-5.6	-1.4	4.4	-3.1	1.9	0.1	6.0	-10.6	1.0	-4.8	-2.1	-0.5	-1.2	-5.8
	Industri lain	5.1	-4.0	7.6	-7.8	4.2	-0.6	-6.2	-12.5	-0.8	12.8	-0.8	-13.0	6.4	6.8	2.5
139	Pembuatan tekstil lain	7.0	3.0	-0.9	1.5	-0.5	0.2	-0.3	0.6	6.7	-1.8	2.0	1.4	1.8	-1.3	-1.0
	13910 Pembuatan fabrik dikait dan dikrusye	-5.9	8.7	-3.2	3.3	-7.1	5.2	-3.8	-4.9	-6.5	0.1	-2.1	8.7	2.2	-0.3	-5.0
	Industri lain	12.6	0.9	0.0	0.8	2.1	-1.6	1.0	2.6	12.5	-2.5	3.6	-1.1	1.7	-1.7	0.5
141	Pembuatan pakaian, kecuali pakaian berbulu	0.3	-3.7	-2.0	9.4	-0.4	-4.9	-2.7	7.1	-4.5	-7.2	0.5	0.5	-0.9	-4.3	0.6
	14102 Pembuatan pakaian	-0.9	-5.0	-2.2	12.3	2.6	-6.3	-2.2	9.8	-6.9	-9.0	-0.2	1.1	-1.3	-5.9	2.7
	Industri lain	2.8	-1.0	-1.8	3.4	-6.9	-1.3	-3.7	0.8	1.1	-3.1	1.9	-0.8	-0.1	-1.0	-3.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.4	1.0	2.2	0.8	2.3	-0.8	-1.4	2.0	4.0	-10.3	2.8	2.7	0.8	-1.0	1.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-1.0	-0.04	-1.2	5.5	-4.2	4.7	2.5	4.9	-2.0	-2.4	1.0	0.6	0.2	-1.8	-1.3
152	Pembuatan kasut	5.8	-3.4	-1.8	6.7	1.5	-5.4	-0.7	8.1	3.3	1.0	-1.5	-2.6	0.9	-1.9	-4.6
	15201 Pembuatan kasut kulit															
	&															
	15203 Pembuatan kasut getah	4.1	-3.9	-4.5	3.4	-1.6	-4.5	-2.1	6.4	0.8	0.5	-2.1	-2.6	0.5	-1.5	-6.0
	Industri lain	10.4	-2.0	4.6	14.0	7.9	-6.9	2.0	11.1	10.4	2.1	-0.1	-2.8	1.8	-2.8	-1.1
161/ 16100	Pengilangan dan pengetaman kayu	4.7	-4.7	3.0	1.9	2.1	-0.5	5.0	3.5	2.9	2.5	-3.2	-1.8	-1.9	-1.0	5.0

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2.3	4.4	0.6	-0.01	0.1	-3.3	-6.2	0.3	0.7	3.1	-1.1	2.4	-0.5	4.6	1.0	0.3	1.8	Processing and preserving of meat
-0.5	1.3	-0.5	-1.0	2.1	-1.5	-1.9	-1.3	-2.0	3.0	-0.3	1.8	3.9	1.1	-2.1	-0.8	0.8	Processing and preserving of fish, crustaceans and molluscs
-1.7	1.0	-1.0	-1.9	2.5	-2.4	-1.7	-2.0	-1.5	3.4	-0.5	1.1	3.5	1.2	-2.4	-0.7	2.1	Canning of fish, crustaceans and molluscs
4.6	2.7	1.3	2.5	0.7	2.1	-2.9	1.4	-3.5	1.8	0.3	4.4	5.3	0.7	-1.1	-1.1	-3.8	Processing, curing and preserving of fish, crustacean and molluscs
-4.9	0.9	-0.5	-0.6	-1.4	4.6	-3.3	5.5	-2.0	-2.4	-0.4	2.7	-7.1	-2.2	-0.5	-1.2	-1.1	Other industry
-2.7	-3.4	-3.5	2.1	1.7	1.9	-4.0	4.4	0.3	1.4	-3.2	-0.8	-3.1	3.5	0.2	-2.2	1.0	Processing and preserving of fruits and vegetable
-5.0	1.2	-0.2	-0.8	-1.7	4.8	-3.3	5.6	-2.2	-2.7	-0.2	2.9	-7.3	-2.6	-0.5	-1.2	-1.3	Pineapple canning
-3.4	4.1	1.1	-2.4	11.6	-5.9	0.3	-3.3	4.8	1.6	-1.6	2.5	-4.0	1.8	0.7	-0.8	11.9	Manufacture of jams, marmalades and table jellies
3.7	2.5	0.6	-2.1	0.8	1.3	-1.2	1.4	0.1	-1.8	0.9	2.7	4.3	-1.2	2.9	-1.2	1.2	Manufacture of vegetable and animal oils and fats
1.3	1.4	-1.5	-1.6	-1.2	0.2	-0.6	5.8	-4.9	2.9	-0.6	1.5	-1.3	-0.4	-1.9	1.1	-1.0	Manufacture of crude and refined vegetable oil
-4.1	4.3	1.3	-2.4	12.9	-6.6	0.4	-4.0	5.5	1.8	-1.9	2.5	-4.7	2.1	0.7	-0.8	13.3	Manufacture of compound cooking fats
5.7	3.0	-2.8	2.2	13.6	2.1	-14.9	5.9	3.9	-1.4	-2.7	7.0	-7.4	2.2	1.3	2.0	12.6	Manufacture of coconut oil
6.0	3.0	-3.3	2.1	16.7	2.6	-16.3	6.0	4.2	-1.9	-3.4	8.9	-8.7	3.3	0.9	2.4	13.6	Manufacture of dairy products
3.0	2.8	1.1	3.2	-7.3	-2.5	-1.4	5.0	1.8	2.2	2.7	-6.4	3.8	-6.0	5.0	-1.4	5.0	Manufacture of condensed, powdered and evaporated milk
-1.9	-0.3	-1.1	-1.9	6.0	1.2	-13.6	0.8	0.9	-1.0	-1.5	1.2	-1.0	4.3	-4.6	-0.8	14.9	Other industry
-3.0	0.2	-1.2	-4.0	0.7	4.5	-3.6	1.2	-3.6	0.4	-1.6	-0.7	1.0	-0.9	-0.9	-3.2	4.1	Manufacture of grain mill products, starches and starch products
-0.5	-0.6	-1.4	0.3	11.0	-1.4	-24.3	0.2	5.8	-2.1	-1.6	3.9	-3.2	11.3	-9.0	1.9	28.2	Rice milling
-3.9	-1.3	2.3	-1.5	9.8	-3.1	-8.3	2.1	6.0	-3.7	0.01	-2.0	-2.2	-1.0	-1.3	-0.3	5.6	Flour milling
2.0	3.3	0.2	0.5	4.9	-3.9	-3.1	-0.6	-1.1	0.01	-0.4	-0.1	2.3	3.0	-1.3	1.5	3.7	Other industry
0.5	1.9	-0.9	1.7	1.3	-4.5	-3.6	-0.9	1.9	3.0	-1.6	6.9	1.7	2.1	-1.0	0.6	0.8	Manufacture of other food products
-0.2	2.6	-0.9	1.8	1.3	-4.1	1.4	-6.6	6.2	-0.3	-0.3	-2.4	6.3	3.1	-5.3	6.5	1.0	Manufacture of biscuits and cookies
3.5	3.1	1.2	-0.2	6.4	0.2	-1.3	2.7	-1.9	0.8	4.6	-2.3	-0.1	1.4	2.1	-1.3	2.4	Manufacture of bread, cakes and other bakery products
4.3	4.1	3.2	-3.7	10.1	-9.8	7.1	-1.3	-4.1	3.3	0.3	-2.3	-0.2	-4.6	22.1	-6.2	11.6	Manufacture of snack products
-0.5	0.6	-0.4	0.3	2.4	-1.3	-14.7	3.8	16.2	-10.3	5.7	-2.8	-0.7	8.2	-6.5	-0.2	-0.1	Manufacture of sugar
5.7	5.2	3.1	1.8	4.4	-6.8	-6.0	0.9	-6.6	-1.8	-0.8	-0.03	-2.8	6.8	2.6	2.7	9.4	Manufacture of cocoa products
7.8	4.4	0.1	0.1	15.7	-7.0	3.7	11.0	-11.3	-4.0	-0.6	0.8	7.9	5.7	-3.2	2.6	9.7	Manufacture of chocolate and chocolate products
2.0	5.6	0.0	-0.04	5.6	-2.4	-15.6	2.4	-1.9	-0.1	-1.1	-3.7	2.0	6.3	-0.8	2.4	3.9	Manufacture of sugar confectionery
1.1	2.4	0.3	-0.6	4.8	-2.8	-2.3	-2.8	-2.0	2.0	-1.0	1.3	-0.3	0.1	-0.2	-2.1	2.8	Manufacture of sauces and condiments
-1.7	1.2	1.4	3.1	8.0	-6.3	-9.1	-3.1	1.1	0.8	2.5	-1.4	8.2	-2.0	2.3	-1.7	11.0	Manufacture of other food products n.e.c.
0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	1.8	-4.4	1.3	-0.9	0.5	4.9	0.6	6.9	6.3	Other industry
-3.1	7.3	0.2	7.6	6.6	-8.1	-3.2	0.4	2.9	-3.8	2.2	-0.8	-2.4	7.4	0.8	9.4	8.1	Manufacture of prepared animal feeds
7.0	6.1	0.8	-2.1	0.7	3.1	-3.2	0.4	-1.2	-7.1	-0.3	1.3	8.2	-2.3	0.1	-0.4	1.2	Manufacture of beverages
17.4	9.5	-0.3	-0.02	12.4	0.7	1.6	0.5	0.9	-2.0	-2.2	-7.2	6.0	4.5	-0.3	3.7	1.8	Manufacture of soft drinks
-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	-9.4	-1.6	3.9	-0.7	-4.1	7.2	3.2	-0.9	27.2	Production of natural mineral waters and other bottled waters
2.2	0.7	-1.4	1.2	2.2	-2.1	-6.6	0.7	4.1	4.0	-1.4	1.8	-1.3	0.6	0.6	0.3	3.7	Other industry
0.6	-0.05	-1.8	1.9	2.6	-1.5	-9.8	1.2	6.5	3.5	-1.2	3.0	-2.4	1.4	-0.5	-0.3	4.7	Manufacture of tobacco products
7.0	2.7	-0.2	-0.04	1.7	-4.0	0.1	-0.5	-0.7	5.1	-1.4	-1.7	2.2	-1.0	3.9	2.1	1.5	Spinning, weaving and finishing of textiles
-1.5	-1.6	-2.2	-4.2	-4.4	0.6	13.3	-1.5	-4.9	6.5	-8.5	5.7	-8.9	-6.2	-3.1	-4.6	1.4	Preparation and spinning of textile fibres
0.02	1.2	0.8	-0.4	0.5	0.2	-3.1	3.6	-2.1	2.3	-1.5	-0.8	0.1	2.0	-1.6	0.9	0.9	Weaving of textiles
1.6	0.7	2.6	0.2	-1.4	-5.1	-5.9	8.4	0.4	2.1	0.1	-5.7	1.9	-0.1	-5.3	-0.3	0.03	Dyeing, bleaching, printing and finishing of yarns and fabrics
-0.6	1.4	0.1	-0.7	1.2	2.2	-2.1	1.9	-3.0	2.3	-2.1	1.1	-0.5	2.7	-0.3	1.3	1.3	Other industry
-1.2	4.1	-0.8	7.4	7.9	-3.4	-6.6	0.8	-0.8	-1.2	-4.7	0.9	-2.0	4.1	-1.1	4.8	8.7	Manufacture of other textiles
-2.5	4.1	-0.7	10.1	11.7	-3.1	-7.2	1.1	-1.5	-1.7	-6.0	3.2	-2.9	4.0	-1.3	7.4	12.7	Manufacture of wearing apparel, except fur
1.6	4.2	-1.0	1.9	-0.5	-4.0	-5.1	0.2	0.8	0.1	-1.5	-4.2	0.2	4.2	-0.7	-1.3	-1.4	Manufacture of clothings
1.3	0.5	-1.3	2.3	-0.5	2.3	-2.0	2.7	0.6	-3.3	-0.9	0.6	-2.5	4.3	0.4	0.1	-1.2	Other industry
-0.4	4.8	1.9	-2.4	6.6	-6.7	-2.5	2.8	1.9	0.9	3.5	-2.3	0.2	6.4	-1.2	0.2	4.9	Manufacture of articles of fur, knitted and crocheted apparel
3.0	5.6	0.8	1.7	-0.02	2.1	0.1	-3.8	-1.4	0.03	-4.8	-0.9	2.8	4.9	1.6	2.5	1.3	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
1.1	5.3	0.5	-1.1	-0.4	0.3	1.0	-5.8	-0.9	0.3	-0.8	-3.8	0.7	5.0	1.2	1.3	1.9	Manufacture of footwear
7.3	6.5	1.5	7.6	0.7	5.8	-1.4	0.04	-2.3	-0.5	-12.2	5.2	6.8	4.6	2.2	4.7	0.3	Manufacture of leather footwear
-1.7	1.5	2.0	-0.8	-0.03	0.1	2.6	1.4	-0.8	-2.1	-0.1	6.0	-1.7	3.1	2.5	-0.3	-0.7	Manufacture of rubber footwear
																	Other industry
																	Sawmilling and planning of wood

Jadual Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-1.6	2.1	2.4	-0.3	-0.9	1.0	0.8	0.3	0.4	-1.0	-0.8	0.7	-2.2	2.4
16211	Pembuatan kepingan venier dan papan lapis	-3.7	-1.5	5.6	2.0	-2.1	1.3	4.0	-2.0	-6.2	2.3	-1.8	-1.4	2.1	-3.0	6.2
16212	Pembuatan papan partikel dan papan gentian	10.8	-5.4	3.3	5.1	3.5	-12.4	-6.6	5.3	9.5	-0.8	-2.0	-0.6	-1.3	-7.2	6.1
16221	Pertukangan kayu untuk jurubina	11.9	0.2	-2.6	-3.4	-1.0	2.5	3.9	2.6	7.3	-1.3	-1.4	2.3	-1.5	1.0	-2.4
	Industri lain	2.8	-0.9	-2.5	9.5	2.7	-0.4	-4.8	3.4	3.2	-1.3	2.8	-3.3	1.4	0.6	-5.1
170	Pembuatan kertas dan produk kertas	1.3	-4.5	0.6	4.4	0.8	-5.1	0.7	4.4	-3.4	3.0	-2.0	-3.8	-0.8	0.4	-1.0
17010	Pembuatan pulpa, kertas dan kertas tebal	-12.3	-17.7	2.0	9.0	3.7	-9.8	-5.7	8.6	-13.5	12.6	-7.2	-8.5	-13.8	0.8	4.3
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.6	-0.4	2.5	1.8	0.4	-4.0	0.8	1.9	1.8	-1.6	-0.1	-1.1	2.0	-0.1	0.8
17091	Pembuatan sampul surat dan kad surat	-3.0	-0.7	-2.7	7.5	-1.0	-1.1	8.7	4.1	-4.1	-1.9	2.4	-1.4	-0.1	-0.6	-3.2
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	15.5	-10.6	-4.9	8.5	9.6	-9.1	1.1	5.2	-2.3	15.4	-4.7	-11.4	-0.9	0.3	-9.8
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-6.8	-2.4	-0.9	0.2	-7.4	-2.9	5.4	3.8	-5.5	-1.2	-2.1	-1.2	0.04	1.7	-0.2
	Industri lain	1.8	1.6	3.0	6.8	-4.7	-1.5	-0.3	8.9	-8.7	-3.0	0.5	1.2	1.0	1.1	0.7
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.4	1.1	-2.8	3.6	3.0	2.1	-3.6	2.1	0.8	-5.3	2.2	-0.3	3.4	-1.4	-2.4
18110	Percetakan	2.5	2.2	-3.2	4.2	2.1	2.6	-4.9	2.2	-0.6	-5.0	2.6	0.9	2.7	-1.6	-2.5
18120 &	Aktiviti perkhidmatan berkaitan percetakan	8.0	-4.7	-0.5	0.1	8.4	-0.2	3.0	1.3	8.7	-6.7	-0.1	-6.8	7.5	-0.7	-2.3
18200	Penerbitan semula media rakaman															
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	8.2	-15.8	4.0	12.0	2.8	-16.4	4.7	13.0	-4.7	-1.5	17.2	-24.6	-0.5	4.5	-2.6
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6.3	-7.2	-3.5	1.5	-1.8	-5.7	3.2	4.5	1.0	-1.0	8.0	-7.2	-9.0	4.4	-0.5
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	21.2	-8.7	12.0	4.3	-12.2	-11.1	16.1	-2.0	6.4	20.6	5.9	-17.1	-0.4	1.3	9.8
20112 &	Pembuatan kimia organik asas	5.7	-9.5	-6.6	1.8	-11.2	-5.3	-3.5	10.9	2.2	-3.1	5.9	-5.2	-14.6	9.1	-2.8
20113	Pembuatan sebatian bukan organik															
20121 &	Pembuatan baja	-1.5	-2.3	-6.7	-4.4	2.4	-5.5	6.9	-9.0	-4.9	-10.0	12.1	-5.8	-0.2	-0.4	-3.6
20129	Pembuatan produk campuran nitrogen	5.8	-2.7	-2.1	1.5	18.5	-4.7	8.3	3.4	-1.9	-0.1	13.7	-8.3	-3.1	-0.8	1.4
20131	Pembuatan plastik dalam bentuk primer	1.9	-14.4	-6.8	3.5	4.7	-4.3	-4.8	-4.1	5.8	-7.9	-4.3	1.2	-16.0	1.3	-4.7
	Industri lain															
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3.1	-4.4	2.8	1.9	6.0	-6.1	0.6	2.3	-7.8	2.5	-1.5	-2.8	-2.4	0.4	3.1
20210	Pembuatan racun perosak dan produk agrokimia lain	11.8	14.0	-9.8	5.0	8.3	8.5	-2.2	8.1	2.8	0.8	23.6	-2.0	1.2	1.6	-4.7
20221	Pembuatan cat, varnis dan penyadur dan mastik	14.0	-4.8	5.6	0.2	11.6	-4.5	-3.1	-3.5	-1.4	12.5	-12.6	1.9	-2.9	1.1	0.0
20222	Pembuatan dakwat cetak	-6.2	-2.2	-1.0	-3.7	-8.8	-5.8	-7.6	1.3	-7.7	-2.5	3.5	-3.7	2.0	-3.5	2.3
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap	10.1	-7.4	2.0	-2.3	5.7	-7.0	1.4	0.7	-10.1	11.8	-4.5	-5.6	-4.3	1.3	3.2
20232	Pembuatan pewangi dan penyediaan dandanan diri															
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials															
20292 &	Pembuatan dakwat menulis dan melukis	-8.0	-7.7	9.5	8.3	6.3	-11.1	4.2	4.7	-11.4	-9.8	-0.5	-2.2	-2.9	-0.04	8.2
20299	Pembuatan produk kimia lain t.t.t.l.															
	Industri lain	4.0	-1.4	-15.8	-19.2	1.9	0.5	9.2	-6.0	6.1	6.6	-12.3	4.2	3.5	-3.1	4.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-10.7	4.6	3.5	5.4	-11.2	3.8	3.2	6.5	-14.2	-5.5	0.5	9.7	-4.9	0.4	2.8
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-12.8	3.5	0.6	6.9	-11.7	4.2	1.1	6.9	-17.0	-6.8	0.9	10.5	-7.2	0.8	0.8
	Industri lain	-2.1	8.8	13.7	0.7	-9.2	2.5	10.0	5.3	-1.0	-0.2	-0.6	7.1	3.7	-1.0	10.0
221	Pembuatan produk getah	-6.0	6.3	7.4	-5.8	-5.2	2.7	6.2	-2.9	-5.6	2.1	1.3	0.6	3.2	5.6	1.6
22111	Pembuatan tayar getah untuk kenderaan	15.4	4.3	4.8	-4.9	-13.7	-16.1	0.5	-4.0	22.3	-3.8	-7.2	12.8	-1.0	-2.3	6.2
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	6.8	12.3	6.9	1.9	3.5	11.0	3.2	-2.0	0.8	0.5	25.2	-5.5	4.2	-0.1	2.0
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-0.9	5.1	2.7	0.8	-2.7	5.1	3.7	4.6	-6.2	1.0	7.7	1.7	-2.0	-1.7	4.3
22193	Pengilangan semula getah dan prosesan susu getah															
22192	Pembuatan sarung tangan getah	-13.9	10.5	10.7	-8.7	-5.2	7.1	9.9	-5.3	-12.1	6.5	-3.0	0.3	8.7	11.9	-1.5
22199	Pembuatan produk getah lain yang t.t.t.l.	-1.9	-2.8	4.8	-6.3	-3.9	-3.0	1.4	-4.4	-3.9	-3.2	8.2	-6.1	-2.3	2.6	5.1
222	Pembuatan produk plastik	-1.2	3.2	-2.5	1.7	-1.5	4.1	-0.6	1.5	-2.9	-2.9	2.9	3.7	-0.4	-3.3	-0.6
22201 &	Pembuatan produk plastik separa siap	-1.2	-1.3	-5.7	1.5	-4.3	-1.5	-5.4	6.0	-3.9	0.8	-9.9	7.9	-0.5	-5.2	-5.1
22202	Pembuatan produk plastik siap															
22203	Pembuatan artikel plastik untuk pembungkusan barangan	9.6	9.0	-9.1	-6.1	3.1	9.5	2.7	0.4	4.5	-7.6	23.7	-1.4	0.7	-4.6	2.3
22204	Pembuatan barangan plastik jurubina	9.2	13.0	-10.4	0.8	4.6	-2.6	-4.8	6.8	0.5	-1.2	9.9	1.3	11.0	-5.7	-1.8
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-0.7	2.1	-0.7	-2.0	3.0	5.2	4.7	5.1	-2.0	1.2	2.1	0.4	-0.5	0.7	-3.7
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-10.3	2.8	8.2	9.8	-3.5	5.3	-0.1	-2.6	-8.0	-4.4	1.0	5.3	-2.1	-0.5	2.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-4.7	-0.7	1.2	0.5	-0.9	5.7	-1.5	-3.1	-4.1	-7.8	-0.8	0.6	3.6	-1.2	-0.1

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
1.3	0.3	0.8	0.8	1.4	0.2	-2.0	-1.0	0.8	0.5	-2.1	3.0	-1.1	0.1	-0.1	0.7	2.4	Manufacture of products of wood, cork, straw and plaiting materials
1.0	0.4	0.1	2.4	-0.9	0.6	-2.8	-3.0	3.6	2.3	-2.2	5.2	-0.8	0.3	-2.7	1.9	-1.5	Manufacture of veneer sheets and plywood
5.2	-1.7	1.0	4.5	1.7	1.0	-0.6	0.8	-10.7	0.2	-7.0	-2.1	-1.4	3.2	1.6	3.3	-0.4	Manufacture of particle board and fibreboard
-0.2	-0.9	0.4	-4.6	-0.3	1.4	-0.9	-0.04	3.4	-1.1	0.7	6.4	-2.6	-2.4	4.1	-4.6	13.2	Manufacture of builders' carpentry
0.9	3.6	3.2	-0.4	11.0	-3.1	-2.3	1.9	1.0	-2.2	-1.2	-3.8	0.6	0.2	0.9	2.0	2.6	Other industry
1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	-4.1	-0.8	0.6	-0.6	0.6	2.2	2.2	-1.2	4.0	Manufacture of paper and paper products
2.6	2.0	7.3	-1.3	0.7	-0.2	6.2	-0.7	-4.7	-8.2	-4.1	-1.4	0.3	3.6	7.0	-2.0	1.3	Manufacture of pulp, paper and paperboard
0.3	2.8	0.7	-1.3	-0.03	2.2	-2.0	-0.2	-3.7	-0.9	3.4	-3.9	3.5	1.7	0.6	-1.5	0.2	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.6	4.0	3.0	1.9	1.7	-1.8	-4.1	5.8	-2.9	-0.7	0.2	0.4	14.4	-3.2	1.9	-1.2	2.5	Manufacture of envelopes and letter-card
6.3	3.7	1.5	-3.6	14.6	-1.6	7.6	-5.6	-8.6	2.3	-1.9	5.1	-6.8	4.1	2.6	-3.6	14.7	Manufacture of household and personal hygiene paper
-3.0	0.7	1.7	-0.6	-1.4	-6.3	1.2	-2.7	-1.7	-0.3	1.1	5.0	-3.5	6.2	0.7	1.3	-1.9	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.8	2.1	0.8	-0.1	12.9	-10.2	-2.4	-1.1	-0.5	1.2	-0.7	-2.0	3.5	-1.6	4.4	2.0	8.6	Other industry
0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	0.1	2.4	-0.4	-1.7	-1.5	-4.7	1.5	3.7	5.4	Printing, service activities related to printing and reproduction of recorded media
0.4	-2.6	0.8	3.5	7.9	-6.5	4.2	-0.5	0.6	1.5	-0.2	-2.1	-2.5	-4.6	1.5	4.2	6.2	Printing
2.3	-4.8	1.5	-0.2	3.9	8.4	-2.8	-1.9	-2.3	7.6	-1.7	0.7	4.0	-5.0	1.9	1.4	1.7	Service activities related to printing
																	Reproduction of recorded media
2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	-24.8	-1.9	7.0	-1.9	0.8	6.6	5.2	-3.0	14.9	Manufacture of refined petroleum products
-3.2	-1.6	1.4	0.4	6.3	-4.4	-4.1	4.1	-3.2	-7.1	2.9	2.0	3.6	-1.9	0.8	2.5	6.3	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
0.9	2.2	2.8	-0.1	-0.7	-10.9	-1.7	0.7	-11.4	-0.1	1.6	11.6	-2.1	13.4	-11.3	1.6	4.3	Manufacture of liquefied or compressed inorganic industrial or medical gases
-4.9	-3.3	2.1	1.2	8.7	-15.5	-2.5	2.6	2.4	-14.6	5.2	-2.8	4.4	-4.5	6.9	4.1	7.7	Manufacture of basic organic chemicals
																	Manufacture of inorganic compounds
																	Manufacture of fertilizers
-3.6	-1.4	-0.8	-2.4	0.3	3.0	-7.3	16.0	-11.4	-0.5	-1.2	3.8	11.2	-9.3	-2.7	-3.1	-4.6	Manufacture of associated nitrogen products
-2.4	-0.8	0.3	0.8	6.2	15.9	-5.6	5.4	-7.7	1.6	1.6	5.0	3.2	-1.6	-0.4	1.9	7.6	Manufacture of plastics in primary forms
3.2	2.8	1.0	-6.8	13.3	6.9	-8.9	-5.4	15.5	-17.7	2.3	2.3	-2.3	-1.0	-9.1	6.0	8.6	Other industry
0.9	-1.0	0.2	-1.5	9.7	-4.2	6.4	1.1	-4.6	-7.1	1.9	1.6	1.1	-1.3	0.6	-1.7	10.1	Manufacture of other chemical products and man-made fibres
-12.8	6.4	5.5	-1.9	4.1	0.6	1.2	13.7	-2.1	1.4	1.7	-5.0	3.1	-1.9	9.2	-2.5	3.0	Manufacture of pesticides and other agrochemical products
10.1	-2.6	-1.6	-3.3	8.3	0.7	16.8	-12.4	1.4	-5.3	4.7	-0.1	-3.3	-6.0	-2.7	2.8	8.2	Manufacture of paints, varnishes and similar coatings ink and mastics
-1.0	-2.6	-1.4	-0.2	-0.3	-8.9	2.9	-4.4	5.4	-13.7	1.5	-1.4	-3.9	0.9	-2.6	0.4	13.6	Manufacture of printing ink
1.8	-5.0	-3.1	-2.0	15.6	-11.9	12.6	4.0	-12.2	-1.8	1.9	0.7	1.6	-2.9	0.1	-5.0	17.2	Manufacture of soap and detergents, cleaning and polishing preparations
																	Manufacture of perfumes and toilet preparations
																	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
2.2	2.3	3.0	-0.4	9.3	0.4	-1.3	2.6	-2.8	-14.8	0.6	6.8	2.9	2.5	0.1	-0.8	7.4	Manufacture of writing and drawing ink
																	Manufacture of other chemical products n.e.c.
-24.9	-9.2	-6.5	5.7	-2.8	0.9	5.3	-6.9	3.1	1.5	-1.2	7.4	3.0	-0.04	-6.8	1.9	-4.0	Other industry
3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	8.4	-5.3	0.9	2.2	4.1	-1.6	2.7	-2.5	15.7	Manufacture of pharmaceuticals, medicinal chemical and botanical products
3.8	-1.8	2.6	-3.8	20.8	-16.8	-7.9	1.0	10.3	-6.2	1.9	0.3	3.8	-2.4	4.1	-4.1	18.2	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
4.2	0.3	1.8	-3.1	-1.7	-8.5	0.2	3.8	2.3	-2.3	-2.4	8.6	5.2	0.8	-1.5	2.6	8.2	Other industry
3.2	-3.7	-2.8	-0.7	-3.6	-1.3	-2.1	0.1	-1.1	3.4	6.5	-2.0	4.0	0.5	-2.6	-1.3	-3.4	Manufacture of rubber products
2.6	-3.4	-3.5	0.7	-1.4	0.3	-15.7	-9.8	-7.7	2.4	6.7	-5.1	3.3	-4.6	-4.0	3.8	-1.5	Manufacture of rubber tyres for vehicles
5.0	0.3	0.04	0.7	-1.5	0.1	-5.8	25.6	-3.6	2.1	-0.3	2.8	0.6	-1.4	-0.5	-1.1	0.01	Manufacture of interchangeable tyre treads and retreading rubber tyres
-0.7	2.2	-0.7	-0.8	2.3	-1.4	-9.4	12.4	-1.6	3.0	0.6	1.8	-1.5	4.6	1.2	-1.0	4.4	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
																	Rubber remilling and latex processing
6.2	-6.7	-4.0	-0.3	-6.4	-2.1	3.6	-3.2	0.6	4.6	12.8	-5.4	8.1	1.1	-4.0	-2.7	-8.5	Manufacture of rubber gloves
-1.1	-1.5	-2.0	-2.8	-3.8	-0.3	1.2	-2.8	-1.1	1.4	-4.0	6.0	-1.2	-3.7	-2.4	0.7	1.2	Manufacture of other rubber products n.e.c.
0.6	0.1	0.2	0.8	2.1	-1.9	-2.3	0.8	5.0	0.8	-3.4	1.8	-0.1	-1.2	0.9	1.3	1.6	Manufacture of plastics products
4.9	-0.4	-0.6	1.4	-0.5	-2.0	0.6	-8.7	5.8	1.3	-5.9	-5.2	5.2	0.2	2.4	1.5	2.0	Manufacture of semi-manufactures of plastic products
																	Manufacture of finished plastic products
-12.0	-1.8	-2.1	0.1	4.2	1.5	-6.7	10.5	6.3	0.8	-5.4	7.5	-0.8	-1.5	1.3	0.2	0.8	Manufacture of plastic articles for the packing of goods
-13.2	2.0	1.6	-1.5	11.6	0.6	-9.2	11.1	-3.8	-3.6	0.2	2.2	-13.5	10.9	3.1	-0.4	5.8	Manufacture of builders' plastics ware
5.1	-1.9	0.9	-6.3	3.0	0.8	1.5	3.9	0.5	1.6	1.2	-0.4	6.8	-2.1	2.0	1.8	3.1	Manufacture of plastic tableware, kitchenware and toilet articles
8.3	2.7	2.7	2.3	2.4	-5.0	-2.1	2.0	4.6	0.4	-0.4	4.0	-4.5	-2.3	-1.3	2.1	1.5	Manufacture of diverse plastic products n.e.c.
-0.3	3.4	-2.0	-2.1	5.5	-3.8	-2.3	5.4	2.6	0.9	-0.9	-0.7	-0.8	0.2	-2.9	-0.7	1.3	Manufacture of glass and glass products

Jadual Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.4	2.0	2.1	5.2	-3.0	-0.3	0.5	5.3	-2.9	-4.4	2.3	-0.2	3.5	-0.2	-0.4
23911	Pembuatan mortar refraktori dan konkrit															
23921	Pembuatan seramik bukan refraktori	-7.5	7.1	1.9	3.2	4.5	-1.9	-2.2	5.6	-12.3	-4.1	7.6	-0.7	4.8	2.8	-3.0
23930	Pembuatan produk porselin dan seramik lain	-10.0	-5.0	4.6	0.3	-8.6	6.4	12.8	0.1	8.4	-23.6	-0.4	-0.2	8.7	-1.5	1.0
23941	Pembuatan simen hidrolik	3.6	2.3	-2.7	0.1	-7.7	-9.2	-3.1	-2.8	2.2	-7.0	-0.4	1.4	6.8	-2.5	-1.4
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-5.2	-1.3	2.6	4.2	2.2	-0.2	0.3	7.8	-3.9	-2.2	-0.8	-0.8	0.9	0.7	-0.2
23952	Pembuatan konkrit pratuangan, simen atau artikel batu															
23953	buatan yang digunakan dalam pembinaan;															
23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	-1.6	3.5	3.3	4.3	-5.3	0.5	1.7	3.1	3.1	-5.7	4.2	0.3	4.0	-0.6	2.8
23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.															
	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.0	0.1	3.6	12.0	-4.2	-1.8	1.4	10.3	-9.9	2.3	-0.3	-6.2	10.1	-1.4	-4.9
	Industri lain	-7.8	4.4	-1.9	6.9	-3.0	4.0	-4.4	6.4	-9.7	-2.9	4.7	6.9	-7.2	1.4	-2.4
241																
(24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	5.7	-5.5	-4.5	5.4	5.0	-6.1	-3.5	5.6	-0.3	-3.9	0.6	-3.2	-0.3	-3.7	-3.0
242																
(24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	9.9	-7.9	-4.4	5.0	12.6	-2.4	-3.6	1.8	3.5	2.9	-4.5	-5.6	0.9	-2.7	-1.8
243	Pengacuan logam	-2.3	-3.9	-3.6	5.2	3.4	-6.0	-0.7	0.5	-0.4	-7.9	0.6	-0.5	-2.3	1.3	-5.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.9	-0.9	0.4	1.6	5.6	-4.8	2.6	-0.3	-0.1	-0.8	1.1	-2.3	2.4	-1.9	1.1
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan															
25119	pintu pagar daripada logam	3.6	-1.0	-1.0	-1.9	1.2	-3.7	1.3	0.4	-1.0	-0.4	2.5	-3.6	2.9	-2.2	0.8
25120	Pembuatan produk struktur logam lain															
	Pembuatan tangki, takungan dan kontena daripada logam	-0.7	-0.3	2.5	6.3	12.4	-5.8	4.6	0.1	0.4	-0.5	-1.3	-0.2	2.3	-1.6	2.4
	Industri lain	2.0	-2.7	-0.2	2.6	2.1	-5.9	1.2	-5.0	2.5	-3.6	2.0	-2.5	0.3	-1.2	-1.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.6	-4.2	1.1	7.0	3.7	-0.7	-1.3	2.9	-0.4	1.3	-2.0	-4.0	2.0	-1.9	-0.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-2.2	-3.4	3.1	6.8	-2.4	-1.1	3.9	8.0	-7.3	-2.2	-2.3	-0.4	1.1	-4.4	3.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.9	-3.6	-7.4	2.7	10.3	-1.0	-11.3	8.1	-5.1	2.2	-4.7	-0.7	-0.9	0.3	-0.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.3	-4.8	8.2	12.8	0.0	-1.2	1.6	5.5	-3.2	-1.4	-2.9	-4.2	3.3	-1.2	0.2
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam															
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	5.2	-1.4	1.2	7.6	9.3	-1.9	-2.1	-4.0	-1.4	4.9	-0.8	-5.6	6.0	-1.6	-0.7
25994	Pembuatan barangan rumah daripada logam	0.7	-1.3	6.4	0.9	3.8	-0.9	0.6	0.4	-0.5	-1.0	-0.2	-0.2	-0.7	-0.7	7.4
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	12.3	-8.5	-0.9	5.0	4.3	2.8	-3.0	2.5	11.3	-2.2	-1.3	-7.2	1.3	-1.9	-3.6
	Industri lain	15.9	-0.1	3.7	10.4	-10.5	-6.5	10.1	8.3	-5.7	22.0	-1.9	0.02	-7.0	-1.1	-0.3
261	Pembuatan komponen dan papan elektronik	3.2	-3.4	-7.5	6.6	-2.8	-4.5	-5.6	6.2	-7.8	4.6	-2.7	-2.5	0.05	-1.6	-8.5
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya															
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	2.9	-2.7	-4.3	3.6	-1.4	-5.1	-0.2	5.3	-7.7	3.0	1.1	-2.4	-3.3	0.7	-5.2
26103	Pembuatan kapasitor dan perintang elektrik															
26104	Pembuatan papan litar bercetak	3.6	-5.0	-13.4	13.0	-6.9	-3.7	-16.3	9.4	-8.6	8.1	-10.3	-2.8	7.1	-6.3	-15.4
26105	Pembuatan komponen paparan															
26109	Pembuatan komponen lain untuk aplikasi elektronik	5.3	0.1	-11.5	7.4	7.1	-2.3	-8.4	-0.3	-1.4	0.1	2.0	-1.2	-0.7	1.1	-6.3
262																
(26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-5.1	-0.3	2.9	8.6	-5.8	0.4	14.9	10.1	-13.3	3.1	-8.7	4.8	5.3	-9.9	6.3
263/ 26300	Pembuatan peralatan komunikasi	-0.2	-6.3	-9.9	10.3	0.8	1.7	-5.5	9.3	-1.1	-3.1	0.8	-4.5	-4.5	4.9	-16.1
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.9	-5.5	8.9	6.3	-13.6	-20.2	-19.3	24.1	-0.4	-7.3	7.1	-9.6	2.5	2.4	-1.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-11.6	20.0	3.9	2.4	-0.9	20.0	-5.9	4.8	-22.3	4.0	6.5	4.4	9.2	7.4	-3.9
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan															
26512	Pembuatan kelengkapan kawalan proses perindustrian	-12.6	22.2	3.4	2.8	-1.1	21.5	-6.2	5.2	-23.7	4.7	7.1	5.1	9.9	8.0	-4.9
26520	Pembuatan jam tangan dan jam dan bahagiannya	2.7	-6.6	10.8	-2.9	2.0	-3.1	-0.3	-3.8	-1.5	-4.6	0.03	-4.0	-0.6	-2.4	14.8
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	2.3	1.3	-13.0	2.2	13.8	-2.9	3.5	0.3	-7.7	4.8	-3.0	5.6	-4.5	-1.9	-8.6

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
0.4	3.6	0.3	2.0	2.8	-3.6	-3.5	1.5	-0.2	0.5	-0.6	0.3	-0.04	1.5	2.3	1.4	2.7	Manufacture of non-metallic mineral products
1.9	0.9	-0.1	-2.9	12.5	-4.2	-0.1	6.1	-4.6	-1.1	-1.0	-3.1	2.2	1.4	-1.1	0.6	14.0	Manufacture of refractory mortars and concretes
2.2	0.8	-2.4	0.6	3.5	-12.0	1.6	0.4	-1.3	10.8	-1.0	5.2	5.8	1.5	-3.0	-2.4	5.8	Manufacture of non-refractory ceramic
-4.6	4.1	-4.3	1.2	7.9	1.5	-20.6	-0.3	-2.7	3.6	-2.6	8.8	-16.0	1.1	1.0	-0.3	5.6	Manufacture of other porcelain and ceramic products
0.2	5.4	-1.1	1.1	3.0	0.2	-2.4	3.9	-0.9	-2.1	0.9	-0.5	-0.7	4.3	2.3	1.3	5.7	Manufacture of hydraulic cement
																	Manufacture of ready-mix and dry-mix concrete and mortars
																	Manufacture of precast concrete, cement or artificial stone articles for use in construction
-2.0	3.0	0.5	6.0	-4.4	-1.6	-5.1	2.2	-0.5	2.3	-0.6	1.6	-0.3	-0.2	3.7	2.1	-5.0	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
7.7	4.0	3.6	-0.4	9.4	-9.1	2.1	-5.9	-0.4	2.9	0.3	-5.0	8.2	0.1	4.0	1.9	5.9	Manufacture of other articles of concrete, cement and plaster n.e.c.
0.9	4.7	2.3	-1.5	6.4	-7.7	-0.1	4.3	7.6	-7.4	-3.6	1.4	-3.5	4.9	1.2	1.4	6.3	Manufacture of other non-metallic mineral products n.e.c.
																	Other industry
0.6	1.9	-0.8	0.3	13.5	1.3	-8.1	2.5	-2.7	-2.4	-2.2	-2.8	1.1	2.9	-1.8	1.4	12.7	Manufacture of basic iron and steel
-2.9	2.3	1.1	0.5	8.8	5.0	3.7	-3.4	-0.3	-0.1	-2.8	-0.3	-3.3	2.6	-2.4	-0.1	11.4	Manufacture of basic precious and other non-ferrous metals
2.0	2.9	2.1	-2.1	5.8	3.8	-1.9	-6.4	4.4	-7.8	0.1	0.6	1.8	0.5	1.0	-3.6	2.8	Casting of metals
-0.4	-0.2	-0.9	0.4	7.7	3.6	-4.1	-0.8	-4.7	3.6	-1.5	2.4	1.1	-2.1	0.1	-1.2	4.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-1.1	-1.4	-1.4	-0.5	3.5	4.9	-9.5	2.6	-4.3	4.1	-1.1	0.4	2.5	-4.0	2.6	-1.6	2.4	Manufacture of metal doors, windows and their frames, shutters and gates
-0.2	1.6	-1.2	1.7	15.9	2.8	-0.4	-2.8	-5.7	3.9	-1.9	5.2	-1.5	1.6	-2.2	-1.2	7.9	Manufacture of other structural metal products
2.7	-0.3	2.0	0.2	-0.5	0.2	7.1	-7.2	-3.1	0.4	-1.3	1.0	5.2	-7.1	-2.3	0.5	0.3	Manufacture of tanks, reservoirs and containers of metal
1.8	2.9	1.5	0.2	8.0	-1.1	-0.3	-0.4	-0.6	1.3	-1.6	-2.0	1.2	1.5	-0.6	-0.7	7.7	Other industry
3.4	1.3	0.8	-0.6	13.0	-8.6	-2.1	0.6	-0.1	1.3	-4.9	3.2	4.7	1.5	1.6	-0.2	11.4	Manufacture of other fabricated metal products; metal working service activities
-9.4	-0.3	-0.9	-1.1	24.7	-5.4	2.7	-0.7	0.8	-0.5	-5.5	-1.1	-9.8	-0.5	11.7	-7.5	18.3	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
8.5	5.6	1.5	7.4	-1.4	0.3	-0.3	-4.4	-0.2	4.0	-1.3	2.7	-2.2	0.0	1.8	4.6	4.0	Treatment and coating of metals; machining
0.01	3.2	3.2	-0.6	7.6	2.0	3.0	0.9	-4.4	0.7	1.8	-4.6	1.5	0.6	-5.9	-1.8	7.1	Manufacture of tins and cans for food products, collapsible tubes and boxes
-0.8	0.8	-0.01	-0.5	3.1	1.4	2.5	-3.4	-0.5	3.2	-2.9	2.3	-1.6	1.0	1.5	-1.8	-0.2	Manufacture of metal cable, plaited bands and similar articles
3.9	3.1	1.7	-2.2	4.2	3.7	-2.1	0.3	2.8	1.9	-2.1	-6.1	4.7	3.2	-2.7	0.4	3.8	Manufacture of bolts, screws, nuts and similar threaded products
7.6	6.5	0.3	0.9	7.8	-6.8	-12.4	-1.7	0.2	-2.9	2.5	1.7	7.7	6.5	-0.04	-1.5	7.6	Manufacture of metal household articles
1.6	3.3	-0.4	-0.5	13.5	-9.6	0.3	-3.1	-4.1	2.5	-0.3	-8.1	1.7	3.0	-0.8	0.5	11.8	Manufacture of any other fabricated metal products n.e.c.
2.0	0.9	-0.7	-2.4	14.0	-9.2	1.4	-1.3	-4.6	-1.8	3.3	-4.1	3.2	0.8	-0.4	-0.2	12.8	Other industry
3.0	7.7	-0.3	3.8	12.7	-11.9	-1.2	-7.7	-3.4	12.7	-7.3	-18.4	0.6	9.8	-2.2	2.6	9.5	Manufacture of electronic components and boards
-13.2	9.9	3.9	-2.9	12.2	3.0	-5.2	2.7	-1.4	-1.2	-0.5	2.6	-13.9	-2.7	4.0	-1.2	11.5	Manufacture of diodes, transistors and similar semiconductor devices
-0.2	6.5	-1.4	-0.1	17.6	-13.1	-0.5	-6.1	1.6	3.6	2.7	7.1	2.1	8.5	-0.9	-2.0	18.3	Manufacture of electronic integrated circuits micro assemblies
10.6	-4.0	-0.9	21.1	-8.2	-1.5	3.9	-1.9	-2.4	5.8	1.2	-7.0	-2.3	1.4	-1.2	20.4	-7.9	Manufacture of electrical capacitors and resistors
7.1	8.0	-0.4	-0.3	-1.6	0.5	-14.8	-10.7	-8.8	3.9	-7.0	-22.2	7.5	7.3	14.4	-0.5	4.6	Manufacture of printed circuit boards
-0.5	1.7	-0.8	-0.1	6.9	-12.2	8.1	7.2	1.7	7.5	13.8	-5.4	-15.8	-0.3	8.8	-0.4	8.5	Manufacture of display components
-0.3	1.8	-0.9	0.1	7.5	-13.1	8.7	7.6	2.2	7.5	14.7	-5.8	-16.4	-0.3	9.3	-0.5	9.3	Manufacture of other components for electronic applications
-2.8	0.4	0.4	-3.1	-1.7	4.6	-0.6	0.2	-6.2	6.4	-2.8	1.8	-3.5	0.4	-1.3	0.8	-6.5	Manufacture of computers and peripheral equipment
-3.1	-0.2	-0.3	-1.9	15.3	1.3	4.3	0.4	-4.1	4.1	-9.3	10.7	-4.3	4.7	-0.7	-1.7	1.9	Manufacture of communication equipment
																	Manufacture of consumer electronics
																	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
																	Manufacture of measuring, testing, navigating and control equipment
																	Manufacture of industrial process control equipment
																	Manufacture of watches and clocks and parts
																	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: *Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023						
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	0.6	-2.3	0.7	6.5	5.6	-6.3	-2.2	6.1	-9.7	-2.3	11.3	-8.1	-2.9	5.6	-4.5
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1.8	-7.0	3.1	0.1	2.1	1.9	1.7	-4.1	-1.7	-6.5	2.4	-9.3	4.8	0.3	2.5
27101	Pembuatan motor elektrik, penjana dan transformer	-3.9	2.5	6.1	3.1	-1.2	-2.0	9.4	-2.1	4.8	-12.2	-1.7	3.5	5.1	3.9	-2.4
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.2	-12.3	1.2	-2.0	4.5	4.5	-3.3	-5.5	-5.3	-3.0	4.6	-16.0	4.6	-2.0	5.8
272/ 27200	Pembuatan bateri dan akumulator	4.6	-2.4	7.0	1.4	-0.2	10.5	-1.8	-8.7	-2.7	6.9	-3.1	-6.0	10.2	-8.5	8.0
273	Pembuatan pendawaian dan peranti pendawaian	-5.4	-3.4	1.7	-9.5	-5.3	-5.1	5.2	-1.6	-4.8	-0.7	-5.1	-6.1	6.6	6.7	-4.8
27310	Pembuatan kabel gentian optikal	-16.0	13.9	3.9	-1.6	-10.9	14.6	3.0	1.2	-22.4	1.2	-2.3	3.3	17.1	0.5	-1.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.3	-4.9	1.4	-10.4	-5.4	-7.4	5.7	-1.7	-3.5	-0.8	-5.4	-6.7	5.3	7.5	-5.1
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-11.2	-1.4	4.1	-4.6	13.1	3.1	0.2	-6.1	10.0	-0.2	-2.5	-10.1	17.6	-0.3	-4.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-8.0	-11.2	21.4	4.1	1.9	-4.7	14.9	0.1	-6.3	-3.6	-15.5	-5.3	6.5	6.3	9.8
275/ 27500	Pembuatan perkakasan domestik	5.8	4.2	8.5	-8.2	-1.8	-14.6	4.2	1.2	1.9	4.8	-1.4	-20.1	44.6	-0.3	-1.8
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-10.9	3.3	9.3	-0.3	6.9	3.7	9.4	-6.3	-3.9	-5.4	-10.7	3.8	7.1	-5.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.1	-6.0	0.4	5.0	-0.8	-6.9	2.3	7.5	-4.4	-2.1	-3.6	-2.1	-0.7	-0.9	-0.7
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-10.1	4.4	2.5	6.1	-39.2	-0.4	6.5	19.9	-20.3	-1.5	1.5	2.2	2.5	-0.1	0.1
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-8.5	-0.5	1.8	4.4	-7.1	-5.8	8.7	12.3	-8.9	-4.3	4.3	-3.7	2.3	1.2	-1.5
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-8.4	-18.4	-2.7	4.7	17.9	-15.4	-2.4	9.4	-19.8	5.0	-3.6	-16.8	-1.0	-1.6	-0.4
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	8.9	-5.2	-12.3	0.5	5.3	-3.9	-0.3	6.6	-0.5	0.9	-10.2	2.4	-1.2	0.3	-1.3
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	7.2	-5.7	3.9	6.3	2.2	-5.8	1.3	3.6	6.9	-4.6	-5.8	2.1	-2.4	-2.2	-0.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-8.5	1.3	1.8	3.2	-9.3	-6.8	2.0	6.6	-15.3	0.6	-7.9	5.2	2.0	0.9	-1.2
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	5.1	-4.5	10.8	7.9	-4.2	-3.1	2.4	2.2	4.6	-0.8	-8.7	0.6	2.6	-1.6	1.7
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-1.2	7.0	-5.4	4.0	-2.5	11.8	-4.1	2.2	-8.6	3.1	1.6	3.8	1.7	-0.2	-4.7
301 (30110 & 30120)	Pembinaan kapal dan bot	11.6	-1.3	1.3	8.7	7.9	-1.3	2.1	5.5	2.6	1.7	19.2	-14.9	4.6	-0.5	-2.0
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	3.1	-0.8	-4.4	1.5	2.7	1.3	-3.8	2.6	1.5	2.1	0.9	-0.9	0.5	-4.6	0.01
30910	Pembuatan motosikal	4.1	1.1	-2.2	2.2	1.2	1.6	-3.1	6.2	3.3	3.7	0.9	1.1	-0.4	-4.7	-1.8
30920	Pembuatan basikal dan <i>invalid carriages</i>	-2.3	-5.2	-20.2	-6.7	-2.2	1.8	2.7	-8.8	-6.4	0.7	2.1	-4.4	-1.7	-3.9	-1.2
	Industri lain	3.8	-2.7	-1.2	3.4	8.4	0.4	-7.8	-1.4	1.8	-0.6	0.3	-3.7	3.9	-4.5	5.2
310	Pembuatan perabot	5.5	-4.0	0.7	4.4	0.8	-4.3	0.1	4.2	5.6	-3.3	-0.7	-3.0	2.8	-3.8	0.7
31001	Pembuatan perabot kayu dan rotan	6.5	-2.8	0.6	4.1	1.2	-4.8	-0.8	4.8	7.0	-3.8	-0.7	-3.7	6.1	-3.9	-0.5
	Industri lain	1.3	-9.0	1.5	5.4	-1.2	-2.3	3.9	1.9	-0.1	-0.9	-0.5	-0.4	-10.6	-3.3	6.4
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-2.8	-9.8	1.6	10.3	-1.3	-1.4	-2.5	3.4	-15.4	-5.0	2.9	-2.0	-7.9	-9.0	11.0
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-2.1	0.4	2.8	5.0	-1.4	-0.6	3.8	7.7	-2.8	-1.2	-3.2	-0.9	7.3	-2.4	-0.2
32901	Pembuatan alat tulis	0.4	-2.9	8.1	-4.8	0.1	-2.4	12.0	-0.3	-3.8	5.6	-2.4	-6.0	5.5	-1.4	4.1
	Industri lain	-2.8	1.3	1.4	7.6	-1.7	-0.1	1.9	9.8	-2.5	-2.9	-3.4	0.5	7.8	-2.7	-1.3
323/ 32300	Pembuatan barangan sukan	1.5	-7.2	-10.9	-0.1	0.3	-8.3	-7.2	-1.4	-0.9	5.5	0.2	-8.8	4.6	-9.0	6.3
324/ 32400	Pembuatan permainan dan mainan	-1.8	4.0	0.3	1.8	-18.7	13.5	1.1	-1.3	-12.4	-0.4	6.6	-7.1	8.8	4.3	-9.0
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.8	-0.9	-4.8	4.8	2.1	-0.9	-4.7	4.5	0.3	0.9	-0.3	1.8	-2.4	-3.7	-1.5
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6.2	-5.0	-9.3	25.6	-0.9	-1.7	-22.2	5.6	-4.5	6.0	-4.1	-1.2	-3.2	-2.6	-8.0
	Industri lain	4.4	0.2	-3.6	-0.5	3.0	-0.6	0.7	4.2	1.7	-0.6	0.9	2.6	-2.1	-4.0	0.3
Jumlah Pembuatan		0.8	-1.4	-0.4	4.0	-0.9	-1.3	-0.1	4.1	-4.4	-0.2	0.1	-1.9	1.0	-0.6	-1.5

2024																	Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2.1	3.8	0.4	0.8	6.5	-4.1	3.6	8.4	-10.0	-5.6	4.7	-3.2	-1.8	3.5	0.8	-0.6	11.6	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-1.2	-1.1	-2.1	-2.4	15.2	-2.8	-4.3	-1.5	-1.6	8.5	1.5	0.4	-3.3	-0.5	-3.6	-5.1	14.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
5.0	2.7	0.4	-2.3	2.3	5.5	-11.4	2.1	-7.6	11.9	3.1	2.7	-0.3	3.0	-3.0	-2.5	2.1	Manufacture of electric motors, generators and transformers
-5.0	-3.7	-4.0	-2.4	25.2	-8.1	0.8	-3.9	2.4	6.5	0.5	-1.1	-5.3	-3.1	-4.2	-7.2	23.9	Manufacture of electricity distribution and control apparatus
1.6	2.2	-0.01	-0.4	-1.0	-6.5	13.5	-3.8	3.5	8.9	-2.1	-2.3	-2.0	1.3	-3.4	-5.5	-6.3	Manufacture of batteries and accumulators
1.7	-2.4	-4.1	-5.0	-3.8	0.9	-2.8	-0.4	-12.1	14.8	-1.4	5.4	-3.3	-4.5	5.2	-8.1	9.6	Manufacture of wiring and wiring devices
-0.5	1.7	2.1	-12.0	12.2	-13.5	0.3	-1.3	6.3	9.1	7.0	-1.8	-4.2	1.1	-1.9	1.7	7.9	Manufacture of fibre optic cables
1.8	-2.8	-4.8	-4.4	-5.5	2.2	-3.4	0.1	-14.8	16.2	-2.5	6.6	-3.3	-5.3	6.6	-9.5	10.3	Manufacture of other electronic and electric wires and cables
6.4	-2.4	-3.7	-1.2	-1.4	13.7	6.0	-8.7	6.9	0.1	1.5	0.3	-0.9	-1.4	-3.8	-2.1	0.7	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
7.2	-2.1	-2.6	-3.4	25.3	-8.8	-3.4	0.03	-11.0	10.6	3.5	10.8	-0.6	-4.3	-2.8	0.2	18.2	Manufacture of electric lighting equipment
1.7	-5.4	-5.2	-1.0	1.7	-3.4	0.3	2.0	-23.9	15.8	0.2	-2.8	7.9	-8.3	-0.6	4.9	5.7	Manufacture of domestic appliances
2.1	3.9	4.4	-6.2	17.5	-0.8	-12.8	3.3	4.7	3.1	8.0	-8.1	6.6	4.9	-1.5	4.1	7.9	Manufacture of other electrical equipment
2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	-2.2	-2.0	-0.6	2.2	0.4	2.7	2.4	0.1	8.7	Manufacture of general-purpose and special-purpose machinery
2.6	-0.3	0.3	-5.1	27.0	-45.6	-2.4	-2.7	-1.8	6.5	-0.2	1.2	3.0	3.7	12.8	-5.2	19.6	Manufacture of fluid power equipment
2.3	0.8	-0.9	2.5	6.8	-9.6	1.1	-9.2	-1.5	3.0	-0.8	4.7	-0.02	9.9	1.9	-1.8	14.5	Manufacture of other pumps, compressors, taps and valves
-1.9	1.0	0.8	1.2	9.3	5.8	9.2	-3.8	-15.2	-0.8	0.03	-1.0	-2.4	1.1	1.2	7.3	9.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-17.4	2.4	3.9	-1.7	9.3	5.9	-7.7	-1.7	2.5	-5.3	3.2	-1.4	0.2	2.3	4.1	-0.1	2.5	Manufacture of metal-forming machinery and machine tools
9.6	1.0	1.2	-1.2	6.2	2.6	-4.7	-2.5	0.8	-4.4	-1.5	3.0	1.2	0.2	1.3	-0.3	6.1	Manufacture of air-conditioning machines, including for motor vehicles
3.5	-1.6	0.1	-1.3	11.7	-12.0	-0.6	-10.2	-0.7	2.0	-0.7	-1.5	5.1	-0.04	-1.2	-1.0	20.6	Manufacture of other special-purpose machinery
11.1	4.9	-0.6	-0.3	5.8	-5.1	-0.2	-7.6	2.1	0.2	-0.2	3.0	-0.8	0.2	0.1	1.6	3.4	Other industry
-1.9	0.2	1.0	0.2	9.9	-9.9	2.3	0.2	10.5	1.0	-1.0	-3.6	0.2	-0.8	2.0	-2.1	6.2	Manufacture of motor vehicles
2.0	2.4	0.9	7.6	0.9	2.8	-3.9	14.2	-10.1	2.6	0.8	-1.4	2.0	2.1	1.4	1.1	3.5	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-3.8	3.2	2.5	-3.8	2.4	-0.3	2.6	2.7	-1.0	1.5	-3.9	0.3	-4.7	3.6	1.7	-0.5	1.4	Manufacture of parts and accessories for motor vehicles
2.1	5.0	2.5	-7.4	2.7	0.9	-0.9	5.1	-1.3	1.8	-3.8	-2.2	-0.7	4.9	2.6	-0.6	2.9	Building of ships and boats
-25.2	1.0	-2.9	9.3	0.01	-4.7	0.2	-1.2	0.1	3.7	0.2	16.8	-20.7	2.0	0.0	-0.6	-5.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-6.4	-0.4	4.7	0.3	2.9	-1.2	11.9	-0.9	-0.8	0.2	-5.7	-0.1	-6.7	1.2	0.03	0.03	0.2	Manufacture of motorcycles
0.7	3.5	0.01	0.3	4.5	0.0	-3.1	-0.5	-2.9	2.1	-4.2	0.2	1.5	3.2	-0.1	0.01	5.1	Manufacture of bicycles and invalid carriages
0.8	3.5	-0.4	0.2	5.4	-0.1	-3.3	-0.2	-3.7	2.4	-4.4	-0.9	1.8	3.5	-0.7	0.4	6.6	Other industry
0.4	3.5	2.0	1.0	0.6	0.2	-2.3	-2.0	0.5	0.6	-3.2	5.2	0.2	1.8	2.2	-1.6	-1.3	Manufacture of furniture
-0.8	2.9	1.1	9.4	3.2	-9.1	4.4	1.1	-2.4	-0.1	-3.1	1.1	-1.2	-2.0	3.4	-2.6	10.7	Manufacture of wooden and cane furniture
2.9	1.1	0.6	-0.3	8.5	-6.8	0.8	-0.4	-0.7	0.7	-0.6	3.0	1.0	0.8	2.5	2.5	7.3	Other industry
7.6	-5.7	-3.1	-2.1	3.7	-0.6	-0.01	-2.9	-2.5	2.0	2.7	3.6	8.9	-0.9	-3.3	0.1	2.4	Manufacture of jewellery, bijouterie and related articles
1.6	3.0	1.6	0.2	9.7	-8.2	0.9	0.2	-0.3	0.4	-1.3	2.9	-0.9	1.3	4.1	3.0	8.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-15.9	-5.3	15.1	-5.3	-2.3	5.2	-3.0	2.1	-9.6	5.4	-7.2	6.6	-16.0	1.9	0.2	2.9	4.3	Manufacture of stationery
6.1	0.8	-3.3	-7.3	24.8	-30.4	-0.2	11.9	6.0	-0.3	-0.8	-1.0	3.9	0.7	-6.1	-0.8	11.6	Manufacture of bicycles
-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	1.5	-2.4	-3.0	-1.9	0.2	-0.5	0.9	3.5	4.6	Manufacture of sports goods
1.5	1.3	3.7	18.3	18.2	-19.3	9.3	-3.8	3.4	-6.7	-2.5	-20.0	1.0	1.7	-5.4	9.6	9.9	Manufacture of games and toys
-0.8	-0.1	-0.3	-0.1	0.7	3.5	-1.9	1.4	0.9	-1.1	-3.1	3.6	0.01	-1.0	2.4	2.1	3.3	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4	1.0	0.1	-0.9	-0.1	1.4	0.6	0.2	7.1	Repair and maintenance of transport equipment except motorcycles and bicycles
																	Other industry
0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4	1.0	0.1	-0.9	-0.1	1.4	0.6	0.2	7.1	Total Manufacturing

Jadual **2** : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table **2** : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2024	2023							
					Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Ikan tin Canned fish	Tan Tonne	5,751	5,748	5,959	488	500	572	495	498	497	454	473
Ikan segar sejuk beku Frozen fish	Tan Tonne	15,551	19,660	20,260	1,226	1,337	1,392	1,395	1,465	1,601	1,850	1,803
Bebola ikan Fish ball	Tan Tonne	7,609	7,794	9,448	535	439	546	659	751	750	732	728
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	6,613	7,063	6,701	512	532	606	568	622	723	605	604
Udang geragau/udang sejuk Frozen shrimps/prawns	Tan Tonne	15,676	17,266	21,941	1,454	1,501	1,605	1,543	1,468	1,433	1,211	1,381
Jem (semua jenis) Jams (all types)	Tan Tonne	10,381	11,851	10,335	845	1,051	1,125	758	994	1,129	1,058	1,040
Minyak kelapa mentah Coconut (copra) oil and its fraction crude oil	Tan Tonne	19,293	18,795	21,762	1,764	1,851	1,874	1,694	1,534	1,347	1,452	1,386
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	77,053	73,933	70,881	6,742	4,833	4,578	5,927	6,469	6,385	7,328	6,950
Lemak doh/shortening Dough fats/shortening	Tan Tonne	168,717	158,613	156,647	13,952	14,046	11,907	12,140	11,815	12,823	12,757	13,017
Marjerin Margerine	Tan Tonne	64,079	73,536	86,989	6,420	6,340	5,231	5,455	5,076	6,226	6,424	6,707
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	449,191	481,565	469,606	31,903	39,165	50,943	41,344	40,776	36,215	33,837	33,729
Susu pekat manis Sweetened condensed milk	Tan Tonne	431,843	469,591	479,533	34,290	32,032	33,185	32,398	37,643	44,054	51,633	44,616
Minuman susu Milk drinks	Liter ('000) Litres ('000)	90,600	120,976	128,558	7,392	7,815	7,351	7,559	8,696	10,086	12,117	11,923
Beras Whole rice	Tan Tonne	756,333	683,766	659,091	52,499	75,233	73,227	56,227	58,584	50,174	51,666	50,109
Beras hancur Broken rice	Tan Tonne	83,440	102,686	118,292	7,044	9,205	10,056	8,589	10,643	8,663	9,412	8,246
Tepung gandum Wheat flour	Tan Tonne	1,003,321	1,003,698	866,005	85,194	80,665	77,355	69,774	78,311	77,293	80,987	89,958
Roti dan kek Bread and cakes	Tan Tonne	483,325	599,866	786,730	46,706	57,507	50,801	46,250	49,754	53,949	60,276	50,333
Mee dan bihun Mee and bihun	Tan Tonne	271,986	260,710	255,834	25,519	27,765	24,975	22,304	20,393	18,568	19,258	18,613
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	81,282	93,755	96,621	8,963	8,892	7,094	7,257	5,803	7,115	7,630	8,228
Kelapa kering Desiccated coconuts	Tan Tonne	4,968	4,646	3,738	356	402	456	490	466	434	360	329
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,076,296	2,386,374	2,326,091	204,045	172,901	185,917	199,776	187,501	171,765	198,292	209,858
Hidangan ikan Fish meals	Tan Tonne	131,999	106,406	76,757	10,446	10,098	11,790	13,526	10,074	7,413	7,502	8,099
Biskut Biscuits	Tan Tonne	148,395	124,962	140,238	11,277	12,190	12,653	10,471	10,765	9,412	8,173	8,475
Gula bertapis Refined sugar	Tan Tonne	1,725,619	1,981,898	1,962,043	145,457	154,114	169,973	179,867	167,322	164,979	171,212	156,720
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	255,335	357,856	458,276	23,795	25,078	26,245	28,616	29,377	30,923	31,143	31,421
Minuman manis tidak berkarbonat Sweet beverages (non-carbonated)	Liter ('000) Litres ('000)	2,077,269	2,025,653	1,816,396	178,192	188,186	192,169	192,361	172,234	146,375	150,214	154,858

2024															
Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
462	441	422	446	567	487	615	513	545	525	461	486	484	454	409	414
1,783	2,096	1,800	1,914	1,631	1,412	1,518	1,417	1,506	1,692	1,857	1,780	1,834	2,251	1,653	1,708
725	756	606	567	668	516	694	858	985	922	880	903	908	806	684	625
604	677	509	502	504	398	571	553	639	667	539	569	573	568	570	549
1,401	1,422	1,456	1,391	1,666	1,626	1,996	1,975	2,097	1,947	1,692	1,977	2,011	1,782	1,654	1,518
999	948	941	962	1,044	675	697	773	790	811	764	766	877	931	1,113	1,095
1,524	1,510	1,462	1,397	1,769	1,800	1,980	1,900	1,864	1,624	1,644	1,613	1,842	2,092	2,031	1,603
7,412	7,159	5,080	5,071	5,652	4,005	4,075	5,603	6,454	5,978	6,162	6,158	6,595	7,521	6,951	5,727
13,524	14,566	14,449	13,617	13,488	11,799	10,637	12,821	12,503	13,621	14,137	14,055	13,711	14,901	12,238	12,735
6,490	7,258	6,380	5,529	6,562	7,018	6,092	7,238	6,757	8,366	8,869	9,047	7,954	8,939	5,221	4,926
40,055	43,327	42,980	47,291	46,502	38,326	36,909	39,659	36,209	33,436	28,091	33,354	38,381	48,530	41,440	48,769
45,341	39,115	36,164	39,118	39,248	39,708	41,263	35,134	42,701	46,271	50,471	44,842	39,492	33,951	31,414	35,038
12,666	12,224	12,260	10,887	10,958	9,516	9,001	8,016	9,595	10,596	12,966	12,946	12,543	12,006	10,565	9,850
64,642	52,051	49,452	49,901	47,524	53,086	54,190	58,709	66,017	53,036	54,718	55,985	57,838	50,042	55,063	52,884
8,253	7,252	7,443	7,880	7,803	7,577	8,487	9,915	13,208	10,344	11,366	11,425	11,099	10,209	8,397	8,462
89,306	88,539	96,778	89,540	88,728	90,120	63,457	64,667	74,265	71,244	69,733	70,272	62,554	60,599	78,752	71,614
47,111	46,071	49,337	41,773	46,866	74,165	68,821	63,945	65,334	76,087	81,228	70,878	65,401	63,580	60,186	50,240
20,594	19,775	21,985	20,962	23,469	24,119	20,683	22,280	21,629	19,682	20,981	19,649	21,446	22,440	20,971	18,484
8,359	8,189	8,088	8,136	9,773	9,247	7,351	6,029	6,041	7,195	7,906	8,431	7,652	8,453	8,667	9,875
352	386	332	283	281	285	345	417	346	329	256	253	274	301	329	323
200,231	207,465	216,561	232,064	216,342	175,096	192,375	199,476	179,888	160,106	177,267	181,205	180,448	185,549	219,287	259,052
7,511	6,902	6,865	6,180	6,922	6,888	8,175	8,995	6,261	5,208	4,967	5,248	5,317	4,830	6,970	6,977
8,984	11,140	10,517	10,905	11,728	12,730	12,957	12,534	12,340	11,264	10,018	10,933	11,422	13,883	9,971	10,458
164,787	167,954	159,152	180,360	167,446	155,467	176,536	173,478	144,731	140,421	160,308	146,044	154,790	164,122	187,692	191,007
31,463	31,577	30,400	37,818	38,301	32,522	34,378	36,305	38,079	41,348	40,729	41,411	40,636	40,204	32,469	41,896
155,300	161,386	164,059	170,320	175,017	153,946	164,805	157,307	144,786	132,369	130,896	136,563	134,413	137,242	167,749	181,304

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2024	2023							
					Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Air mineral dan minuman Mineral and drinking water	Liter ('000) Litres ('000)	643,820	709,585	772,679	37,284	52,130	44,817	47,685	60,080	60,220	67,817	69,401
Kain kapas Cotton cloth	Meter ('000) Metres ('000)	61,170	41,668	63,561	3,373	3,278	3,028	3,418	3,430	3,275	2,949	3,245
Seluar lelaki Pants, males	Bilangan ('000) Number ('000)	3,842	2,433	741	328	342	357	360	283	125	101	101
Kemeja lelaki Shirts, males	Bilangan ('000) Number ('000)	14,032	15,444	16,061	1,405	1,247	1,090	1,181	1,305	1,367	1,425	1,294
Blaus Blouses	Bilangan ('000) Number ('000)	4,341	3,297	3,003	295	310	311	338	311	305	292	255
Pakaian perempuan Dresses	Bilangan ('000) Number ('000)	2,353	2,270	2,024	171	182	204	229	196	203	202	204
Kasut getah (semua jenis) Rubber footwear (all types)	Pasang ('000) Pairs ('000)	2,062	1,835	1,366	164	169	175	208	142	133	124	114
Kiln kayu kering Kiln dried timber	Tan Tonne	151,050	138,378	137,514	11,006	11,062	12,827	12,994	10,548	11,362	14,403	12,517
Kayu gergaji Rubberwood (sawn)	Tan Tonne	165,191	122,365	143,775	10,639	12,211	9,268	10,352	9,678	9,024	9,828	9,252
Kepingan venir Veneer sheets	Meter Padu Cubic metre	338,186	284,746	167,337	23,817	27,994	32,305	32,578	28,378	24,596	20,735	21,600
Papan gentian berkepadatan sederhana Medium density fibreboard	Meter Padu Cubic metre	2,143,469	2,622,634	2,813,977	201,203	235,274	200,086	184,479	118,195	119,393	175,173	273,432
Papan lapis Plywood	Meter Padu Cubic metre	3,956,588	4,365,151	5,093,667	233,036	317,336	358,212	315,158	393,850	397,296	380,932	386,102
Ukiran kayu Timber moulding	Meter Padu Cubic metre	45,564	46,997	45,823	3,328	3,286	3,973	4,575	4,493	3,220	3,087	3,923
Kayu balak siap Dressed timber	Meter Padu Cubic metre	7,617	6,343	6,400	852	709	680	784	623	389	310	319
Rak dan beg kertas Sacks and bags of paper	Bilangan ('000) Number ('000)	372,939	331,989	293,085	33,310	32,482	30,427	27,986	26,999	25,885	24,416	26,382
Kertas tisu Tissue paper	Tan Tonne	95,013	85,245	84,748	6,917	6,858	7,042	7,570	7,328	7,444	7,421	7,380
Kertas napkin Napkin paper	Tan Tonne	3,831	2,111	1,310	171	199	260	258	264	229	193	155
Kertas tandas Toilet paper	Tan Tonne	67,708	46,047	38,746	4,000	4,495	4,895	4,494	4,308	4,055	4,302	3,236
Minyak tanah Kerosene	Tan Tonne	3,157,887	3,275,428	3,579,726	274,589	207,240	316,930	305,623	314,510	388,860	192,840	225,382
Gas petroleum cecair Liquefied petroleum gas	Tan Tonne	2,677,740	2,524,079	2,355,651	228,283	226,457	215,490	232,599	258,426	236,276	188,737	209,913
Minyak bahan api Fuel oil	Tan Tonne	1,990,382	1,935,352	2,110,383	183,132	110,218	144,543	132,926	150,716	193,969	153,195	209,673
Minyak diesel/gas Diesel/ gas oil	Tan Tonne	15,412,400	16,187,264	17,053,319	1,424,840	1,543,133	1,772,586	811,203	1,065,404	1,193,439	1,107,947	1,415,154
Gasolin (spirit motor) Gasoline (motor spirit)	Tan Tonne	6,466,006	4,639,314	4,237,629	335,806	396,975	426,631	404,507	527,974	394,997	378,221	444,439
Minyak pelincir campuran Blended lubricating oil	Tan Tonne	144,668	186,354	239,731	12,511	11,557	12,410	12,168	14,624	14,518	14,212	18,958
Nafta Naptha	Tan Tonne	3,258,599	2,974,988	3,342,541	271,062	248,478	218,498	273,287	283,120	380,488	205,252	222,786

2024															
Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
81,544	69,223	64,516	54,870	45,346	52,690	39,526	52,711	65,351	70,556	71,242	74,004	77,360	71,401	84,818	67,672
3,323	3,719	4,604	4,025	4,101	5,339	4,819	5,399	6,234	5,860	5,179	5,391	5,295	6,158	4,984	4,803
124	132	102	79	100	95	131	122	84	33	32	31	33	35	26	20
1,180	1,369	1,349	1,230	1,442	1,269	1,255	1,332	1,427	1,435	1,536	1,327	1,192	1,382	1,291	1,174
241	215	215	208	290	277	299	321	286	254	259	226	205	201	196	190
187	177	167	148	155	151	193	213	178	173	179	175	159	152	157	138
135	179	159	133	120	121	132	135	93	96	84	71	86	119	167	141
13,063	10,158	10,016	8,422	7,802	7,162	11,162	13,634	13,548	14,280	15,513	11,777	12,386	9,145	11,084	10,021
10,871	14,158	9,486	7,598	9,522	10,698	10,113	13,223	14,833	13,290	13,308	11,812	13,976	13,912	10,351	8,737
20,446	21,385	17,294	13,618	16,941	19,245	17,694	19,541	10,733	13,149	10,552	10,169	10,072	10,869	15,675	12,700
249,702	270,590	297,108	297,999	242,756	287,791	250,672	200,194	185,950	147,463	180,044	250,134	221,255	226,067	306,650	315,001
364,623	400,666	417,093	400,847	414,852	461,286	476,305	437,668	409,641	467,737	426,992	413,460	389,753	434,796	380,902	380,275
3,954	4,696	4,575	3,887	3,118	3,343	4,054	4,903	4,787	3,316	3,358	3,401	3,203	3,412	4,857	4,071
362	399	379	537	808	723	699	847	668	385	311	311	335	336	407	570
26,263	25,534	26,713	25,592	26,400	28,551	26,511	25,697	24,506	22,804	22,327	22,692	21,267	21,250	26,777	24,303
6,659	5,981	7,484	7,160	6,954	6,522	6,700	6,865	6,690	7,301	7,459	7,321	7,244	6,497	7,587	7,608
119	91	86	87	95	99	129	119	123	135	135	105	99	92	89	92
2,800	2,804	3,508	3,150	3,094	3,406	3,685	3,181	3,089	3,409	3,682	2,732	2,706	2,704	3,645	3,415
282,831	250,123	258,425	258,076	253,995	190,453	311,056	292,481	411,133	474,660	252,813	274,740	298,937	280,520	265,893	273,046
206,687	192,568	199,499	129,144	136,970	222,607	212,854	223,760	268,505	228,952	212,700	207,382	187,671	168,910	171,732	113,608
195,261	161,661	145,775	154,283	153,465	131,820	176,134	166,257	194,274	218,603	188,277	221,406	214,007	154,872	140,022	151,249
1,485,982	1,374,917	1,531,166	1,461,492	1,312,278	1,419,683	1,607,736	723,593	1,281,299	1,355,676	1,448,086	1,451,313	1,358,727	1,533,032	1,802,183	1,759,715
446,331	390,039	250,727	242,667	215,923	253,667	257,685	242,704	394,924	427,782	484,501	500,883	452,133	458,295	277,304	271,827
18,900	18,920	19,402	18,174	16,928	15,949	17,035	17,188	18,666	20,384	19,797	25,425	24,644	25,017	19,883	18,815
215,250	199,641	295,999	161,127	172,666	242,018	228,330	277,386	360,008	494,869	283,453	277,592	236,990	253,202	332,509	183,517

Jadual **2** : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2024	2023							
					Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Gas asli cecair Liquefied natural gas	Tan Tonne	31,283,443	31,279,579	31,086,985	2,751,277	2,594,258	3,044,181	1,987,056	2,712,791	2,368,951	2,849,003	2,682,100
Nitrogen dan oksigen Nitrogen and oxygen	Meter padu ('000) Cubic metre ('000)	610,924	526,966	455,285	47,260	48,817	54,618	48,975	42,934	44,678	43,201	35,453
Methanol (methyl alcohol) Methanol (methyl alcohol)	Tan Tonne	4,364,885	5,090,653	6,418,393	374,694	407,881	403,658	320,412	388,091	242,304	309,801	482,508
Baja (termasuk urea) Fertilizers (includes urea)	Tonne Tonne	7,584,494	5,906,343	5,369,283	655,340	452,398	398,842	358,670	426,865	475,927	535,863	531,558
Sebatian P.V.C P.V.C. compound	Tan Tonne	71,331	56,303	43,615	5,438	6,038	6,056	5,441	4,584	4,598	4,597	4,590
Racun serangga aerosol Aerosol insecticides (liquid)	Liter Litres	6,083,228	5,163,308	4,240,499	418,120	411,624	384,343	389,137	432,745	500,884	501,603	502,999
Racun herba (cecair) Herbicides (liquid)	Liter ('000) Litres ('000)	97,264	91,732	71,789	8,996	8,614	8,911	8,927	9,612	8,265	6,995	6,864
Racun herba (bukan cecair) Herbicides (non-liquid)	Tonne Tonne	91,308	57,643	27,890	4,845	4,864	5,530	5,460	6,280	6,002	5,108	5,101
Cat emulsi Emulsion paints	Liter ('000) Litres ('000)	58,557	69,896	53,918	6,733	6,803	6,007	4,626	6,415	6,554	6,268	6,259
Cat lapis Under-coats	Liter ('000) Litres ('000)	17,875	13,019	11,461	1,518	1,598	1,430	1,197	1,556	1,600	556	561
Cat asas Primers	Liter ('000) Litres ('000)	18,342	21,342	24,677	1,508	1,799	1,424	1,064	1,287	1,389	1,693	2,144
Dakwat pencetak Printing ink	Tan Tonne	21,967	21,012	25,485	2,266	1,675	1,675	1,619	1,492	1,493	1,483	1,667
Pelembut fabrik Fabric softener	Liter ('000) Litres ('000)	31,289	29,439	31,631	2,594	2,605	2,569	2,158	2,849	2,518	2,216	2,209
Sabun mandi Toilet soap	Tan Tonne	15,469	14,935	16,145	1,380	1,413	1,388	1,026	1,222	1,355	1,344	1,383
Sabun serbuk (bahan pencuci) Soap powder (detergents)	Tan Tonne	97,339	77,816	90,433	6,291	6,243	6,683	5,394	6,896	6,901	6,892	6,956
Pelekat perindustrian Adhesive, industrial	Liter ('000) Litres ('000)	156,135	166,252	168,412	13,228	14,684	12,898	13,911	14,166	15,779	13,588	12,813
Tayar pneumatik (semua jenis) Pneumatic tyres (all types)	Bilangan ('000) Number ('000)	6,775	4,753	4,655	507	514	445	343	349	352	369	333
Tiub dalam (semua jenis) Inner tubes (all types)	Bilangan ('000) Number ('000)	1,124	788	683	93	90	64	52	54	56	61	60
Getah mutu malaysia (semua gred) S.M.R. (all grades)	Tan Tonne	686,810	668,508	676,210	57,754	59,442	48,306	47,401	47,783	48,026	51,364	59,510
Susu getah diproses Processed latex	Tan Tonne	45,852	50,917	52,446	3,275	3,769	3,729	3,849	4,065	4,564	4,814	5,284
Sarung tangan getah Rubber gloves	Pasang (Juta) Pairs (Million)	85,559	66,998	74,126	6,065	5,892	7,374	7,002	6,242	5,406	5,211	5,216
Kondom Condom	Gross ('000) Gross ('000)	18,730	21,118	25,898	1,547	1,454	1,465	1,997	2,020	2,342	1,905	1,579
Paip P.V.C. P.V.C. pipes	Tan Tonne	98,006	123,126	130,202	9,670	11,653	12,461	11,802	9,794	9,643	9,924	8,385
Bata tanah Earthen bricks	Bilangan ('000) Number ('000)	153,283	201,043	192,614	13,700	17,458	13,268	17,142	14,890	13,504	13,481	14,627
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	26,270	24,753	33,136	1,003	1,146	1,859	1,865	2,075	2,079	2,074	2,093

2024															
Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
2,356,975	2,827,151	2,644,124	2,461,711	2,930,110	2,830,335	3,293,275	2,296,557	2,178,371	2,603,478	2,923,077	2,442,018	2,272,124	2,537,713	2,440,526	2,339,400
35,628	38,433	41,554	45,417	45,944	42,849	43,087	42,132	42,601	38,053	36,040	29,069	28,573	31,922	35,826	39,191
473,473	545,943	561,494	580,394	555,053	536,428	518,656	440,918	498,892	459,146	451,584	540,189	548,792	589,565	620,157	659,014
559,863	541,973	522,053	446,989	434,307	471,171	473,629	428,788	394,695	469,067	474,196	464,437	445,117	428,483	488,800	396,593
4,648	3,438	3,390	3,485	3,679	3,749	3,625	3,944	3,546	3,487	3,535	3,706	3,570	3,322	3,503	3,950
452,079	413,442	370,013	386,319	422,415	413,931	377,944	394,043	356,576	337,765	356,507	340,165	318,487	316,504	306,140	300,022
5,013	5,792	6,467	7,276	8,842	8,245	7,945	8,166	7,043	5,113	4,590	3,963	3,113	3,922	5,288	5,559
4,427	3,017	3,178	3,831	2,965	2,962	3,004	3,073	2,309	1,894	1,949	1,582	1,431	1,160	2,597	2,963
5,599	3,797	5,278	5,556	6,195	6,202	5,309	4,222	4,637	3,974	4,033	3,815	3,517	3,110	4,514	4,390
600	638	805	959	1,007	1,063	890	960	1,296	1,202	816	762	828	890	776	970
2,434	2,146	1,965	2,488	1,938	2,116	1,656	1,426	1,833	1,888	2,320	2,482	2,560	2,295	1,799	2,366
1,908	1,859	1,894	1,982	2,556	1,950	2,075	1,974	2,239	1,989	2,011	2,145	2,114	2,246	2,166	2,019
1,623	2,384	2,589	3,124	2,389	2,651	2,703	2,372	2,639	2,789	2,318	2,504	2,209	3,155	3,001	2,902
1,169	877	1,039	1,339	1,348	1,579	1,658	1,271	1,243	1,587	1,378	1,456	1,254	1,020	1,184	1,168
6,060	7,357	5,781	6,363	6,087	6,590	7,342	6,850	7,577	9,048	8,402	8,738	7,711	9,596	6,586	5,905
13,611	14,294	13,385	13,897	13,705	13,425	11,673	13,720	13,890	14,641	13,629	13,993	13,643	15,269	15,471	15,353
337	428	371	405	498	495	459	384	367	378	376	363	338	407	282	309
64	68	64	62	83	71	55	49	47	51	52	59	58	58	49	48
54,635	62,203	63,258	68,825	63,120	60,695	49,422	46,833	51,480	49,567	52,695	61,609	53,938	63,352	59,370	64,129
4,940	4,673	3,643	4,312	4,038	3,907	3,888	3,870	4,291	4,933	5,063	5,645	4,735	4,651	3,425	4,000
4,680	4,591	4,646	4,672	6,083	6,454	7,515	7,423	6,740	5,881	5,791	5,960	5,582	5,594	5,637	5,465
1,790	1,674	1,557	1,786	1,935	1,812	1,788	2,615	2,518	2,793	2,400	1,943	2,181	2,339	1,664	1,912
9,289	9,395	10,848	10,262	10,551	10,997	12,930	11,565	11,718	11,558	11,377	9,029	9,072	9,594	10,956	10,855
15,844	18,276	25,849	23,005	15,569	16,178	13,476	17,896	14,389	12,023	12,377	12,186	12,038	14,259	26,619	25,604
2,445	2,905	2,038	3,171	1,601	1,910	2,501	2,808	3,110	3,055	3,106	2,923	3,221	3,383	2,073	3,445

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2024	2023							
					Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	19,856	23,191	27,188	1,961	2,496	2,704	1,660	1,630	1,698	1,521	1,516
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	37,695	39,836	40,936	3,653	3,144	3,342	3,033	2,810	3,243	3,154	3,463
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	39,761	42,152	40,418	3,645	2,482	3,020	3,460	4,051	3,262	4,481	3,570
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	1,416,140	1,247,529	1,257,134	97,365	99,515	100,767	101,081	105,043	88,870	89,150	96,209
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	153,159	167,623	153,669	11,095	17,083	12,508	9,669	15,069	16,980	12,561	12,492
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	1,011,455	1,090,486	1,064,506	93,671	101,549	90,100	80,637	88,201	88,757	87,806	92,261
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	931,443	1,158,514	1,284,905	91,486	111,535	94,582	86,637	87,237	87,536	86,547	114,618
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	175,928	202,278	191,851	10,307	11,148	12,940	17,541	19,868	15,473	15,976	22,825
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	2,815,239	2,550,785	2,323,567	235,256	255,272	224,148	224,951	182,697	185,229	184,494	205,491
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	3,139	3,474	4,115	211	230	219	209	294	428	382	323
Dawai besi dan keluli Galvanised iron and steel wire	Tan Tonne	151,610	165,843	163,085	11,770	15,512	14,010	13,046	12,395	13,967	15,559	14,304
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000 Sq. metres ('000)	18,630	15,079	16,196	1,212	1,270	1,099	1,294	1,307	1,270	1,308	1,305
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	290,765	252,794	275,660	25,826	28,438	27,362	19,620	19,078	18,084	19,801	17,262
Dawai dan kabel yang tertebat Insulated wires and cables	Tan Tonne	154,579	143,781	106,987	11,524	13,660	15,687	15,909	7,981	9,988	12,037	12,940
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	32,644	35,227	35,958	3,043	3,270	3,392	2,625	2,590	3,071	3,111	3,290
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	55,538	46,515	44,288	4,657	4,663	4,686	4,092	4,287	4,043	3,546	3,553
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	55,168	51,838	39,361	3,885	3,919	4,311	4,881	5,465	5,299	4,475	4,474
Televisyen Television	Bilangan Number	15,977,868	13,583,353	13,798,012	807,858	811,933	997,866	1,031,793	1,482,331	1,490,573	1,186,325	1,294,262
Radio Radios	Bilangan ('000) Number ('000)	10,190	8,255	9,325	709	737	638	637	593	584	671	781
Penyaman udara Air-conditioners	Bilangan Number	3,162,946	3,342,121	3,578,572	251,254	292,175	328,527	304,699	307,501	275,213	279,002	261,798
Kereta penumpang Passenger cars	Bilangan Number	650,217	724,891	739,477	54,663	59,843	71,731	38,575	60,391	54,643	62,558	63,242
Kenderaan perdagangan Commercial vehicles	Bilangan Number	117,019	134,721	102,027	9,283	10,387	9,461	9,393	15,306	12,168	12,266	12,932
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	9,764	10,181	9,452	809	844	865	730	817	991	1,001	860
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	175,222	355,243	403,622	15,992	18,563	21,731	28,591	37,701	33,931	36,810	36,900

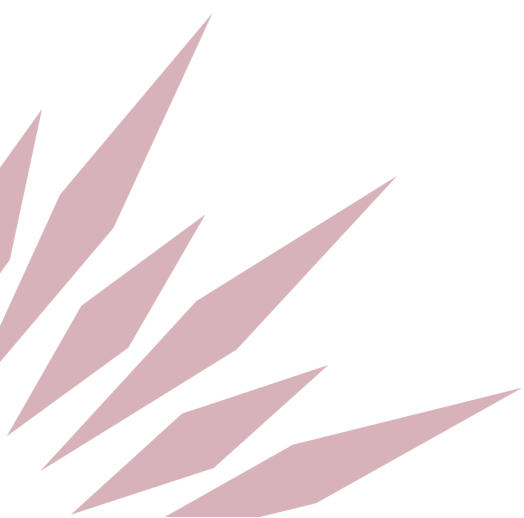
2024															
Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.
1,444	1,617	2,442	2,501	2,461	2,592	2,873	2,044	2,018	1,898	1,880	1,903	1,882	2,011	2,794	2,831
3,607	3,774	2,958	3,655	3,826	3,269	3,576	3,007	2,973	3,316	3,602	3,613	3,584	3,814	2,873	3,486
3,443	4,431	2,759	3,548	4,870	1,965	2,241	3,017	3,689	3,568	4,617	3,750	3,310	3,651	2,535	3,204
115,877	121,091	121,773	110,788	118,429	118,521	99,513	106,085	115,120	96,306	90,639	94,735	110,919	105,497	105,959	95,411
12,607	14,566	18,669	14,324	10,811	16,977	12,523	9,194	15,195	10,038	11,985	11,800	11,582	13,204	17,272	13,090
91,832	91,026	97,099	87,546	95,113	99,878	88,426	83,536	90,110	93,135	90,110	90,625	90,963	82,272	85,170	75,166
96,620	87,911	93,258	120,547	112,228	117,663	99,267	101,810	98,486	100,017	101,974	131,627	108,571	95,023	97,171	121,068
24,544	26,937	13,392	11,327	10,953	11,315	10,570	18,687	19,291	16,433	15,204	20,656	24,909	21,483	11,815	10,534
208,553	213,528	209,323	221,843	231,574	233,684	219,582	224,930	181,767	155,717	163,170	168,485	172,163	172,737	188,879	210,880
290	317	297	275	274	278	282	273	381	501	458	383	351	378	279	277
14,052	13,018	14,030	14,180	12,232	16,162	13,915	12,800	12,250	14,340	14,950	14,305	13,601	11,660	13,029	13,841
1,310	1,220	1,372	1,113	1,305	1,444	1,199	1,431	1,515	1,393	1,474	1,414	1,409	1,289	1,262	1,061
16,671	20,654	20,303	19,694	27,216	27,607	27,270	22,197	22,840	19,556	22,231	19,937	19,495	23,302	22,302	21,706
14,398	10,019	10,721	8,916	9,254	10,778	11,357	13,595	9,969	7,661	9,100	8,651	9,373	6,502	4,827	5,920
3,302	2,572	2,451	2,511	3,050	3,390	3,289	2,496	2,761	3,309	3,415	3,312	3,198	2,574	2,567	2,596
3,523	3,133	3,035	3,296	3,794	3,950	3,837	3,239	4,307	4,091	3,743	3,655	3,542	3,257	3,228	3,644
4,946	3,930	3,109	3,144	3,031	3,145	3,272	3,506	4,872	3,133	3,281	3,415	3,613	3,292	2,410	2,390
1,186,284	1,186,284	1,111,538	996,306	1,000,226	901,036	1,005,501	1,013,545	1,519,004	1,271,186	1,151,505	1,320,396	1,206,082	953,946	1,251,670	1,203,915
643	722	751	788	806	817	699	708	704	677	786	923	757	696	829	923
238,352	248,815	274,825	279,960	276,871	299,728	321,088	311,847	333,088	248,657	306,764	276,400	248,276	287,176	328,044	340,633
65,022	69,475	62,931	61,817	71,666	61,935	63,778	53,857	70,132	46,811	66,010	69,624	51,730	66,906	56,898	60,130
11,208	11,620	11,443	9,254	9,098	8,831	6,239	10,303	11,347	7,918	8,757	7,918	6,710	7,246	9,551	8,108
785	851	834	793	848	847	745	714	794	834	893	799	686	798	769	724
34,494	33,039	27,455	30,036	33,309	30,392	29,122	30,919	42,033	35,122	37,465	35,439	33,747	33,065	31,025	31,984

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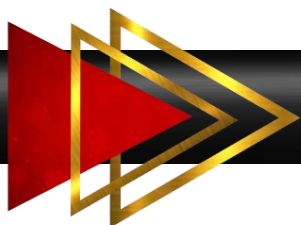


NOTA TEKNIKAL

Technical Notes



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1. OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan statistik aliran terkini bagi indikator utama di sektor Pembuatan, iaitu statistik **nilai jualan, bilangan pekerja bergaji, gaji & upah** serta **pengeluaran produk utama** yang dipungut melalui Survei Pembuatan Bulanan. Statistik ini membantu pengguna dalam merangka dasar serta membuat keputusan.

2. PENANDA ARASAN

Selepas melaksanakan Banci Ekonomi 2016 (tahun rujukan 2015), Jabatan Perangkaan Malaysia (DOSM) telah mengkaji dan melaksanakan proses penanda aras terhadap statistik pembuatan yang dipungut melalui Survei Pembuatan Bulanan. Proses penanda aras ini membolehkan siri nilai anggaran tahunan yang dijana menerusi statistik jangka pendek konsisten dengan nilai tahunan daripada banci/survei tahunan sebagai tahun penanda aras. Penanda aras yang dibuat berpandukan *Quarterly National Accounts Manual 2017 edition, International Monetary Fund* bagi mencapai objektif seperti berikut:

- Menganggarkan data bulanan supaya konsisten dengan data tahunan iaitu, untuk memastikan jumlah data bulanan adalah sama dengan penanda aras tahunan;
- Memelihara sebanyak mungkin pertumbuhan indikator bulanan semasa proses penanda aras tahunan dibuat; dan
- Memastikan data siri ke hadapan, jumlah data bulanan bagi tahun semasa sedekat mungkin dengan data tahunan yang diperoleh semasa banci atau survei tahunan yang dijalankan.

Statistik penanda aras disusun bagi nilai jualan, bilangan pekerja bergaji dan gaji & upah sektor Pembuatan dan diterbitkan mulai Januari 2020. Tahun asas (penanda aras) adalah menggunakan Banci Ekonomi 2016 (tahun rujukan 2015) sebagai tahun penanda aras dan kaedah *pro rata* (1) dan *extrapolation* (2) digunakan dalam pemprosesan penanda aras ini.

Kaedah *pro rata*:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i V} \times ADT \quad (1)$$

di mana;

$M^i V$ = pemboleh ubah anggaran bulanan yang dinaik aras

$M^i I$ = siri indikator bulanan

ADT = data tahunan tahun asas (penanda aras)

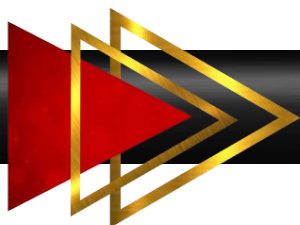
Kaedah *extrapolation*:

$$V_t = V_{t-1} * G_{t-1,t} \quad (2)$$

di mana;

V_t = nilai pemboleh ubah

$G_{t-1,t}$ = pertumbuhan daripada t-1 kepada t



3. SKOP DAN LIPUTAN

Data yang dipungut dalam Survei Pembuatan Bulanan meliputi seluruh Malaysia. Mulai Januari 2020, penerbitan ini memaparkan statistik berwajaran yang menggambarkan populasi sampel bagi 251 industri dalam sektor Pembuatan.

Data bagi industri yang mempunyai perwakilan kurang daripada tiga pertubuhan telah digabungkan kepada industri terhampir bagi memelihara kerahsiaan responden seperti mana yang termaktub dalam Akta Perangkaan 1965 (Disemak - 1989).

4. SUMBER RANGKA

Sumber rangka ialah daripada *Malaysia Statistical Business Register (MSBR)* di mana maklumat utama diperoleh daripada banci dan survei yang dilaksanakan oleh Jabatan Perangkaan Malaysia (DOSM) serta data pentadbiran. Sumber utama data pentadbiran tersebut adalah daripada Suruhanjaya Syarikat Malaysia (SSM). Selain itu, DOSM juga turut bekerjasama mendapatkan maklumat daripada lebih 50 agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri (LHDN), Pihak Berkuasa Tempatan (PBT) serta Badan-badan Profesional. Rangka dikemaskini secara berterusan dengan mengambil kira pertubuhan baru dan merekod sebarang perubahan dalam status pertubuhan seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi atau alamat pos untuk memastikan maklumat yang terdapat dalam rangka adalah yang paling terkini.

5. JENIS AKTIVITI PERNIAGAAN

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana pertubuhan menumpukan sebahagian besar sumbernya atau memberi sumbangan besar dari segi pendapatan. Aktiviti sekunder didefinisikan sebagai aktiviti sampingan kepada aktiviti utama. Klasifikasi bagi pertubuhan adalah berasaskan kepada aktiviti utama dan Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. yang diselaraskan dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

6. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan selari dengan manual *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division*. Takrif pembuatan yang digunakan dalam survei ini adalah selaras dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0.

Pembuatan ditakrifkan sebagai perubahan fizikal atau kimia ke atas bahan atau komponen menjadi produk baru sama ada kerja itu dilakukan oleh jentera yang dijalankan oleh kuasa atau yang dijalankan dengan tangan, sama ada dijalankan dalam kilang atau di rumah pekerja, dan sama ada barang keluaran dijual secara borong atau runcit.

7. REKA BENTUK PENSAMPELAN

Reka bentuk pensampelan bagi survei ini adalah pensampelan rawak strata satu peringkat. Pertubuhan dikelaskan sebagai unit pensampelan manakala beberapa kategori strata telah dikenalpasti.

Setiap strata telah dibentuk kepada tiga substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh. Manakala, substrata selainnya yang bersifat homogen disampelkan.

Substrata utama meliputi pertubuhan kategori besar dan yang mempunyai jumlah hasil yang signifikan dalam industri berkaitan manakala bagi substrata kedua dan ketiga berdasarkan kategori perusahaan kecil dan sederhana (PKS).

8. SAIZ SAMPEL

Statistik utama yang digunakan untuk penganggaran saiz sampel adalah nilai jualan. Formula yang digunakan dalam penganggaran saiz sampel bagi strata adalah seperti berikut:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2} \quad (3)$$

di mana;

n = Saiz sampel

N_i = Saiz populasi bagi strata i

S_i^2 = Varian bagi strata i

V = Varian sasaran

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2 \quad (4)$$

di mana;

$\hat{Y}_i$ = Jumlah nilai jualan bagi strata

RSE = Ralat piawai relatif

Z = Nilai aras keyakinan

Sampel akan diagihkan kepada substrata dalam industri liputan dengan menggunakan kaedah *Neyman Allocation* seperti berikut:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad (5)$$

$h = 2, 3 \text{ dan } 4$

$i = 1, 2, \dots k$

di mana;

n_{hi} = Saiz sampel bagi substrata h dalam strata i

N_h = Saiz populasi bagi substrata h

S_h = Sisihan piawai bagi substrata h

n_i = Saiz sampel bagi strata i

h = Substrata

i = Strata

Pertubuhan kategori substrata utama diliputi sepenuhnya, manakala pertubuhan bagi substrata kedua dan ketiga dipilih secara rawak mengikut kaedah pensampelan bersistematik.

9. WAJARAN

Analisis berwajaran disediakan menggunakan wajaran sampel bagi memastikan sampel yang dipilih dapat menggambarkan populasi survei. Wajaran yang diperlukan adalah wajaran di peringkat reka bentuk pensampelan dan tiada respons.

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut :

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4 \quad (6)$$

di mana;

N_h = Bilangan populasi bagi substrata h ; dan

n_h = Bilangan sampel bagi substrata h

Wajaran tiada respons pada substrata h adalah seperti berikut :

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, \quad h = 1, \dots, 4 \quad (7)$$

di mana;

$$n'_h = \text{Bilangan sampel respons bagi substrata } h$$

$$n_h = \text{Bilangan sampel bagi substrata } h$$

Kaedah pengiraan wajaran reka bentuk pensampelan selepas survei (*adjusted weight*) pada substrata h seperti berikut:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4 \quad (8)$$

di mana;

$$W_h = \text{Wajaran reka bentuk pensampelan pada substrata } h$$

$$NRW_h = \text{Wajaran tiada respons pada substrata } h$$

10. UNIT MELAPOR

Unit melapor bagi survei ini ialah **pertubuhan**. Sesebuah pertubuhan ditakrifkan sebagai "satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat / lokasi fizikal". Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya. Bagi pertubuhan yang menjalankan pelbagai aktiviti, unit yang bergiat dalam aktiviti yang berasingan dalam satu lokasi yang sama adalah terdiri daripada entiti pertubuhan yang berbeza. Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktisnya akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau enterpris ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

11. NILAI JUALAN

Nilai jualan yang dilaporkan merujuk kepada nilai jualan produk sendiri sahaja. Ini bermaksud jualan produk yang berlaku dalam bulan laporan, sama ada produk tersebut telah dibuat/dihasilkan oleh pertubuhan pada bulan tersebut atau bulan-bulan sebelumnya. Nilai jualan adalah berdasarkan kepada nilai bersih di kilang dan berkaitan dengan kuantiti yang dijual. Penilaian harga yang dikenakan kepada pelanggan adalah tidak termasuk:

- a. diskaun atau rebat;
- b. bayaran untuk pengangkutan keluar;
- c. komisen kepada wakil-wakil penjual;
- d. bayaran lain seperti cukai eksais yang dibayar atau cukai jualan yang dipungut oleh kilang bagi pihak kerajaan; dan
- e. bayaran pemasangan, pembaikan dan pembinaan

12. BILANGAN PEKERJA BERGAJI

Bilangan pekerja bergaji meliputi seperti berikut:

- a. Pekerja bergaji (sepenuh masa) - Merujuk kepada semua pekerja bergaji yang bekerja sekurang-kurangnya 6 jam sehari dan sekurang-kurangnya 20 hari sebulan; dan
- b. Pekerja bergaji (sambilan) - Merujuk kepada semua pekerja bergaji yang bekerja kurang daripada 6 jam sehari dan/atau kurang daripada 20 hari sebulan.

13. GAJI & UPAH DIBAYAR

Gaji & upah yang dibayar merujuk kepada semua bayaran tunai, termasuk bonus, komisen, bayaran lebih masa, elaun kos sara hidup dan elaun lain yang dibayar kepada semua pekerja bergaji dalam bulan rujukan. Caruman Kumpulan Wang Simpanan Pekerja (KWSP) serta Pertubuhan Keselamatan Sosial (PERKESO) turut dimasukkan tetapi caruman oleh majikan dikecualikan. Elaun kepada pemilik yang bekerja, rakan niaga yang bekerja dan pekerja keluarga tidak bergaji, bayaran pampasan dan saguhati kerana pemberhentian adalah juga dikecualikan.

14. KEPERLUAN KERAHSIAAN

Survei ini dijalankan di bawah peruntukan Akta Perangkaan 1965 (Disemak 1989). Akta ini mensyaratkan bahawa kandungan penyata individu adalah SULIT. Selaras dengan peruntukan dalam Akta tersebut, hanya angka agregat akan diterbitkan.

15. PINDAAN

Pindaan akan dibuat ke atas statistik yang telah diterbitkan berdasarkan data terkini yang diperoleh.

16. PEMBUNDARAN

Perjumlahan komponen mungkin berbeza dengan angka jumlah besar disebabkan pembundaran.

17. SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:-

t.t.t.l. : tidak terkelas di tempat lain

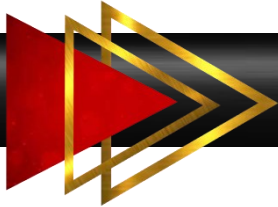
RM : Ringgit Malaysia

18. PELARASAN MUSIM

Data siri masa adalah amat berguna untuk ahli ekonomi, pembuat dasar & keputusan serta penganalisis siri masa untuk mengenal pasti ciri-ciri penting siri ekonomi seperti arah aliran, *turning point* dan konsistensi antara penunjuk ekonomi yang lain. Kadangkala ciri ini sukar untuk diperhatikan kerana pergerakan bermusim. Oleh itu, sekiranya kesan bermusim boleh disingkirkan, arah aliran data siri ini dapat dilihat dengan lebih baik. Anggaran dan penyingkiran kesan bermusim dipanggil pelarasan bermusim.

Pelarasan bermusim adalah satu proses untuk mengenal pasti dan menyingkirkan bentuk pola bermusim yang biasa berlaku dalam tempoh satu tahun, yang mungkin juga merangkumi pengaruh dari kesan cuti yang bergerak dan hari bekerja/berdagang bagi suatu tempoh. Objektif utama proses ini adalah untuk menyerlahkan arah aliran dan pergerakan-pergerakan jangka pendek dalam siri ini.

Di Malaysia, kebanyakan data siri masa dipengaruhi oleh kesan bermusim. Oleh itu, untuk menghapus dan melaras kesan bermusim data siri masa ekonomi Malaysia, pakej standard pelarasan bermusim, X-12 ARIMA telah digunakan oleh Jabatan Perangkaan, Malaysia. Data siri masa ekonomi Malaysia juga kerap dipengaruhi oleh perayaan agama utama seperti Aidil Fitri bagi umat Islam, Tahun Baru Cina untuk kaum Cina dan Deepavali untuk kaum India. Tarikh perayaan-perayaan ini tetap mengikut tahun lunar tetapi berbeza-beza mengikut kalendar Gregorian. Oleh itu, untuk menganggar dan menyingkirkan kesan cuti yang bergerak dari data siri masa, satu prosedur telah dibangunkan iaitu *Seasonal Adjustment For Malaysia (SEAM)*.



1. OBJECTIVE

The main objective of this publication is to provide statistics on the latest trend of main indicators in the Manufacturing sector, ie. **sales value, number of employees, salaries & wages and the production of main products manufactured** which is collected through Monthly Manufacturing Survey. This statistics assists users in policy formulation and decision making.

2. BENCHMARKING

After conducting the Economic Census 2016 (reference year 2015), Department of Statistics Malaysia (DOSM) has reviewed and carried out the benchmarking process towards the manufacturing statistics collected from the Monthly Manufacturing Survey. The benchmarking process is done to enable the series of values of annual estimates derived from short term survey consistent and match with the annual value from census/annual survey of the benchmark year. The benchmark process adapted the guideline of the Quarterly National Accounts Manual 2017 edition, International Monetary Fund to meet the objectives as follows:

- to estimate monthly data that are temporally consistent with the annual data: that is, to ensure that the sum of the monthly data is equal to the annual benchmark;
- to preserve as much as possible the monthly movements in the indicator under the restrictions provided by the annual data; and
- to ensure, for forward series, that the sum of the monthly of the current year is as close as possible to the unknown future annual data.

The benchmarking statistics is compiled on sales value, number of employees and salaries & wages and being published starting from January 2020. The base (benchmark) year using the Economic Census 2016 (reference year 2015) and pro rata (1) and extrapolation method (2) is used in the benchmarking process.

Pro rata Method:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i V} \times ADT \quad (1)$$

where;

$M^i V$ = new derived monthly variables estimates

$M^i I$ = monthly indicator series

ADT = annual benchmark data

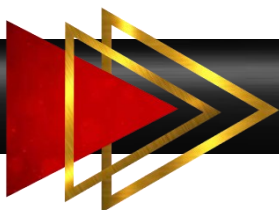
Extrapolation Method:

$$V_t = V_{t-1} * G_{t-1,t} \quad (2)$$

Where;

V_t = value of variable

$G_{t-1,t}$ = growth from t-1 to t



3. SCOPE AND COVERAGE

Data collected in the Monthly Manufacturing Survey covered the whole of Malaysia. Since January 2020, this publication presents weighted statistics which represent the population sample of 251 industries in Manufacturing sector. Data for industries with less than three establishments was combined to the closest industry to ensure the confidentiality of the respondents as stipulated under the Statistics Act 1965 (Revised-1989).

4. SOURCE OF FRAME

The source of frame is from Malaysia Statistical Business Register (MSBR) where the main information is from census and survey conducted by the Department of Statistics Malaysia (DOSM) and administrative data. The main source of the administrative data is from the Companies Commission of Malaysia (CCM). In addition, DOSM also collaborates and yield information from over 50 other agencies such as the Employees Provident Fund (EPF), Royal Malaysian Customs Department (RMCD), Inland Revenue Board (IRB), Local Authorities and other Professional Bodies. The frame is updated continuously by taking into account of new establishments and to record any changes in the establishment status such as closed down, not in operation, change in types of activity and location or postal addresses to ensure that the information in the frame is at the most current status.

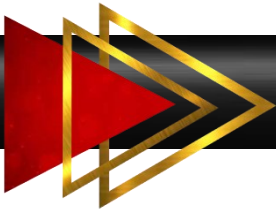
5. TYPE OF BUSINESS ACTIVITY

Type of business activity is divided into primary and secondary. The primary activity refers to the activities which focus on its main resources and income. Secondary activities are defined as those incidental or ancillary to the primary activity. The classification of the establishment's industry is based on the primary activity and the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0 according to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

6. CONCEPT AND DEFINITION

Concepts and definitions used are in line with the manual of Recommendations for Industrial Statistics 2008, United Nations Statistics Division. The definition of manufacturing used in this survey is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

Manufacturing is defined as the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail.



7. SAMPLING DESIGN

Sampling design of the survey is a one-stage stratified random sampling. The establishment is classified as sampling unit while a few categories of stratum was identified.

Each stratum has been set up to three substrata to ensure the distributed sample takes into account the economic characteristics of the stratum. The main substratum is heterogeneous and was fully covered. Whereas, other substratum that are homogeneous were sampled.

Main substratum include large establishments which have a significant total revenue in the respective industry while for the second and third substratum are based on small and medium enterprise (SME) categories.

8. SAMPLE SIZE

The main statistics used to estimate the sample size is the sales value. The formula used in the estimation of the sample size for a stratum is as follows:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2} \quad (3)$$

where;

$$\begin{aligned} n &= \text{Sample size} \\ N_i &= \text{Population size for stratum } i \\ S_i^2 &= \text{Variance for stratum } i \\ V &= \text{Desired variance} \end{aligned}$$

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2 \quad (4)$$

where;

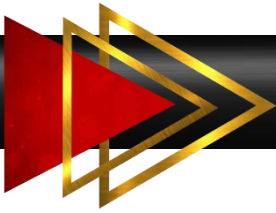
$$\begin{aligned} \hat{Y}_i &= \text{Estimated sales value for stratum} \\ RSE &= \text{Relative standard error} \\ Z &= \text{Value of confidence level} \end{aligned}$$

Sample is distributed to substratum of the industry using Neyman Allocation method as follows:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i' \quad (5)$$

$$h = 2, 3 \text{ and } 4$$

$$i = 1, 2, \dots, k$$



where;

n_{hi} = Sample size for substratum h of stratum i

N_h = Population size for substratum h

S_h = Standard deviation for substratum h

n_i = Sample size for stratum i

h = Substratum

i = Stratum

Establishments of the main substratum were fully covered while establishments of the second and third substratum were randomly selected using systematic random sampling.

9. WEIGHTED

Weighted analysis is done using sampling weight to ensure that the selected sample can reflect population survey. The weights required are the sampling design and non response weights.

The sampling design weight for the establishment at substratum h is as follows:

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4 \quad (6)$$

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h



Non response weight at substratum h as below:

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, \quad h = 1, \dots, 4 \quad (7)$$

where,

n'_h = Number of response in sample size for substratum h

n_h = Number of sample size for substratum h

The method of calculating the sampling design weight after the survey (adjusted weight) on substratum h as below:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4 \quad (8)$$

where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

10. REPORTING UNIT

The reporting unit used in the survey was the **establishment**. An establishment is defined as “an economic unit engaged in one activity, under a single legal entity and operating in a single physical location”. Each establishment was assigned an industry classification based on its principal activity. In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus, each branch of a multi-branch organisation at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However, if in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch. The entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all the units or branches.



11. VALUE OF SALES

The reported sales value refers to the sales value of their own products. This relates to sales of goods made on the reporting month, whether the products were produced/ manufactured by the establishment during the month or in the other months previously. The sales value was net selling price (ex-factory) value relating to the quantity sold. The valuation price charged to customers were excluding:

- a. discounts or rebates;*
- b. Charges for carriage outwards;*
- c. commissions to selling agents;*
- d. all other charges such as excise duties paid, sales tax collected by the factory on behalf of the government; and*
- e. Installation, repairs and construction charges.*

12. NUMBER OF PAID EMPLOYEES

Number of paid employees cover as follows:

- a. Paid employees (full-time) - Refers to those who work for at least 6 hours a day and 20 days a month; and*
- b. Paid employees (part-time) - Refers to all paid workers who work for less than 6 hours a day and/or less than 20 days a month.*

13. SALARIES & WAGES PAID

Salaries & wages paid refers to all cash payments, including bonuses, commissions, overtime wages, cost of living allowances and other allowances made to all employees during the reference month. The employees' contribution to Employees' Provident Fund (EPF) and Social Security Organisation (SOCISO) is included but the employer's contribution is excluded. Allowances to working proprietors, working partners and unpaid family workers and severance and termination pay are not included.

14. CONFIDENTIALITY REQUIRED

The survey is conducted under the provisions of the Statistics Act 1965 (Revised-1989). The Act stipulates that the contents of individual returns are CONFIDENTIAL. In conformity with the stipulations of this Act, only aggregated figures are published.



15. REVISIONS

Revisions will be made to the published figures based on the latest data available.

16. ROUNDING

The sum of the component figures may not tally with the sub-total or total figures due to rounding.

17. SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:-

n.e.c. : not elsewhere classified

RM : Malaysian Ringgit

18. SEASONAL ADJUSTMENT

Time-series data are very useful for economists, policy & decision makers and time-series analysts to identify the important features of economic series such as direction, turning point and consistency between other economic indicators. Sometimes this feature is difficult to observe because of seasonal movements. Thus, if the seasonal effect can be removed, the behaviour of the series would be better viewed. The estimation and removal of the seasonal effects is called seasonal adjustment.

Seasonal adjustment is a process to identify and to remove the regular within-a-year seasonal pattern, which may also include the influences of moving holidays and working/trading days effect in each period. The ultimate objective of the process is to highlight the underlying trends and short-term movements in the series.

In Malaysia, most of the time series data are affected by seasonal effects. Hence, to eliminate the seasonal effect as well as to seasonally adjust the Malaysian economic time series data, a standard seasonal adjustment package, X-12 ARIMA was used by Department of Statistics, Malaysia. Malaysian economic time series data also often affected by major religious festivals such as Eid-ul Fitr for Muslims, Chinese New Year to the Chinese and the Indian Deepavali. These festivals' dates are fixed according to the lunar year but vary according to the Gregorian calendar. Therefore, to estimate and remove moving holiday effect from time-series data, a procedure was developed, namely Seasonal Adjustment for Malaysia (SEAM).