



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN PEMBUATAN BULANAN MONTHLY MANUFACTURING STATISTICS

FEBRUARI 2024
FEBRUARY

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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>.

DOSM akan menjalankan Banci Pertanian pada tahun 2024. Mohon layari <https://www.myagricensus.gov.my> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian".

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

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

DOSM will conduct the Agricultural Census in 2024. Please visit <https://www.myagricensus.gov.my> for more information. The theme is "Agriculture Census, Key to Agricultural Development".

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

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DEPARTMENT OF STATISTICS MALAYSIA

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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.

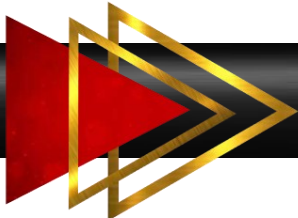
Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat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

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

April 2024





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

April 2024





KALENDAR KELUARAN AWALAN 2024 / ADVANCE RELEASE CALENDAR 2024

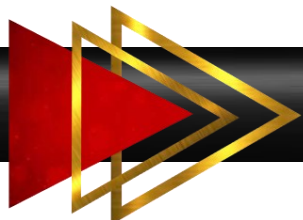
Bulan rujukan / <i>Reference month</i>	Tarikh / <i>Date</i>
Januari 2024 / <i>January 2024</i>	12.03.2024
Februari 2024 / <i>February 2024</i>	08.04.2024
Mac 2024 / <i>March 2024</i>	10.05.2024
April 2024 / <i>April 2024</i>	10.06.2024
Mei 2024 / <i>May 2024</i>	12.07.2024
Jun 2024 / <i>June 2024</i>	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>	11.01.2025
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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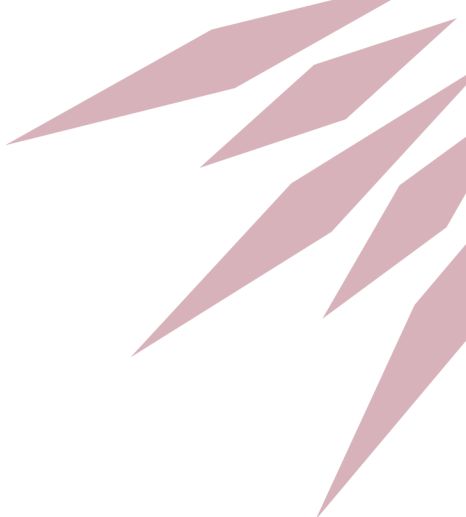
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RINGKASAN PENEMUAN

Summary of Findings



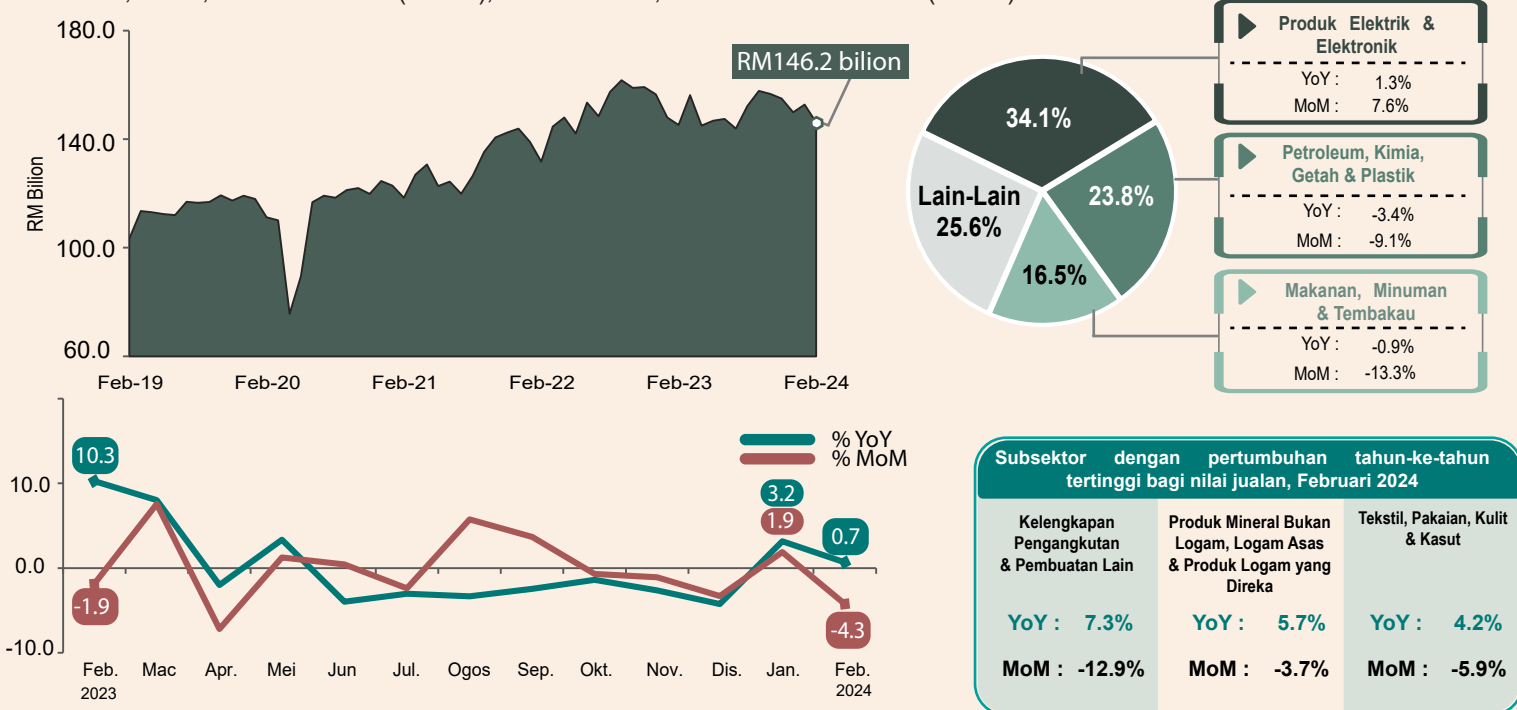
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PERANGKAAN PEMBUATAN FEBRUARI 2024

Nilai Jualan Sektor Pembuatan, Februari 2024

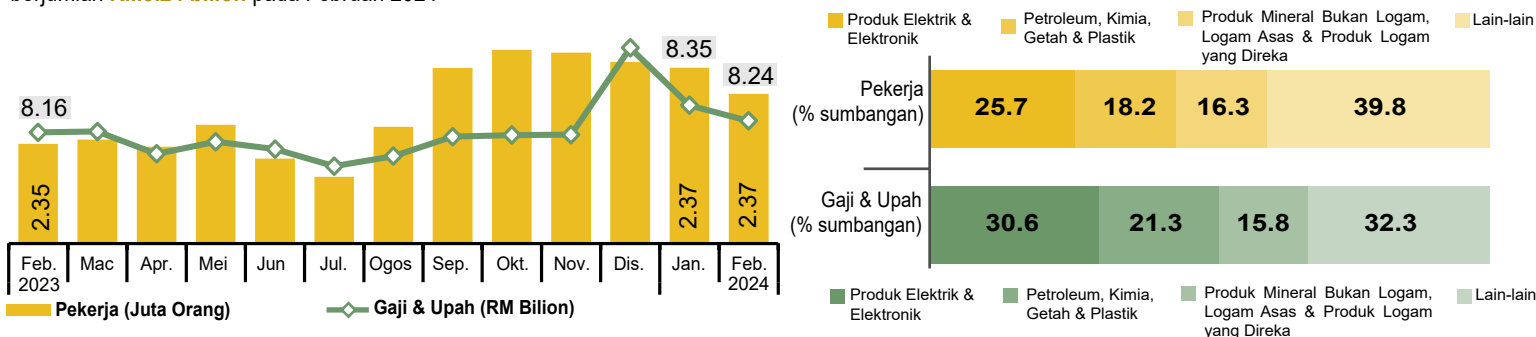
Nilai jualan sektor Pembuatan mencecah **RM146.2 bilion** pada Februari 2024, mencatatkan peningkatan marginal **0.7 peratus**

Lebih dua pertiga daripada nilai jualan Pembuatan disumbangkan oleh subsektor Peralatan Elektrik & Elektronik (34.1%); Petroleum, Kimia, Getah & Plastik (23.8%); dan Makanan, Minuman & Tembakau (16.5%)



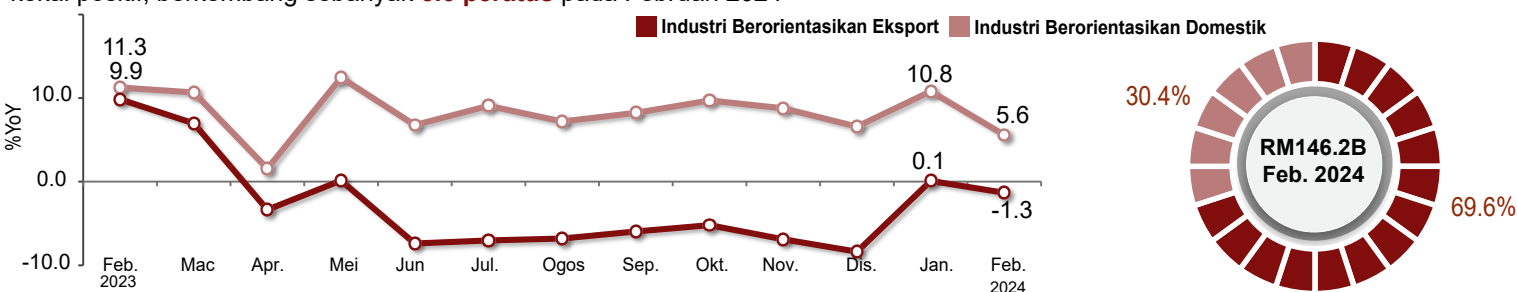
Bilangan Pekerja dan Gaji & Upah, Februari 2024

Sektor Pembuatan melibatkan seramai **2.37 juta orang**, meningkat **0.6 peratus** tahun ke tahun dengan gaji & upah yang dibayar menaik sebanyak **1.0 peratus**, berjumlah **RM8.24 bilion** pada Februari 2024



Industri Berorientasikan Eksport and Domestik

Nilai jualan industri berorientasikan eksport menyusut sebanyak **1.3 peratus** manakala momentum industri berorientasikan domestik kekal positif, berkembang sebanyak **5.6 peratus** pada Februari 2024

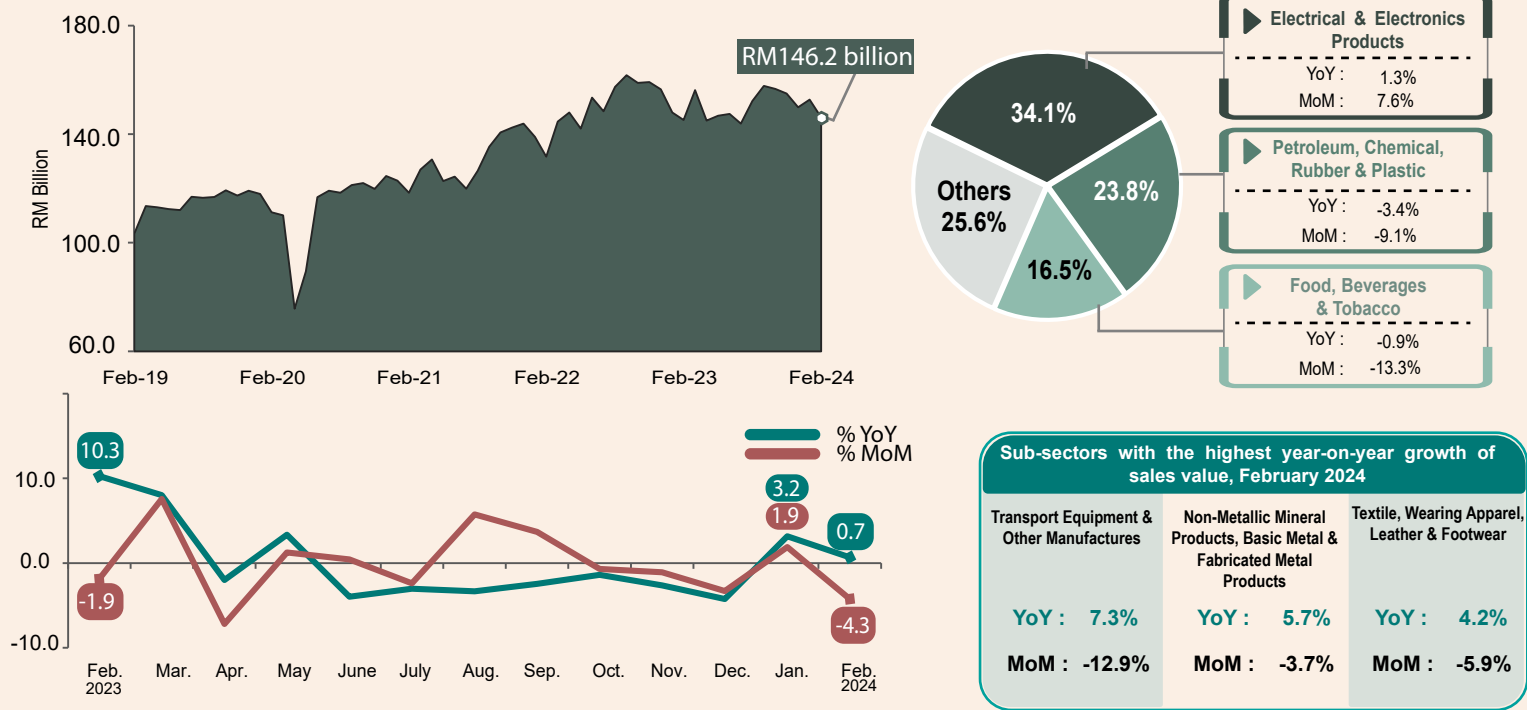


MANUFACTURING STATISTICS FEBRUARY 2024

Sales Value of the Manufacturing Sector, February 2024

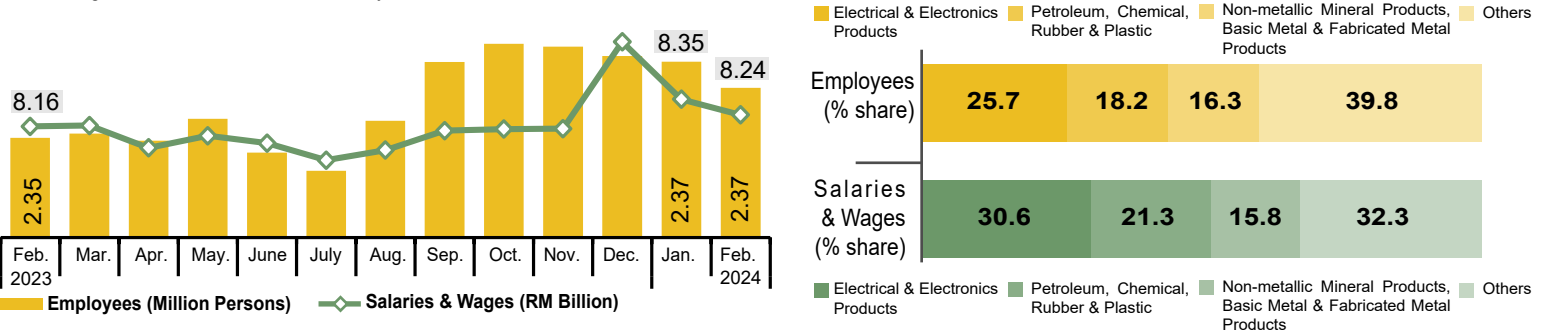
The sales value of the Manufacturing sector reached **RM146.2 billion** in February 2024, registering a marginal increase of **0.7 per cent**

More than two-thirds of Manufacturing sales value was contributed by Electrical & Electronics Products (34.1%); Petroleum, Chemical, Rubber & Plastic (23.8%); and Food, Beverages & Tobacco (16.5%) sub-sectors



Number of Employees and Salaries & Wages, February 2024

The Manufacturing sector engaged **2.37 million persons**, an increase of **0.6 per cent** year-on-year with salaries & wages paid increased by **1.0 per cent**, amounting to **RM8.24 billion** in February 2024



Export and Domestic-oriented Industries

The sales value of export-oriented industries declined by **1.3 per cent** while the momentum for domestic-oriented industries remained positive, expanding by **5.6 per cent** in February 2024

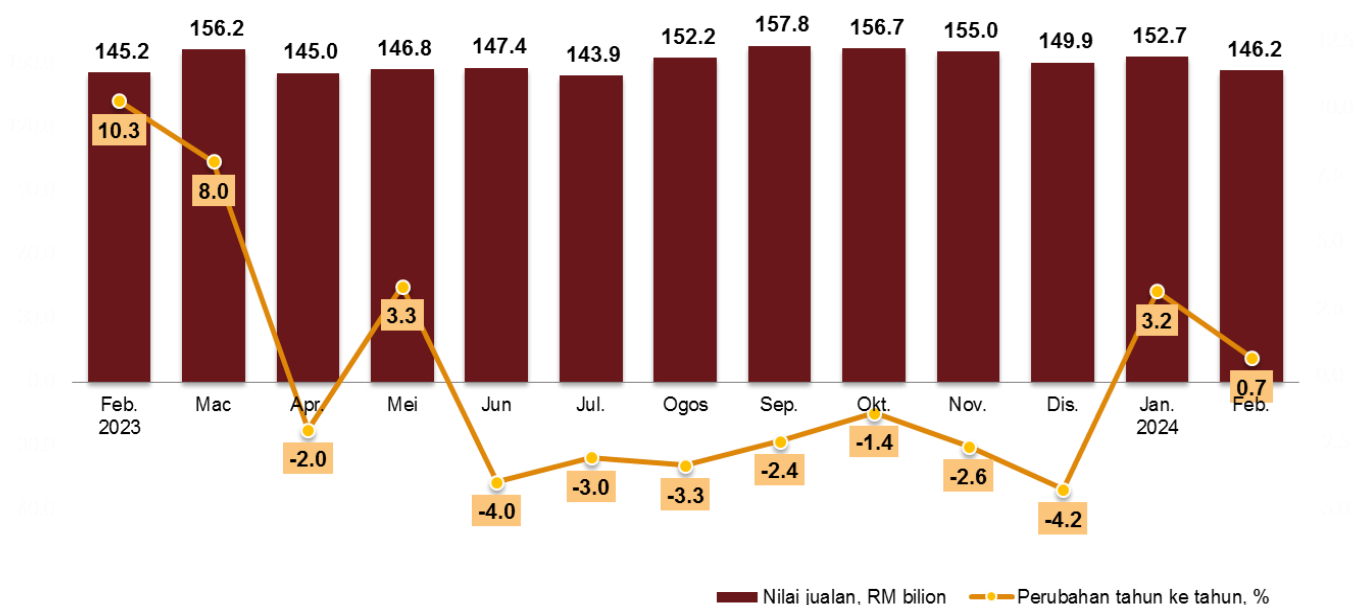


1.0 NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan meningkat secara marginal sebanyak 0.7 peratus kepada RM146.2 bilion pada Februari 2024 berbanding 3.2 peratus yang dicatatkan pada bulan sebelumnya. Berasaskan bulan ke bulan, nilai jualan sektor Pembuatan susut 4.3 peratus berbanding RM152.7 bilion yang dicatatkan pada Januari 2024, yang telah mengalami peningkatan sebanyak 1.9 peratus. Sebaliknya, nilai jualan pelarasan bermusim meningkat 3.6 peratus berbanding bulan sebelumnya.

Kenaikan tersebut disokong oleh pengembangan dalam subsektor Kelengkapan pengangkutan & pembuatan lain pada 7.3 peratus; dan Mineral bukan logam, logam asas & produk logam yang direka (5.7%). Sementara itu, nilai jualan bagi subsektor Peralatan elektrik & elektronik yang menyumbang 34.1 peratus daripada jumlah jualan, menokok sebanyak 1.3 peratus.

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



*** Nota:**

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

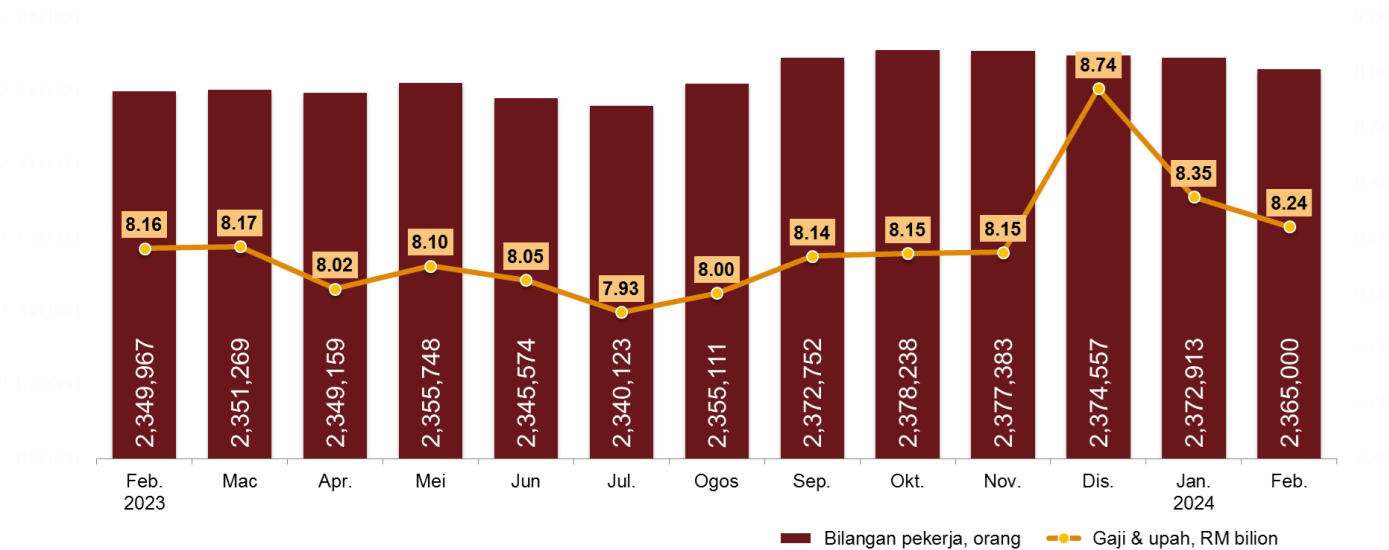
2.0 BILANGAN PEKERJA

Sektor Pembuatan melibatkan seramai 2.37 juta orang pekerja pada Februari 2024, meningkat 0.6 peratus berbanding 2.35 juta orang yang dicatatkan pada Februari 2023. Penambahan itu sebahagian besarnya disumbangkan oleh subsektor Makanan, minuman & tembakau (4.3%); Tekstil, pakaian, kulit & kasut (1.7%); dan Produk mineral bukan logam, logam asas & produk logam yang direka (1.4%). Berbanding dengan Januari 2024, bilangan pekerja dalam sektor ini terus menyusut, mencatatkan penurunan sebanyak 0.3 peratus (Januari 2024: -0.1%).

3.0 GAJI & UPAH

Gaji & upah yang dibayar juga mencatatkan peningkatan sebanyak 1.0 peratus tahun ke tahun, berjumlah RM8.24 bilion pada Februari 2024. Sebaliknya, bayaran gaji & upah susut 1.3 peratus berbanding RM8.35 bilion yang dicatatkan pada bulan sebelumnya.

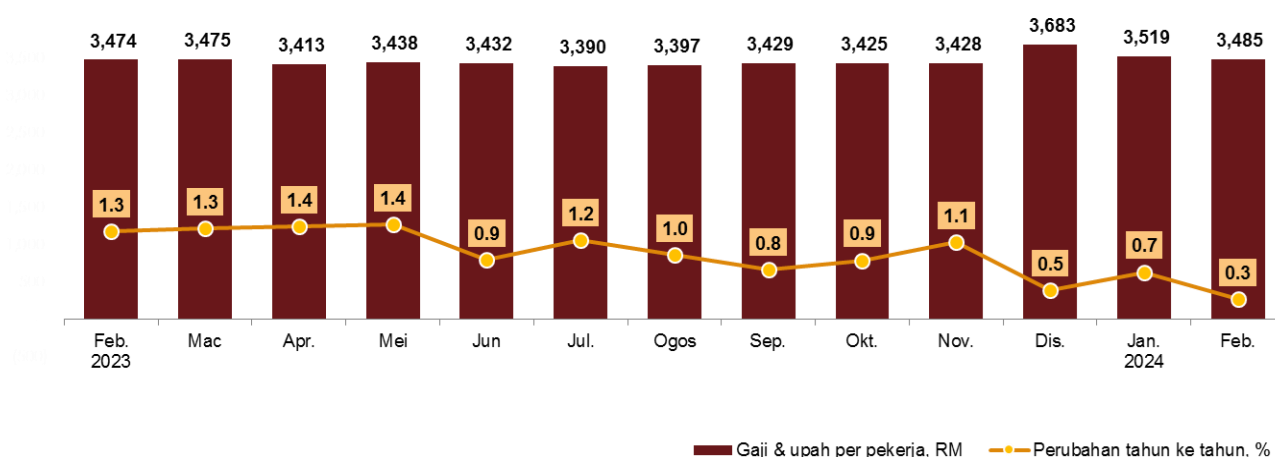
Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan, Februari 2023 - Februari 2024



4.0 PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah bagi setiap pekerja pada Februari 2024 adalah RM3,485 yang meningkat secara marginal sebanyak 0.3 peratus tahun ke tahun (Februari 2023: RM3,474) seperti yang dipaparkan di Carta 3. Sementara itu, purata gaji & upah bagi setiap pekerja berkurang 1.0 peratus berbanding bulan sebelum (Januari 2024: RM3,519).

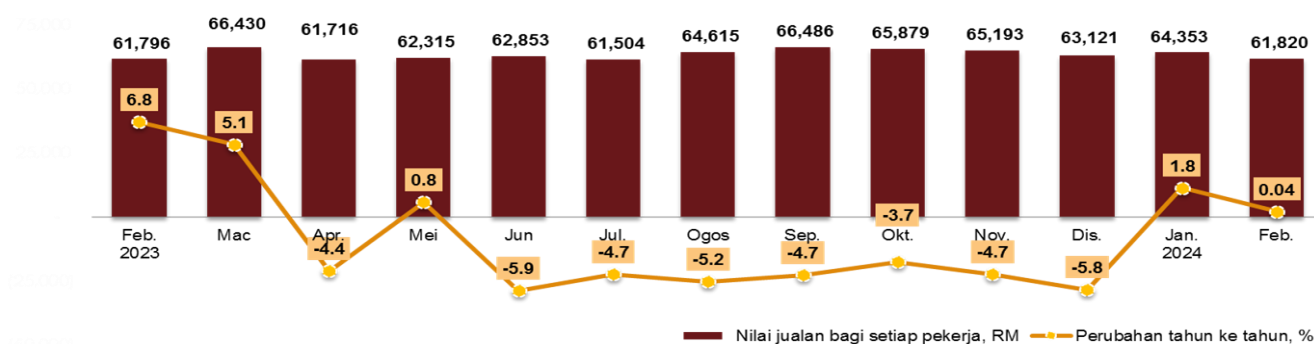
Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan, Februari 2023 - Februari 2024



5.0 NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Februari 2024 meningkat dengan pertumbuhan kecil sebanyak 0.04 peratus untuk merekodkan RM61,820 berbanding RM61,796 pada bulan yang sama tahun sebelumnya (Carta 4). Sebaliknya, purata nilai jualan bagi setiap pekerja susut 3.9 peratus berbanding Januari 2024.

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



6.0 PRESTASI BAGI TEMPOH JANUARI - FEBRUARI 2024

Merumuskan prestasi sektor Pembuatan sehingga Februari 2024, nilai jualan sektor Pembuatan mencapai RM298.9 bilion, meningkat sebanyak 1.9 peratus berbanding dua bulan pertama tahun 2023 (Januari - Februari 2023: 8.3%). Pada tempoh tersebut, bilangan pekerja bertambah 0.6 peratus dengan merekodkan seramai 2.37 juta orang manakala gaji & upah meningkat sebanyak 1.5 peratus kepada RM16.6 bilion.

Sementara itu, nilai jualan per pekerja mencatatkan kenaikan 1.3 peratus, berjumlah RM126,389. Butiran terperinci seperti ditunjukkan di Jadual A.

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

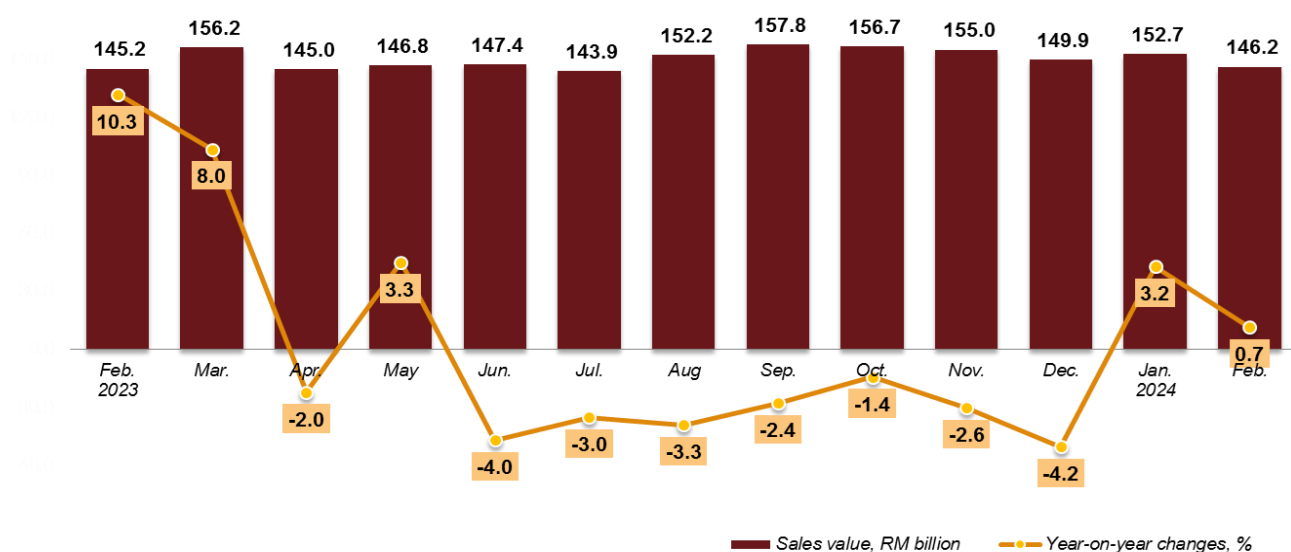
Perangkaan Pembuatan Bulanan	Januari - Februari		% Perubahan
	2023	2024	
Nilai Jualan (RM juta)	293,229.3	298,909.1	1.9
Bilangan Pekerja	2,349,967	2,365,000	0.6
Gaji & Upah (RM juta)	16,346.8	16,592.9	1.5
Nilai Jualan Per Pekerja (RM)	124,780	126,389	1.3

1.0 SALES VALUE OF THE MANUFACTURING SECTOR

The sales value of the Manufacturing sector increased marginally by 0.7 per cent to RM146.2 billion in February 2024 as against 3.2 per cent registered in the previous month. On a month-on-month basis, the sales value of the Manufacturing sector declined by 4.3 per cent as against RM152.7 billion recorded in January 2024, which experienced an uptick of 1.9 per cent. Conversely, the seasonally adjusted sales value increased by 3.6 per cent as compared to the preceding month.

The increase was supported by an expansion in the Transport equipment & other manufactures at 7.3 per cent; and the Non-metallic mineral products, basic metal & fabricated metal products (5.7%) sub-sectors. Meanwhile, the sales value of the Electrical & electronics products sub-sector, which accounted for 34.1 per cent of the total sales grew by 1.3 per cent.

Chart 1: Sales Value of the Manufacturing Sector, February 2023 – February 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 February 2024 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the March 2024 publication.

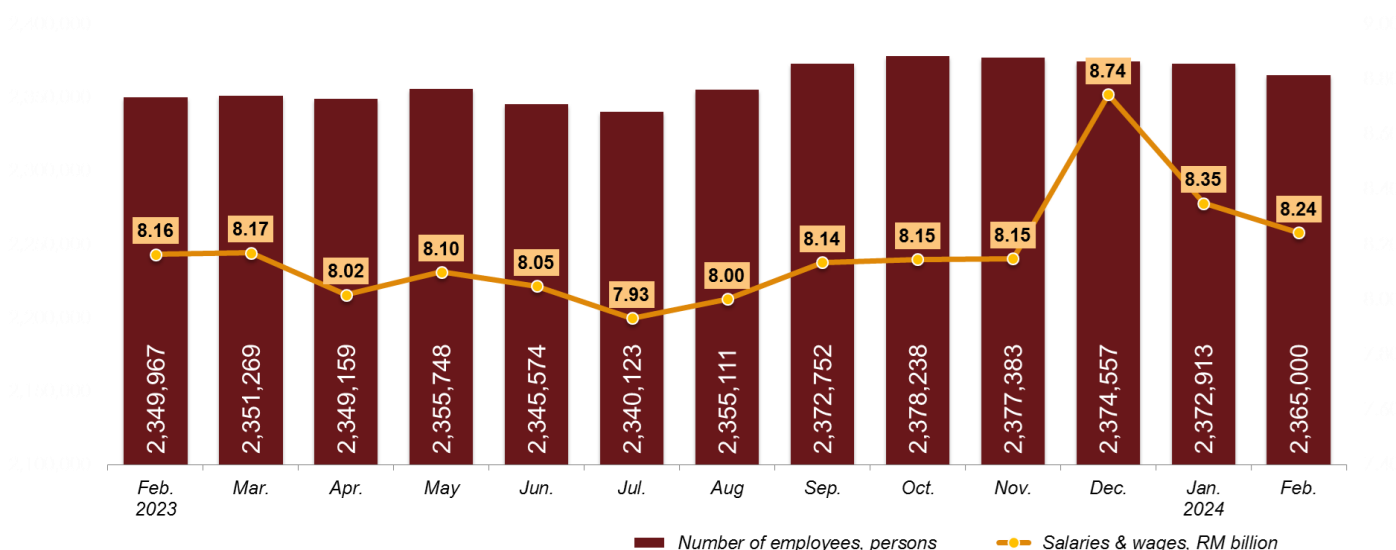
2.0 NUMBER OF EMPLOYEES

The Manufacturing sector engaged 2.37 million employees in February 2024, an increase of 0.6 per cent as compared to the 2.35 million persons registered in February 2023. The addition was mainly contributed by the Food, beverages & tobacco (4.3%); Textile, wearing apparel, leather & footwear (1.7%); and Non-metallic mineral products, basic metal & fabricated metal products (1.4%) sub-sectors. In comparison to January 2024, the number of employees in this sector continued to decline, registering a drop of 0.3 per cent (January 2024: -0.1%).

3.0 SALARIES & WAGES

The salaries & wages paid in the Manufacturing sector also posted an increase of 1.0 per cent year-on-year, amounting to RM8.2 billion in February 2024. On the other hand, the salaries & wages paid declined by 1.3 per cent as against RM8.4 billion registered in the preceding month.

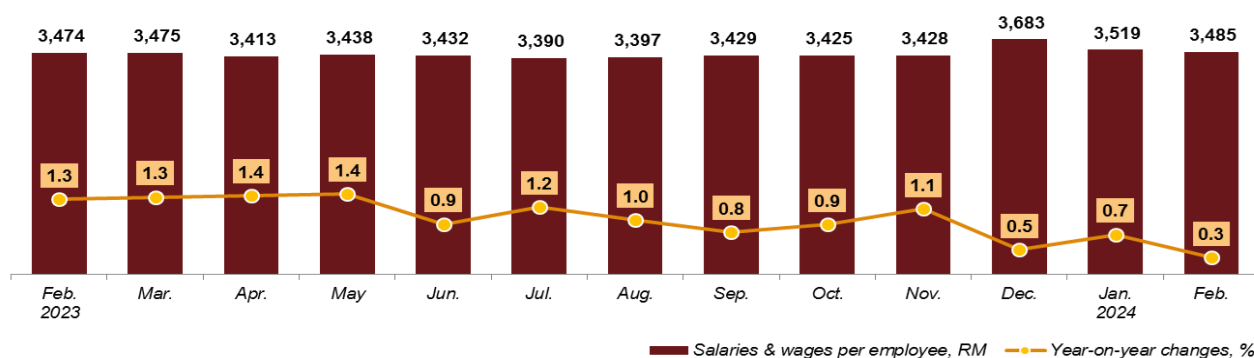
Chart 2: Number of Employees and Salaries & Wages in Manufacturing Sector, February 2023 – February 2024



4.0 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in February 2024 was RM3,485 which increased marginally by 0.3 per cent year-on-year (February 2023: RM3,474) as depicted in Chart 3. Meanwhile, average salaries & wages paid per employee decreased by 1.0 per cent as compared to the preceding month (January 2024: RM3,519).

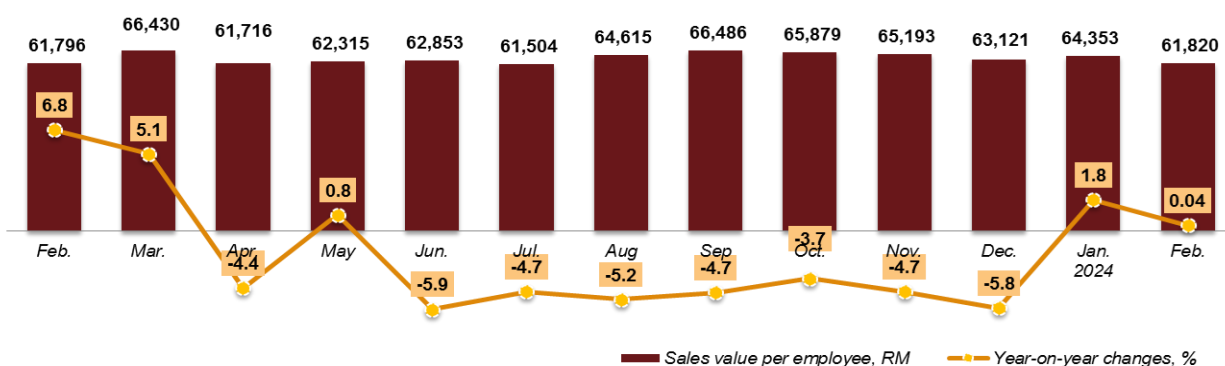
**Chart 3: Salaries & Wages per Employee in Manufacturing Sector,
February 2023 – February 2024**



5.0 SALES VALUE PER EMPLOYEE

The sales value per employee in February 2024 rose slightly by 0.04 per cent to record RM61,820 as compared to RM61,796 in the same month of the previous year (Chart 4). On the other hand, the average sales value per employee declined 3.9 per cent as compared to January 2024.

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



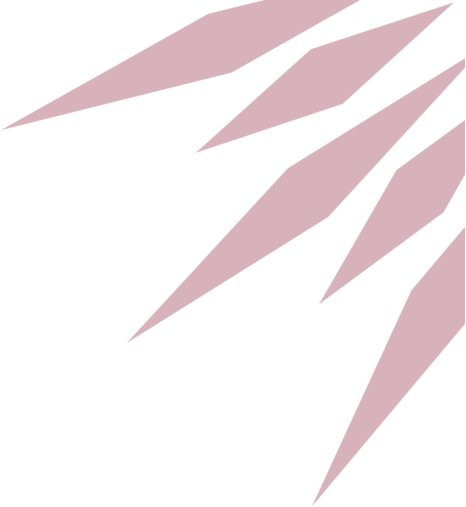
6.0 PERFORMANCE IN THE PERIOD JANUARY - FEBRUARY 2024

Summarising the Manufacturing sector performance up to February 2024, the sales value of the Manufacturing sector achieved RM298.9 billion, increased by 1.9 per cent as against the first two months of 2023 (January – February 2023: 8.3%). During the period, the number of employees increased by 0.6 per cent to record a total of 2.37 million persons while salaries & wages grew by 1.5 per cent to RM16.6 billion.

Moreover, the sales value per employee registered an increase of 1.3 per cent, amounting to RM126,389. The details as per shown in Table A.

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

Monthly Manufacturing Statistics	January - February		% Change
	2023	2024	
Sales Value (RM million)	293,229.3	298,909.1	1.9
Number of Employees	2,349,967	2,365,000	0.6
Salaries & Wages (RM million)	16,346.8	16,592.9	1.5
Sales Value per Employee (RM)	124,780	126,389	1.3



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
2021		1,554,738	15.5			2,259,619	2.7			89,830	3.0		
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		
2022	Q1	415,298	12.8			2,287,325	2.4			23,513	4.1		
	Q2	443,489	17.4			2,297,905	3.7			23,318	5.2		
	Q3	467,562	22.5			2,316,961	3.8			23,364	6.7		
	Q4	474,582	11.1			2,335,435	3.4			24,332	5.0		
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		
2023	(Jan. - Feb.)	293,229	8.3			2,349,967	3.3			16,347	4.3		
2024	(Jan. - Feb.)	298,909	1.9			2,365,000	0.6			16,593	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.	146,205	0.7	155,229	3.6	2,365,000	0.6	2,351,807	-0.2	8,243	1.0	8,137	-0.2

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

Subsektor Sub-sector	2022	2023	2022				2023			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	320,222	309,508	68,843	85,782	82,569	83,028	73,072	74,851	78,190	
10 Pembuatan produk makanan Manufacture of food products	304,095	292,444	64,627	81,963	78,651	78,854	68,673	70,724	74,099	
11 Pembuatan minuman Manufacture of beverages	12,717	13,055	3,198	3,034	3,237	3,248	3,204	3,131	3,284	
12 Pembuatan produk tembakau Manufacture of tobacco products	3,410	4,010	1,018	785	681	926	1,196	996	807	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	23,642	24,153	6,095	5,679	5,699	6,169	6,152	5,888	5,842	
13 Pembuatan tekstil Manufacture of textiles	11,652	11,404	2,959	2,900	2,845	2,947	2,897	2,866	2,770	
14 Pembuatan pakaian Manufacture of wearing apparel	9,352	9,873	2,456	2,211	2,224	2,462	2,533	2,374	2,391	
15 Pembuatan produk kulit dan barangan bfrkaitan Manufacture of leather and related products	2,638	2,876	680	568	630	760	723	649	681	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	84,965	86,146	23,179	19,246	19,955	22,585	23,605	19,571	19,863	
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	7,805	5,092	5,771	7,227	7,502	4,976	5,353	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	28,260	29,883	6,810	7,041	7,246	7,163	7,561	7,377	7,381	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	13,709	14,526	3,547	3,273	3,216	3,673	3,812	3,452	3,457	
31 Pembuatan perabot Manufacture of furniture	17,101	17,130	5,017	3,840	3,722	4,522	4,729	3,766	3,671	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	499,207	469,010	108,256	124,184	137,924	128,843	116,905	118,176	119,555	
19 Pembuatan kok dan produk petroleum bfrtapis Manufacture of coke and refined petroleum products	249,901	224,749	45,669	60,286	75,616	68,330	55,680	56,542	58,478	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	111,585	112,375	29,024	26,612	27,982	27,967	29,632	26,787	28,168	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	10,181	10,708	2,412	2,501	2,695	2,573	2,702	2,629	2,714	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	127,540	121,177	31,151	34,784	31,632	29,973	28,891	32,218	30,195	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal	168,044	179,468	44,454	39,918	39,328	44,345	47,150	42,407	42,162	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	49,285	52,777	13,189	11,820	11,699	12,577	14,105	12,626	12,585	
24 Pembuatan logam asas Manufacture of basic metals	54,209	56,455	14,558	11,987	12,496	15,168	15,284	12,417	12,844	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	64,550	70,235	16,707	16,111	15,133	16,600	17,762	17,365	16,733	
6. Produk elektrik dan elektronik Electrical and electronic products	581,527	598,972	135,344	139,578	152,431	154,174	149,095	147,221	154,914	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	479,757	496,238	112,206	114,312	125,955	127,284	124,697	121,532	128,717	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	56,049	57,863	12,827	13,461	14,995	14,766	13,583	14,155	15,645	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	45,720	44,872	10,312	11,805	11,481	12,123	10,815	11,534	10,552	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	123,324	136,778	29,128	29,103	29,656	35,437	33,444	31,093	33,331	
29 Pembuatan kenderaan bfrmotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	89,220	101,255	20,785	20,710	21,536	26,188	24,643	22,206	24,909	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	15,690	16,045	3,833	3,742	3,651	4,464	4,077	3,946	3,633	
32 Pembuatan lain Other manufacturing	12,668	13,315	2,993	3,406	3,174	3,095	3,095	3,555	3,356	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	5,746	6,163	1,517	1,244	1,295	1,689	1,629	1,386	1,433	
Pembuatan Manufacturing	Jumlah Total	1,800,930	1,804,035	415,298	443,489	467,562	474,582	449,424	439,208	453,856

(RM Juta/Million)																
2023		2024	2023		2024											
Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
83,395	49,184	51,798	24,911	24,273	23,888	24,399	25,494	24,959	24,379	25,890	27,921	28,425	27,792	27,178	27,744	24,053
78,948	46,351	48,816	23,470	22,881	22,322	22,922	24,070	23,733	23,056	24,481	26,563	26,844	26,336	25,768	26,219	22,596
3,436	2,090	2,165	1,047	1,043	1,114	1,118	1,049	964	1,065	1,124	1,095	1,231	1,117	1,089	1,115	1,050
1,010	743	817	394	349	452	359	376	262	258	286	263	350	338	322	410	407
6,271	4,086	4,336	2,068	2,018	2,066	1,966	1,997	1,926	1,944	1,951	1,947	2,037	2,149	2,085	2,234	2,102
2,872	1,921	2,088	984	938	975	945	969	952	925	941	905	937	968	966	1,071	1,018
2,576	1,687	1,734	840	847	846	798	806	770	810	781	799	832	893	851	899	835
823	478	514	245	233	245	223	221	204	209	229	243	268	288	268	264	250
23,108	15,463	15,972	7,747	7,716	8,142	7,112	6,592	5,867	5,958	6,734	7,171	7,554	7,831	7,722	8,176	7,796
6,776	4,895	4,772	2,480	2,415	2,607	2,027	1,611	1,338	1,352	1,924	2,077	2,311	2,261	2,204	2,482	2,290
7,564	4,922	5,116	2,418	2,505	2,639	2,584	2,437	2,356	2,354	2,495	2,533	2,531	2,534	2,499	2,579	2,537
3,804	2,546	2,638	1,262	1,284	1,266	1,189	1,132	1,131	1,143	1,148	1,165	1,151	1,341	1,312	1,321	1,316
4,964	3,099	3,446	1,587	1,512	1,630	1,312	1,411	1,042	1,109	1,166	1,396	1,561	1,696	1,707	1,794	1,652
114,375	77,473	72,966	41,517	35,956	39,432	38,663	40,314	39,198	38,930	40,885	39,739	40,065	38,765	35,545	38,231	34,736
54,050	38,401	32,380	21,738	16,662	17,279	18,063	19,413	19,065	18,598	20,301	19,579	19,927	18,597	15,525	17,176	15,204
27,788	19,429	19,701	9,802	9,627	10,203	8,726	9,101	8,960	9,069	9,840	9,258	9,079	9,298	9,412	10,322	9,379
2,663	1,760	1,847	875	885	942	898	821	910	885	905	925	933	871	859	904	942
29,873	17,883	19,038	9,101	8,782	11,008	10,976	10,979	10,263	10,378	9,840	9,977	10,126	9,998	9,749	9,828	9,211
47,748	31,147	33,525	15,584	15,563	16,003	15,047	13,943	13,417	13,038	14,005	15,119	15,176	15,999	16,572	17,081	16,443
13,461	9,262	10,010	4,587	4,675	4,843	4,381	4,131	4,114	4,137	4,233	4,214	4,113	4,614	4,734	5,140	4,869
15,910	9,991	10,343	4,942	5,048	5,293	4,737	4,081	3,599	3,384	4,179	5,281	5,273	5,373	5,264	5,140	5,203
18,376	11,895	13,172	6,055	5,840	5,867	5,930	5,731	5,704	5,518	5,592	5,623	5,790	6,013	6,574	6,801	6,371
147,743	94,229	96,135	45,026	49,203	54,866	47,937	47,443	51,840	48,627	51,810	54,477	51,155	48,728	47,860	46,315	49,820
121,292	78,025	79,644	36,749	41,275	46,672	39,465	38,922	43,145	40,395	42,924	45,398	42,391	39,807	39,094	37,731	41,913
14,480	8,985	9,095	4,583	4,401	4,598	4,595	4,653	4,907	4,910	5,319	5,416	5,003	4,817	4,661	4,772	4,323
11,971	7,220	7,397	3,693	3,527	3,595	3,877	3,868	3,789	3,322	3,567	3,663	3,762	4,104	4,105	3,813	3,584
38,910	21,647	24,177	11,158	10,489	11,797	9,856	11,016	10,220	11,050	10,901	11,380	12,263	13,724	12,923	12,922	11,255
29,498	15,944	18,269	8,243	7,701	8,699	6,654	8,107	7,444	8,425	8,168	8,316	9,155	10,488	9,855	9,877	8,391
4,390	2,588	2,662	1,324	1,264	1,489	1,461	1,243	1,242	1,172	1,183	1,278	1,458	1,518	1,414	1,374	1,288
3,309	2,074	2,173	1,061	1,012	1,021	1,164	1,264	1,128	1,047	1,101	1,208	1,092	1,119	1,097	1,123	1,049
1,714	1,041	1,074	530	511	589	578	402	406	407	449	578	557	599	557	548	527
461,548	293,229	298,909	148,010	145,219	156,194	144,981	146,799	147,427	143,926	152,175	157,755	156,675	154,988	149,885	152,704	146,205

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	2022				2023		
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	12.8	-3.3	16.3	16.5	13.0	6.5	6.1	-12.7	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	12.5	-3.8	17.0	15.9	11.5	6.8	6.3	-13.7	
11 Pembuatan minuman <i>Manufacture of beverages</i>	19.6	2.7	6.3	30.5	42.2	7.6	0.2	3.2	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	16.0	17.6	4.7	32.1	155.9	-16.4	17.4	27.0	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	7.7	2.2	8.0	9.2	12.9	1.7	0.9	3.7	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	8.6	-2.1	14.1	8.3	11.9	1.2	-2.1	-1.2	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	3.5	5.6	2.7	7.5	6.1	-1.2	3.1	7.4	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	20.5	9.0	3.6	22.6	54.5	14.8	6.4	14.2	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	11.1	1.4	10.1	16.9	19.0	1.7	1.8	1.7	
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	13.4	22.3	22.6	-0.6	-3.9	-2.3	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	9.6	5.7	10.2	10.3	11.9	6.1	11.0	4.8	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13.3	6.0	7.8	22.0	18.8	7.5	7.5	5.5	
31 Pembuatan perabot <i>Manufacture of furniture</i>	9.8	0.2	6.7	18.9	29.4	-5.2	-5.7	-1.9	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	15.5	-6.0	9.7	11.1	24.4	16.2	8.0	-4.8	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	42.3	-10.1	36.3	36.3	57.2	37.4	21.9	-6.2	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9.0	0.7	10.0	14.9	9.4	2.9	2.1	0.7	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.8	5.2	13.9	10.7	12.1	7.1	12.0	5.1	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-12.1	-5.0	-15.0	-17.4	-9.1	-5.0	-7.3	-7.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	12.5	6.8	8.4	18.5	23.1	3.9	6.1	6.2	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	15.2	7.1	6.9	20.6	33.5	6.0	6.9	6.8	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	9.4	4.1	10.3	16.4	11.2	2.2	5.0	3.6	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	13.2	8.8	8.0	18.6	26.6	3.8	6.3	7.8	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	20.3	3.0	17.6	24.2	25.5	14.8	10.2	5.5	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	22.4	3.4	18.2	27.9	28.0	16.6	11.1	6.3	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	15.6	3.2	20.2	15.1	21.1	7.4	5.9	5.2	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	6.9	-1.9	9.3	4.6	7.7	6.3	4.9	-2.3	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	14.5	10.9	5.5	18.2	31.1	7.9	14.8	6.8	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	15.3	13.5	6.3	20.0	32.1	7.9	18.6	7.2	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	11.3	2.3	2.6	13.6	21.2	9.9	6.4	5.4	
32 Pembuatan lain <i>Other manufacturing</i>	16.3	5.1	3.8	15.8	48.3	5.6	3.4	4.4	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	7.9	7.3	6.1	10.1	10.2	6.2	7.4	11.5	
Pembuatan Manufacturing	Jumlah Total	15.8	0.2	12.8	17.4	22.5	11.1	8.2	-1.0

																	(%)
		2023	2024	2023												2024	
Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-5.3	0.4	6.5	5.3	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	-0.9
-5.8	0.1	6.7	5.3	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	-1.2
1.4	5.8	0.1	3.6	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	0.7
18.6	9.0	13.1	9.9	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
2.5	1.6	0.7	6.1	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
-2.7	-2.6	-2.5	8.7	-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
7.5	4.6	3.2	2.8	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
8.2	8.3	5.7	7.4	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
-0.5	2.3	1.9	3.3	-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
-7.2	-6.2	-3.3	-2.5	-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
1.9	5.6	11.8	3.9	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
7.5	3.6	6.6	3.6	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
-1.4	9.8	-6.8	11.2	-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
-13.3	-11.2	9.7	-5.8	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
-22.7	-20.9	25.6	-15.7	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
0.7	-0.6	1.9	1.4	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
0.7	3.5	11.2	4.9	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
-4.5	-0.3	-7.9	6.5	-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
7.2	7.7	5.1	7.6	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
7.6	7.0	6.6	8.1	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
2.8	4.9	3.0	3.5	-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
10.6	10.7	5.7	10.7	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
1.6	-4.2	9.4	2.0	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
2.2	-4.7	10.3	2.1	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
4.3	-1.9	6.9	1.2	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
-8.1	-1.3	4.0	2.5	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
12.4	9.8	14.7	11.7	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	7.3
15.7	12.6	18.5	14.6	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	9.0
-0.5	-1.7	4.9	2.9	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
5.7	6.9	3.3	4.8	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
10.6	1.4	9.1	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
-2.9	-2.7	8.3	1.9	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

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	2022				2023			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.	Makanan, minuman dan tembakau	-11.7	24.6	-3.7	0.6	-12.0	2.4	4.5	6.7
	<i>Food, beverages and tobacco</i>								
10	Pembuatan produk makanan <i>Manufacture of food products</i>	-12.5	26.8	-4.0	0.3	-12.9	3.0	4.8	6.5
11	Pembuatan minuman <i>Manufacture of beverages</i>	5.9	-5.1	6.7	0.3	-1.4	-2.3	4.9	4.7
12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	-8.1	-22.9	-13.2	36.0	29.1	-16.7	-19.0	25.1
2.	Tekstil, pakaian, kulit dan kasut	0.4	-6.8	0.3	8.3	-0.3	-4.3	-0.8	7.3
	<i>Textiles, wearing apparel, leather and footwear</i>								
13	Pembuatan tekstil <i>Manufacture of textiles</i>	1.6	-2.0	-1.9	3.6	-1.7	-1.1	-3.3	3.7
14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	-1.5	-10.0	0.6	10.7	2.9	-6.3	0.7	7.8
15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2.6	-16.5	10.9	20.7	-4.9	-10.3	5.0	20.8
3.	Produk kayu, perabot, keluaran kertas dan percetakan	4.4	-17.0	3.7	13.2	4.5	-17.1	1.5	16.3
	<i>Wood products, furniture, paper products and printing</i>								
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>	7.3	-34.8	13.3	25.2	3.8	-33.7	7.6	26.6
17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	0.9	3.4	2.9	-1.1	5.6	-2.4	0.1	2.5
18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	3.8	-7.7	-1.8	14.2	3.8	-9.4	0.1	10.0
31	Pembuatan perabot <i>Manufacture of furniture</i>	5.1	-23.5	-3.1	21.5	4.6	-20.4	-2.5	35.2
4.	Petroleum, kimia, getah dan plastik	-2.3	14.7	11.1	-6.6	-9.3	1.1	1.2	-4.3
	<i>Petroleum, chemical, rubber and plastic</i>								
19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	-8.2	32.0	25.4	-9.6	-18.5	1.5	3.4	-7.6
20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	6.7	-8.3	5.1	-0.1	6.0	-9.6	5.2	-1.3
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	0.4	3.7	7.7	-4.5	5.0	-2.7	3.2	-1.9
22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-1.2	11.7	-9.1	-5.2	-3.6	11.5	-6.3	-1.1
5.	Produk mineral bukan logam, logam asas dan produk logam yang direka	4.1	-10.2	-1.5	12.8	6.3	-10.1	-0.6	13.2
	<i>Non-metallic mineral products, basic metal and fabricated metal</i>								
23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	11.1	-10.4	-1.0	7.5	12.2	-10.5	-0.3	7.0
24	Pembuatan logam asas <i>Manufacture of basic metals</i>	-1.9	-17.7	4.3	21.4	0.8	-18.8	3.4	23.9
25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	4.5	-3.6	-6.1	9.7	7.0	-2.2	-3.6	9.8
6.	Produk elektrik dan elektronik	0.8	3.1	9.2	1.1	-3.3	-1.3	5.2	-4.6
	<i>Electrical and electronic products</i>								
26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	2.8	1.9	10.2	1.1	-2.0	-2.5	5.9	-5.8
27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-6.7	4.9	11.4	-1.5	-8.0	4.2	10.5	-7.4
28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-9.6	14.5	-2.7	5.6	-10.8	6.6	-8.5	13.4
7.	Kelengkapan pengangkutan dan pembuatan lain	-11.3	-0.1	1.9	19.5	-5.6	-7.0	7.2	16.7
	<i>Transport equipment and other manufactures</i>								
29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-14.4	-0.4	4.0	21.6	-5.9	-9.9	12.2	18.4
30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	-5.6	-2.4	-2.5	22.3	-8.7	-3.2	-7.9	20.8
32	Pembuatan lain <i>Other manufacturing</i>	2.1	13.8	-6.8	-2.5	-0.01	14.9	-5.6	-1.4
33	Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	-4.6	-18.0	4.1	30.4	-3.6	-14.9	3.4	19.6
Pembuatan <i>Manufacturing</i>		Jumlah <i>Total</i>	-2.7	6.8	5.4	1.5	-5.3	-2.3	3.3

(%)

2023												2024	
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-10.8	-2.6	-1.6	2.1	4.5	-2.1	-2.3	6.2	7.8	1.8	-2.2	-2.2	2.1	-13.3
-11.7	-2.5	-2.4	2.7	5.0	-1.4	-2.9	6.2	8.5	1.1	-1.9	-2.2	1.8	-13.8
1.5	-0.4	6.8	0.4	-6.3	-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-5.8
30.3	-11.5	29.7	-20.7	4.9	-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6
-2.5	-2.4	2.4	-4.8	1.5	-3.6	1.0	0.3	-0.2	4.6	5.5	-3.0	7.2	-5.9
-3.3	-4.7	4.0	-3.1	2.5	-1.8	-2.9	1.7	-3.8	3.6	3.3	-0.3	10.9	-4.9
-2.1	0.9	-0.2	-5.7	1.1	-4.5	5.3	-3.6	2.4	4.0	7.4	-4.7	5.6	-7.2
-0.8	-4.6	5.0	-8.8	-0.9	-7.9	2.5	9.6	6.2	10.1	7.4	-7.0	-1.3	-5.5
1.5	-0.4	5.5	-12.6	-7.3	-11.0	1.5	13.0	6.5	5.3	3.7	-1.4	5.9	-4.7
1.4	-2.6	8.0	-22.3	-20.5	-17.0	1.0	42.3	7.9	11.2	-2.1	-2.5	12.6	-7.7
1.9	3.6	5.3	-2.1	-5.7	-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6
-1.4	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
3.6	-4.7	7.8	-19.5	7.5	-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9
1.0	-13.4	9.7	-1.9	4.3	-2.8	-0.7	5.0	-2.8	0.8	-3.2	-8.3	7.6	-9.1
5.3	-23.4	3.7	4.5	7.5	-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5
-0.6	-1.8	6.0	-14.5	4.3	-1.6	1.2	8.5	-5.9	-1.9	2.4	1.2	9.7	-9.1
5.0	1.1	6.4	-4.6	-8.6	10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2
-7.1	-3.5	25.4	-0.3	0.02	-6.5	1.1	-5.2	1.4	1.5	-1.3	-2.5	0.8	-6.3
1.0	-0.1	2.8	-6.0	-7.3	-3.8	-2.8	7.4	8.0	0.4	5.4	3.6	3.1	-3.7
2.8	1.9	3.6	-9.5	-5.7	-0.4	0.6	2.3	-0.5	-2.4	12.2	2.6	8.6	-5.3
-2.6	2.1	4.9	-10.5	-13.8	-11.8	-6.0	23.5	26.4	-0.2	1.9	-2.0	-2.4	1.2
2.7	-3.5	0.5	1.1	-3.4	-0.5	-3.3	1.3	0.6	3.0	3.8	9.3	3.5	-6.3
-10.2	9.3	11.5	-12.6	-1.0	9.3	-6.2	6.5	5.1	-6.1	-4.7	-1.8	-3.2	7.6
-10.5	12.3	13.1	-15.4	-1.4	10.8	-6.4	6.3	5.8	-6.6	-6.1	-1.8	-3.5	11.1
-6.0	-4.0	4.5	-0.1	1.3	5.5	0.1	8.3	1.8	-7.6	-3.7	-3.2	2.4	-9.4
-12.6	-4.5	1.9	7.8	-0.2	-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.01
-8.1	-6.0	12.5	-16.5	11.8	-7.2	8.1	-1.4	4.4	7.8	11.9	-5.8	-0.01	-12.9
-9.6	-6.6	13.0	-23.5	21.8	-8.2	13.2	-3.0	1.8	10.1	14.6	-6.0	0.2	-15.0
-7.6	-4.5	17.8	-1.9	-14.9	-0.1	-5.6	0.9	8.0	14.1	4.1	-6.8	-2.9	-6.2
2.7	-4.6	0.9	14.0	8.6	-10.7	-7.2	5.2	9.6	-9.5	2.5	-2.0	2.4	-6.6
-4.5	-3.4	15.1	-1.9	-30.4	1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8
-5.4	-1.9	7.6	-7.2	1.3	0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3

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

Subsektor Sub-sector	2022	2023	2022		
			Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	312,503	331,015	302,632	303,341	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	294,898	312,950	284,914	285,923	
11 Pembuatan minuman <i>Manufacture of beverages</i>	16,373	16,805	16,304	16,247	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	1,232	1,259	1,413	1,170	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	84,022	85,961	83,137	82,639	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	27,871	28,303	27,585	27,660	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	43,591	44,781	43,154	42,708	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	12,559	12,878	12,399	12,272	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	300,117	306,775	295,043	294,663	
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	91,448	92,333	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	58,658	59,265	56,974	56,605	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	70,120	71,281	67,661	65,902	
31 Pembuatan perabot <i>Manufacture of furniture</i>	77,294	81,979	78,959	79,824	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	431,348	431,568	428,403	431,602	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	17,817	18,473	17,719	17,262	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	104,895	103,545	105,228	102,801	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	27,325	27,967	24,800	27,994	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	281,311	281,583	280,656	283,545	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	378,084	386,812	376,488	372,058	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	107,304	109,233	105,181	106,264	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	111,538	112,157	112,250	110,408	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	159,242	165,423	159,057	155,387	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	615,997	615,687	590,903	602,060	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	416,128	419,283	394,505	403,586	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	103,580	102,410	102,806	102,185	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	96,289	93,994	93,591	96,289	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	213,364	216,739	210,719	211,541	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	86,835	87,614	85,015	85,774	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	43,427	44,306	43,328	42,973	
32 Pembuatan lain <i>Other manufacturing</i>	40,788	40,976	39,511	39,779	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	42,314	43,843	42,865	43,016	
Pembuatan Manufacturing	Jumlah Total	2,335,435	2,374,557	2,287,325	2,297,905

2023				2023		2024
Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)
307,220	312,503	318,572	319,899	330,045	331,015	319,546
289,878	294,898	300,354	301,781	312,172	312,950	301,386
16,144	16,373	16,770	16,865	16,602	16,805	16,717
1,198	1,232	1,448	1,254	1,271	1,259	1,443
82,292	84,022	85,096	85,266	84,763	85,961	84,831
27,897	27,871	28,115	28,376	28,596	28,303	27,854
41,931	43,591	43,969	44,071	43,253	44,781	43,863
12,464	12,559	13,011	12,818	12,914	12,878	13,114
295,302	300,117	301,925	299,830	302,192	306,775	303,581
93,204	94,044	92,962	92,665	93,276	94,250	95,214
57,633	58,658	59,308	57,626	58,587	59,265	59,436
65,467	70,120	70,319	68,955	68,928	71,281	69,878
78,998	77,294	79,337	80,585	81,400	81,979	79,053
433,224	431,348	434,110	426,332	431,355	431,568	431,616
17,651	17,817	18,486	18,149	18,199	18,473	17,989
102,306	104,895	107,580	104,293	102,458	103,545	105,966
28,824	27,325	26,901	27,916	29,297	27,967	26,916
284,443	281,311	281,143	275,974	281,401	281,583	280,746
374,888	378,084	379,977	376,792	384,546	386,812	379,566
107,175	107,304	105,623	107,408	109,570	109,233	105,797
111,054	111,538	112,586	111,152	111,898	112,157	112,481
156,659	159,242	161,768	158,233	163,078	165,423	161,289
611,431	615,997	615,782	622,533	623,413	615,687	615,055
411,580	416,128	414,042	421,479	423,425	419,283	413,081
104,235	103,580	104,635	102,547	104,452	102,410	103,887
95,616	96,289	97,105	98,507	95,536	93,994	98,086
212,603	213,364	215,807	214,921	216,437	216,739	215,772
86,316	86,835	87,037	87,085	87,567	87,614	87,089
43,725	43,427	44,253	43,751	44,053	44,306	44,313
40,695	40,788	40,934	40,492	41,202	40,976	40,892
41,867	42,314	43,583	43,593	43,616	43,843	43,478
2,316,961	2,335,435	2,351,269	2,345,574	2,372,752	2,374,557	2,349,967
						2,365,000

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

Subsektor Sub-sector	2023				
	Jan.	Feb.	Mac.	Apr.	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	316,809	319,546	318,572	319,127	
10 Pembuatan produk makanan Manufacture of food products	298,930	301,386	300,354	301,010	
11 Pembuatan minuman Manufacture of beverages	16,583	16,717	16,770	16,843	
12 Pembuatan produk tembakau Manufacture of tobacco products	1,296	1,443	1,448	1,274	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	84,837	84,831	85,096	85,098	
13 Pembuatan tekstil Manufacture of textiles	28,095	27,854	28,115	28,228	
14 Pembuatan pakaian Manufacture of wearing apparel	43,879	43,863	43,969	44,052	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,863	13,114	13,011	12,818	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	302,697	303,581	301,925	300,971	
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	94,568	95,214	92,962	92,289	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	58,843	59,436	59,308	58,624	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	70,262	69,878	70,319	69,596	
31 Pembuatan perabot Manufacture of furniture	79,024	79,053	79,337	80,462	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	430,230	431,616	434,110	433,318	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	17,783	17,989	18,486	18,239	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	105,650	105,966	107,580	104,791	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	26,805	26,916	26,901	28,360	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	279,992	280,746	281,143	281,929	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	380,545	379,566	379,977	377,496	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	107,769	105,797	105,623	106,049	
24 Pembuatan logam asas Manufacture of basic metals	112,701	112,481	112,586	111,977	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	160,075	161,289	161,768	159,471	
6. Produk elektrik dan elektronik Electrical and electronic products	611,164	615,055	615,782	618,326	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	410,422	413,081	414,042	417,662	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	103,746	103,887	104,635	103,268	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	96,996	98,086	97,105	97,395	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	215,669	215,772	215,807	214,822	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	87,000	87,089	87,037	86,924	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	44,293	44,313	44,253	43,711	
32 Pembuatan lain Other manufacturing	40,916	40,892	40,934	40,503	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	43,460	43,478	43,583	43,684	
Pembuatan Manufacturing	Jumlah Total	2,341,951	2,349,967	2,351,269	2,349,159

2024									
Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
319,956	319,899	321,987	323,631	330,045	331,773	331,484	331,015	334,249	333,253
301,817	301,781	303,808	305,925	312,172	313,811	313,598	312,950	315,935	314,888
16,874	16,865	16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045
1,266	1,254	1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320
85,729	85,266	84,366	84,095	84,763	84,368	86,006	85,961	86,619	86,300
28,559	28,376	28,140	28,549	28,596	28,519	28,433	28,303	28,464	27,993
44,258	44,071	43,521	42,881	43,253	42,777	44,583	44,781	45,202	45,287
12,912	12,818	12,704	12,664	12,914	13,072	12,990	12,878	12,953	13,021
302,970	299,830	298,729	300,621	302,192	306,093	307,012	306,775	304,136	304,734
94,135	92,665	92,456	92,885	93,276	94,039	95,049	94,250	93,472	93,238
57,792	57,626	57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910
70,361	68,955	68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558
80,682	80,585	80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028
431,202	426,332	429,348	431,511	431,355	432,901	432,707	431,568	430,409	430,174
18,209	18,149	18,202	18,349	18,199	18,408	18,453	18,473	18,245	18,511
104,624	104,293	102,983	103,371	102,458	103,829	104,131	103,545	103,959	104,451
28,019	27,916	28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303
280,350	275,974	279,717	280,635	281,401	281,249	282,053	281,583	280,900	279,909
379,292	376,792	377,958	381,483	384,546	384,787	384,301	386,812	387,410	385,020
106,908	107,408	107,795	108,712	109,570	109,021	109,659	109,233	107,161	105,855
112,081	111,152	111,101	110,940	111,898	112,805	112,006	112,157	113,533	112,816
160,304	158,233	159,061	161,831	163,078	162,961	162,636	165,423	166,716	166,349
620,571	622,533	610,281	617,325	623,413	621,335	619,211	615,687	612,053	608,381
421,194	421,479	411,396	416,465	423,425	421,955	420,728	419,283	414,252	410,364
102,562	102,547	102,879	104,815	104,452	104,048	103,012	102,410	103,051	102,040
96,815	98,507	96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978
216,027	214,921	217,455	216,445	216,437	216,981	216,662	216,739	218,037	217,138
87,437	87,085	87,860	87,475	87,567	87,763	87,590	87,614	88,016	87,310
43,826	43,751	44,400	43,820	44,053	44,038	44,156	44,306	44,728	44,592
40,738	40,492	41,070	41,066	41,202	41,335	41,317	40,976	40,834	40,981
44,026	43,593	44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254
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	2,365,000

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	2022				2023				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	4.9	5.9	1.3	1.6	2.7	4.9	5.3	5.5	7.4	5.9	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	5.0	6.1	1.3	1.5	2.8	5.0	5.4	5.5	7.7	6.1	
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.6	2.6	1.2	3.9	0.7	2.6	2.9	3.8	2.8	2.6	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.8	2.2	0.1	1.7	0.2	2.8	2.4	7.1	6.1	2.2	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.8	2.3	2.0	4.6	4.3	1.8	2.4	3.2	3.0	2.3	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.5	1.5	0.7	2.3	2.2	0.5	1.9	2.6	2.5	1.5	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	2.6	2.7	2.4	5.9	5.8	2.6	1.9	3.2	3.2	2.7	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2.2	2.5	3.2	5.6	4.0	2.2	4.9	4.5	3.6	2.5	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2.1	2.2	2.9	5.9	2.5	2.1	2.3	1.8	2.3	2.2	
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	1.4	3.9	0.1	0.6	1.7	0.4	0.1	0.2	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.3	1.0	3.0	4.4	5.1	4.3	4.1	1.8	1.7	1.0	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.0	1.7	3.1	4.5	4.7	4.0	3.9	4.6	5.3	1.7	
31 Pembuatan perabot <i>Manufacture of furniture</i>	0.6	6.1	4.4	10.7	1.9	0.6	0.5	1.0	3.0	6.1	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	2.6	0.1	1.0	1.0	2.5	2.6	1.3	-1.2	-0.4	0.1	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	4.2	3.7	3.0	2.7	2.9	4.2	4.3	5.1	3.1	3.7	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	3.1	-1.3	0.2	1.1	1.0	3.1	2.2	1.5	0.1	-1.3	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	8.9	2.3	5.9	6.6	8.6	8.9	8.5	-0.3	1.6	2.3	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	1.8	0.1	0.8	0.3	2.4	1.8	0.2	-2.7	-1.1	0.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	1.3	2.3	0.7	2.6	2.6	1.3	0.9	1.3	2.6	2.3	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	1.6	1.8	0.9	3.4	3.2	1.6	0.4	1.1	2.2	1.8	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.4	0.6	0.5	2.3	3.9	0.4	0.3	0.7	0.8	0.6	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	3.9	0.7	2.3	1.3	1.6	1.7	1.8	4.1	3.9	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	5.2	-0.1	5.0	5.9	6.6	5.2	4.2	3.4	2.0	-0.1	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	6.6	0.8	6.5	7.2	7.8	6.6	5.0	4.4	2.9	0.8	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.5	-1.1	3.2	4.0	3.9	1.5	1.8	0.4	0.2	-1.1	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.6	-2.4	1.2	2.8	4.4	3.6	3.8	2.3	-0.1	-2.4	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	3.5	1.6	2.3	5.1	4.3	3.5	2.4	1.6	1.8	1.6	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.6	0.9	2.1	3.7	4.0	3.6	2.4	1.5	1.4	0.9	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.4	2.0	0.5	5.6	5.1	4.4	2.1	1.8	0.7	2.0	
32 Pembuatan lain <i>Other manufacturing</i>	4.0	0.5	2.4	4.9	6.6	4.0	3.6	1.8	1.2	0.5	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	2.1	3.6	4.3	7.5	2.1	2.1	1.7	1.3	4.2	3.6	
Pembuatan Manufacturing	Jumlah Total	3.4	1.7	2.4	3.7	3.8	3.4	2.8	2.1	2.4	1.7

															(%)
2023	2024	2023												2024	
(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
5.6	4.3	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
5.8	4.5	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
2.7	2.0	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
0.8	-8.5	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
1.8	1.7	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
1.2	0.5	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
1.8	3.2	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
3.3	-0.7	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
2.4	0.4	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
1.9	-2.1	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
4.2	0.8	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
3.8	-1.9	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
0.7	5.0	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
2.8	-0.3	2.1	2.8	1.3	-0.5	-0.9	-1.2	-0.8	-0.3	-0.4	0.2	0.4	0.1	0.04	-0.3
4.1	2.9	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
3.7	-1.4	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
8.5	1.4	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
1.8	-0.3	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
1.4	1.4	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
0.8	0.1	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
0.4	0.3	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
2.6	3.1	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
4.4	-1.1	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
5.4	-0.7	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
1.6	-1.8	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
3.2	-2.1	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
2.6	0.6	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
2.3	0.3	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
2.9	0.6	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
3.0	0.2	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
2.4	1.8	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
3.3	0.6	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

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

Subsektor Sub-sector		2022				2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		1.6	0.2	1.3	1.7	1.9	0.4	3.2	0.3	
10	Pembuatan produk makanan <i>Manufacture of food products</i>	1.5	0.4	1.4	1.7	1.9	0.5	3.4	0.2	
11	Pembuatan minuman <i>Manufacture of beverages</i>	2.2	-0.4	-0.6	1.4	2.4	0.6	-1.6	1.2	
12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	17.9	-17.2	2.4	2.8	17.5	-13.4	1.4	-0.9	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>		0.8	-0.6	-0.4	2.1	1.3	0.2	-0.6	1.4	
13	Pembuatan tekstil <i>Manufacture of textiles</i>	-0.6	0.3	0.9	-0.1	0.9	0.9	0.8	-1.0	
14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	1.6	-1.0	-1.8	4.0	0.9	0.2	-1.9	3.5	
15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	0.9	-1.0	1.6	0.8	3.6	-1.5	0.7	-0.3	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>		0.4	-0.1	0.2	1.6	0.6	-0.7	0.8	1.5	
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>	-2.2	1.0	0.9	0.9	-1.2	-0.3	0.7	1.0	
17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.4	-0.6	1.8	1.8	1.1	-2.8	1.7	1.2	
18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	0.3	-2.6	-0.7	7.1	0.3	-1.9	-0.04	3.4	
31	Pembuatan perabot <i>Manufacture of furniture</i>	2.8	1.1	-1.0	-2.2	2.6	1.6	1.0	0.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>		1.9	0.7	0.4	-0.4	0.6	-1.8	1.2	0.05	
19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	3.7	-2.6	2.3	0.9	3.8	-1.8	0.3	1.5	
20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	3.5	-2.3	-0.5	2.5	2.6	-3.1	-1.8	1.1	
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-1.2	12.9	3.0	-5.2	-1.6	3.8	4.9	-4.5	
22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	1.5	1.0	0.3	-1.1	-0.1	-1.8	2.0	0.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>		0.8	-1.2	0.8	0.9	0.5	-0.8	2.1	0.6	
23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	-0.4	1.0	0.9	0.1	-1.6	1.7	2.0	-0.3	
24	Pembuatan logam asas <i>Manufacture of basic metals</i>	1.1	-1.6	0.6	0.4	0.9	-1.3	0.7	0.2	
25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.5	-2.3	0.8	1.6	1.6	-2.2	3.1	1.4	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>		0.9	1.9	1.6	0.7	-0.03	1.1	0.1	-1.2	
26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	1.0	2.3	2.0	1.1	-0.5	1.8	0.5	-1.0	
27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	0.7	-0.6	2.0	-0.6	1.0	-2.0	1.9	-2.0	
28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	0.7	2.9	-0.7	0.7	0.8	1.4	-3.0	-1.6	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>		2.3	0.4	0.5	0.4	1.1	-0.4	0.7	0.1	
29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	1.5	0.9	0.6	0.6	0.2	0.1	0.6	0.1	
30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.2	-0.8	1.7	-0.7	1.9	-1.1	0.7	0.6	
32	Pembuatan lain <i>Other manufacturing</i>	0.7	0.7	2.3	0.2	0.4	-1.1	1.8	-0.5	
33	Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	3.4	0.4	-2.7	1.1	3.0	0.02	0.1	0.5	
Pembuatan Manufacturing		Jumlah Total	1.2	0.5	0.8	0.8	0.7	-0.2	1.2	0.1

												(%)	
2023												2024	
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
1.4	0.9	-0.3	0.2	0.3	-0.02	0.7	0.5	2.0	0.5	-0.1	-0.1	1.0	-0.3
1.4	0.8	-0.3	0.2	0.3	-0.01	0.7	0.7	2.0	0.5	-0.1	-0.2	1.0	-0.3
1.3	0.8	0.3	0.4	0.2	-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02
5.2	11.4	0.3	-12.0	-0.6	-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7
1.0	-0.01	0.3	0.0	0.7	-0.5	-1.1	-0.3	0.8	-0.5	1.9	-0.1	0.8	-0.4
0.8	-0.9	0.9	0.4	1.2	-0.6	-0.8	1.5	0.2	-0.3	-0.3	-0.5	0.6	-1.7
0.7	-0.04	0.2	0.2	0.5	-0.4	-1.2	-1.5	0.9	-1.1	4.2	0.4	0.9	0.2
2.4	1.9	-0.8	-1.5	0.7	-0.7	-0.9	-0.3	2.0	1.2	-0.6	-0.9	0.6	0.5
0.9	0.3	-0.5	-0.3	0.7	-1.0	-0.4	0.6	0.5	1.3	0.3	-0.1	-0.9	0.2
0.6	0.7	-2.4	-0.7	2.0	-1.6	-0.2	0.5	0.4	0.8	1.1	-0.8	-0.8	-0.3
0.3	1.0	-0.2	-1.2	-1.4	-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8
0.2	-0.5	0.6	-1.0	1.1	-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02
2.2	0.04	0.4	1.4	0.3	-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5
-0.3	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
-0.2	1.2	2.8	-1.3	-0.2	-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5
0.7	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
-1.9	0.4	-0.1	5.4	-1.2	-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01
-0.5	0.3	0.1	0.3	-0.6	-1.6	1.4	0.3	0.3	-0.1	0.3	-0.2	-0.2	-0.4
0.7	-0.3	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	-1.8	-0.2	0.4	0.8	0.5	0.4	0.9	0.8	-0.5	0.6	-0.4	-1.9	-1.2
1.0	-0.2	0.1	-0.5	0.1	-0.8	-0.05	-0.1	0.9	0.8	-0.7	0.1	1.2	-0.6
0.5	0.8	0.3	-1.4	0.5	-1.3	0.5	1.7	0.8	-0.1	-0.2	1.7	0.8	-0.2
-0.8	0.6	0.1	0.4	0.4	0.3	-2.0	1.2	1.0	-0.3	-0.3	-0.6	-0.6	-0.6
-1.4	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
0.2	0.1	0.7	-1.3	-0.7	-0.01	0.3	1.9	-0.3	-0.4	-1.0	-0.6	0.6	-1.0
0.7	1.1	-1.0	0.3	-0.6	1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3
1.1	0.05	0.02	-0.5	0.6	-0.5	1.2	-0.5	0.0	0.3	-0.1	0.04	0.6	-0.41
0.2	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
2.0	0.04	-0.1	-1.2	0.3	-0.2	1.5	-1.3	0.5	-0.03	0.3	0.3	1.0	-0.3
0.3	-0.1	0.1	-1.1	0.6	-0.6	1.4	-0.01	0.3	0.3	-0.04	-0.8	-0.3	0.4
2.7	0.04	0.2	0.2	0.8	-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5
0.3	0.3	0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	-0.04	-0.1	-0.1	-0.3

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	2022				2023				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	11,028	11,901	2,702	2,721	2,738	2,867	2,912	2,909	2,965	3,115	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	10,433	11,261	2,553	2,578	2,596	2,706	2,753	2,755	2,810	2,943	
11 Pembuatan minuman <i>Manufacture of beverages</i>	532	573	132	128	128	143	141	139	139	154	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	63	66	17	14	14	18	18	16	15	18	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,909	2,013	480	462	465	502	503	496	492	521	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	673	706	166	164	168	174	172	176	178	180	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	913	964	231	218	219	244	245	236	231	252	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	323	343	82	79	78	84	86	85	83	88	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9,483	9,927	2,398	2,338	2,326	2,421	2,502	2,441	2,448	2,536	
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	650	634	642	658	678	662	677	693	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,100	2,148	524	516	520	541	548	523	527	550	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	2,242	2,382	567	559	542	575	594	600	584	605	
31 Pembuatan perabot <i>Manufacture of furniture</i>	2,556	2,687	658	629	622	647	683	655	660	689	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	20,969	21,375	5,079	5,225	5,327	5,338	5,355	5,286	5,327	5,407	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	2,363	2,502	629	532	577	625	677	570	592	664	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	5,831	5,931	1,485	1,422	1,445	1,479	1,551	1,458	1,448	1,473	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	789	804	180	196	202	211	188	197	204	215	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	11,986	12,139	2,786	3,075	3,102	3,023	2,939	3,061	3,083	3,055	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	14,412	14,916	3,650	3,553	3,521	3,687	3,765	3,664	3,652	3,835	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	4,607	4,721	1,123	1,145	1,151	1,187	1,144	1,161	1,183	1,233	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,180	4,262	1,093	1,029	997	1,061	1,128	1,058	1,011	1,065	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	5,625	5,933	1,435	1,378	1,373	1,439	1,494	1,445	1,458	1,537	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	29,441	30,130	7,384	7,197	7,206	7,654	7,618	7,483	7,334	7,695	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	21,078	21,732	5,268	5,187	5,129	5,494	5,463	5,447	5,247	5,574	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3,939	3,948	993	940	995	1,010	1,007	956	1,003	983	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	4,424	4,451	1,123	1,070	1,083	1,149	1,148	1,080	1,084	1,139	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	7,287	7,528	1,820	1,823	1,780	1,864	1,862	1,886	1,850	1,930	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3,526	3,625	872	889	861	904	878	913	898	936	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,142	1,171	290	289	281	282	296	294	285	295	
32 Pembuatan lain <i>Other manufacturing</i>	1,300	1,325	325	314	326	335	328	324	328	345	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1,319	1,407	334	331	312	342	359	355	338	355	
Pembuatan Manufacturing	Jumlah Total	94,528	97,789	23,513	23,318	23,364	24,332	24,517	24,165	24,068	25,039

(RM Juta/Million)															
2023	2024	2023										2024			
(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
1,950	2,048	978	972	962	964	973	972	978	978	1,009	1,012	1,014	1,089	1,046	1,002
1,844	1,936	925	919	909	911	922	921	928	927	956	958	957	1,028	989	947
95	101	48	47	47	47	46	45	45	45	49	49	51	54	51	50
12	11	6	6	6	5	5	5	5	5	5	5	5	7	6	6
337	345	173	164	166	166	167	163	162	163	168	167	173	181	177	168
115	117	59	56	57	58	59	59	59	59	60	60	60	61	60	57
165	169	86	79	80	80	79	76	77	76	79	78	84	90	87	82
58	59	29	29	29	28	28	28	27	27	29	29	29	30	30	29
1,675	1,715	843	832	827	811	823	808	809	816	823	830	835	870	859	857
453	465	226	228	224	222	222	218	224	226	227	229	230	233	234	231
366	371	180	186	182	175	174	174	173	175	179	182	180	188	184	186
397	414	204	193	197	197	203	200	196	197	191	193	199	213	204	210
459	466	233	225	224	217	223	215	216	218	226	226	226	237	237	229
3,523	3,535	1,770	1,753	1,831	1,775	1,747	1,764	1,768	1,783	1,777	1,783	1,771	1,853	1,778	1,756
428	432	216	212	249	188	187	195	190	194	208	217	207	240	216	216
1,020	990	509	512	530	502	472	484	489	483	476	480	478	515	493	497
126	128	65	61	62	68	64	65	67	69	68	70	67	78	66	62
1,949	1,984	981	968	990	1,017	1,024	1,020	1,022	1,037	1,024	1,016	1,019	1,021	1,003	981
2,521	2,640	1,272	1,248	1,244	1,213	1,236	1,215	1,204	1,209	1,239	1,244	1,250	1,341	1,337	1,303
765	799	393	373	379	379	392	390	389	390	404	403	408	422	406	393
757	769	382	375	370	356	356	346	336	334	341	342	342	381	391	377
998	1,072	498	501	495	478	488	479	479	485	494	498	499	539	540	532
5,100	5,050	2,529	2,571	2,518	2,462	2,518	2,503	2,398	2,438	2,498	2,484	2,478	2,733	2,527	2,523
3,643	3,631	1,794	1,849	1,820	1,801	1,832	1,814	1,712	1,738	1,798	1,787	1,793	1,993	1,810	1,821
679	654	343	337	327	298	326	332	333	337	333	327	316	340	330	323
777	766	393	384	371	363	360	357	354	363	367	370	368	400	386	380
1,240	1,259	617	624	621	626	635	624	613	616	621	625	628	677	627	633
588	600	292	297	289	301	306	306	297	300	301	303	302	332	298	302
193	201	96	98	103	98	100	96	96	93	96	98	97	99	100	101
219	217	111	109	109	106	110	108	108	110	111	111	111	122	108	109
239	241	119	120	120	122	119	115	113	113	113	113	118	124	120	121
16,347	16,593	8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001	8,135	8,146	8,149	8,744	8,350	8,243

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	2022				2023				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	6.6	7.9	5.6	6.1	7.2	7.6	7.8	6.9	8.3	8.6	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	6.7	7.9	5.9	6.2	7.2	7.7	7.8	6.9	8.3	8.8	
11 Pembuatan minuman <i>Manufacture of beverages</i>	4.8	7.7	1.0	5.5	6.8	5.8	6.9	8.3	8.5	7.2	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.6	4.8	0.8	1.8	3.9	3.9	4.5	8.5	5.2	1.7	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	4.5	5.4	2.9	4.2	6.6	4.4	4.9	7.4	5.8	3.8	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	2.4	5.0	1.7	1.6	4.4	2.0	3.5	6.9	6.0	3.5	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	5.8	5.6	3.6	5.7	7.5	6.7	5.7	8.0	5.5	3.5	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	5.2	6.0	3.4	5.5	9.4	3.0	5.4	6.9	6.2	5.5	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.7	4.7	4.9	5.6	5.5	2.9	4.3	4.4	5.2	4.8	
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	7.5	8.2	4.2	0.6	4.2	4.5	5.5	5.3	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.1	2.3	3.7	2.9	5.1	4.6	4.7	1.4	1.3	1.6	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.2	6.3	1.3	1.9	6.9	6.8	4.8	7.3	7.8	5.2	
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.4	5.1	6.6	8.7	6.1	0.6	3.8	4.2	6.1	6.4	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	3.1	1.9	1.2	2.0	4.4	4.6	5.4	1.2	0.01	1.3	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	1.6	5.9	1.9	1.9	2.1	0.7	7.7	7.1	2.6	6.1	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.7	1.7	1.5	2.4	3.4	3.5	4.5	2.5	0.2	-0.4	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.0	1.9	8.8	8.6	10.3	11.8	4.6	0.7	0.9	1.9	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	3.1	1.3	0.5	1.5	4.9	5.6	5.5	-0.5	-0.6	1.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	4.0	3.5	3.6	4.7	5.6	2.2	3.1	3.1	3.7	4.0	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	6.2	2.5	4.1	5.3	9.1	6.2	1.9	1.3	2.7	3.9	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	3.3	1.9	4.8	4.4	4.0	0.1	3.2	2.8	1.4	0.4	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	2.8	5.5	2.3	4.5	4.0	0.5	4.1	4.9	6.2	6.8	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	7.4	2.3	6.1	7.5	9.1	7.0	3.2	4.0	1.8	0.5	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	9.3	3.1	8.2	9.4	11.0	8.8	3.7	5.0	2.3	1.4	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	2.8	0.2	1.7	3.3	4.5	1.6	1.4	1.7	0.7	-2.7	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.1	0.6	1.2	3.0	4.9	3.3	2.3	0.9	0.2	-0.9	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	4.2	3.3	2.5	5.1	7.0	2.6	2.3	3.5	3.9	3.5	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.4	2.8	0.8	3.6	7.3	2.1	0.7	2.7	4.3	3.5	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.2	2.5	0.5	4.5	8.4	3.9	2.4	1.7	1.4	4.6	
32 Pembuatan lain <i>Other manufacturing</i>	6.1	1.9	7.8	8.1	7.5	1.5	1.0	3.0	0.6	2.9	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.7	6.7	3.7	7.1	4.6	3.6	7.5	7.4	8.5	3.6	
Pembuatan	Jumlah Total	5.2	3.5	4.1	5.2	6.7	5.0	4.3	3.6	3.0	2.9

															(%)
2023	2024	2023												2024	
(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
8.5	5.0	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
8.7	5.0	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
5.9	6.5	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
4.0	-3.4	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
4.6	2.4	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
2.8	2.3	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
5.6	2.6	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
5.1	2.0	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
4.3	2.4	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
3.8	2.5	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
4.6	1.3	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
4.8	4.4	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
4.1	1.6	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
5.8	0.3	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
7.7	1.0	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
4.5	-2.9	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
5.0	1.1	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
6.2	1.8	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
3.3	4.7	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
2.8	4.5	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
3.3	1.5	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
3.7	7.4	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
2.8	-1.0	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
3.5	-0.3	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
0.8	-3.8	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
1.1	-1.5	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
2.3	1.5	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
0.7	2.0	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
3.2	3.7	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
0.2	-1.0	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
8.0	0.8	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
4.3	1.5	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

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		2022				2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		1.4	0.7	0.7	4.7	1.6	-0.1	1.9	5.1	
10	Pembuatan produk makanan <i>Manufacture of food products</i>	1.6	1.0	0.7	4.3	1.7	0.1	2.0	4.7	
11	Pembuatan minuman <i>Manufacture of beverages</i>	-2.4	-3.2	0.1	11.9	-1.4	-1.9	0.2	10.5	
12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	0.3	-14.9	0.5	21.1	0.9	-11.6	-2.6	17.1	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>		-0.3	-3.7	0.8	7.8	0.2	-1.4	-0.7	5.9	
13	Pembuatan tekstil <i>Manufacture of textiles</i>	-2.7	-1.2	2.2	3.8	-1.3	2.1	1.3	1.4	
14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	1.2	-5.6	0.4	11.3	0.3	-3.6	-1.9	9.1	
15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	0.8	-3.5	-0.9	6.9	3.2	-2.1	-1.6	6.2	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>		1.9	-2.5	-0.5	4.1	3.3	-2.4	0.3	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>	-0.6	-2.5	1.3	2.5	2.9	-2.2	2.3	2.3	
17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.2	-1.5	0.7	4.1	1.3	-4.5	0.6	4.4	
18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	5.3	-1.3	-3.2	6.1	3.4	1.1	-2.8	3.6	
31	Pembuatan perabot <i>Manufacture of furniture</i>	2.2	-4.4	-1.0	4.0	5.5	-4.0	0.7	4.4	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>		-0.4	2.9	1.9	0.2	0.3	-1.3	0.8	1.5	
19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	1.2	-15.4	8.5	8.3	8.2	-15.8	4.0	12.0	
20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	3.9	-4.2	1.6	2.3	4.9	-6.0	-0.7	1.7	
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-4.5	8.7	3.3	4.4	-10.7	4.6	3.5	5.4	
22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-2.7	10.4	0.9	-2.6	-2.8	4.2	0.7	-0.9	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>		1.2	-2.7	-0.9	4.7	2.1	-2.7	-0.3	5.0	
23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	0.4	2.0	0.5	3.1	-3.7	1.5	1.9	4.2	
24	Pembuatan logam asas <i>Manufacture of basic metals</i>	3.2	-5.8	-3.1	6.4	6.3	-6.2	-4.4	5.3	
25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	0.3	-3.9	-0.4	4.8	3.8	-3.2	0.9	5.4	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>		3.2	-2.5	0.1	6.2	-0.5	-1.8	-2.0	4.9	
26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	4.4	-1.6	-1.1	7.1	-0.6	-0.3	-3.7	6.2	
27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-0.1	-5.3	5.8	1.5	-0.4	-5.0	4.9	-2.0	
28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	1.0	-4.7	1.2	6.1	-0.1	-6.0	0.4	5.0	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>		0.1	0.2	-2.3	4.7	-0.1	1.3	-1.9	4.4	
29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-1.6	2.0	-3.1	5.0	-2.9	4.0	-1.6	4.2	
30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	6.7	-0.2	-2.6	0.2	5.1	-0.9	-2.9	3.5	
32	Pembuatan lain <i>Other manufacturing</i>	-1.6	-3.3	3.7	2.9	-2.0	-1.4	1.3	5.1	
33	Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1.0	-0.9	-5.8	9.8	4.8	-0.9	-4.8	4.8	
Pembuatan		Jumlah Total	1.4	-0.8	0.2	4.1	0.8	-1.4	-0.4	4.0

(%)

2023												2024	
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-3.3	-0.6	-1.1	0.2	1.0	-0.1	0.6	-0.02	3.3	0.3	0.1	7.4	-4.0	-4.1
-3.1	-0.6	-1.1	0.2	1.2	-0.1	0.7	-0.02	3.1	0.3	-0.1	7.4	-3.8	-4.2
-6.8	-2.6	-0.2	1.6	-3.3	-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8
-17.0	7.0	-3.6	-10.5	-1.3	-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8
-2.2	-5.0	0.8	0.3	0.7	-2.7	-0.2	0.1	3.1	-0.3	3.6	4.6	-2.1	-5.0
-0.6	-4.2	1.9	0.8	2.8	-1.2	0.2	1.1	0.9	-0.3	0.4	1.3	-1.0	-4.8
-4.3	-7.2	0.5	0.5	-0.9	-4.2	0.6	-1.1	4.0	-0.8	7.3	7.6	-3.2	-6.5
1.2	-0.3	-0.6	-1.4	0.6	-1.8	-3.4	1.7	5.3	1.2	0.1	2.4	-1.3	-0.8
1.1	-1.3	-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	0.8	-1.5	-1.0	0.2	-2.0	2.9	0.7	0.5	1.0	0.4	1.2	0.2	-1.1
-3.4	3.0	-2.0	-3.8	-0.8	0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0
0.8	-5.3	2.2	-0.3	3.4	-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1
5.6	-3.3	-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.002	-3.1
-4.1	-1.0	4.5	-3.1	-1.5	0.9	0.2	0.9	-0.4	0.3	-0.7	4.7	-4.1	-1.2
-4.7	-1.5	17.2	-24.6	-0.5	4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2
-3.1	0.5	3.7	-5.3	-6.1	2.6	1.1	-1.3	-1.3	0.8	-0.5	7.8	-4.3	0.9
-14.2	-5.5	0.5	9.7	-4.9	0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1
-3.8	-1.4	2.3	2.7	0.7	-0.4	0.2	1.5	-1.2	-0.8	0.3	0.2	-1.7	-2.2
-0.8	-1.9	-0.3	-2.5	1.9	-1.7	-0.9	0.4	2.5	0.3	0.5	7.3	-0.3	-2.6
-3.2	-5.1	1.7	-0.1	3.5	-0.4	-0.3	0.3	3.6	-0.1	1.2	3.3	-3.6	-3.3
1.0	-1.9	-1.2	-3.8	-0.1	-2.9	-2.9	-0.5	2.1	0.1	0.2	11.1	2.8	-3.5
-0.3	0.7	-1.1	-3.5	2.1	-1.9	0.0	1.2	2.0	0.8	0.2	7.9	0.2	-1.4
-8.2	1.6	-2.0	-2.2	2.3	-0.6	-4.2	1.6	2.5	-0.6	-0.3	10.3	-7.6	-0.1
-9.8	3.1	-1.6	-1.1	1.7	-0.9	-5.7	1.5	3.5	-0.6	0.3	11.1	-9.2	0.6
-3.3	-1.7	-2.8	-8.9	9.4	1.8	0.2	1.2	-1.0	-2.0	-3.2	7.4	-2.7	-2.1
-4.4	-2.1	-3.6	-2.1	-0.7	-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7
-5.8	1.1	-0.4	0.8	1.4	-1.7	-1.8	0.4	0.8	0.8	0.4	7.8	-7.4	0.9
-9.6	1.9	-2.5	3.9	1.9	-0.02	-3.0	1.1	0.2	0.6	-0.3	10.0	-10.0	1.1
1.7	2.0	5.4	-4.8	1.5	-3.5	-0.5	-2.3	3.0	2.1	-0.8	2.0	0.6	0.7
-7.4	-1.5	0.1	-2.8	4.3	-2.7	0.1	1.8	1.1	0.5	-0.1	9.9	-11.6	1.1
0.3	0.9	-0.3	1.8	-2.4	-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6
-4.4	-0.2	0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3

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	2022			
				Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	8,809	9,315	2,135	2,179	2,212	2,282
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,714	6,056	1,435	1,434	1,405	1,440
	10201 Pengetinan ikan, krustasea dan moluska						
	&						
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,391	5,670	1,354	1,359	1,324	1,353
	Industri lain	323	386	80	75	81	87
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,808	2,368	445	441	453	469
	10303 Pengetinan nanas						
	&						
	10304 Pembuatan jem, marmalad dan sajian jeli	357	564	75	77	99	104
	Industri lain	1,451	1,804	369	364	354	365
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	190,130	168,839	37,522	53,117	49,670	49,822
	10404 Pembuatan minyak sayuran mentah dan bertapis						
	&						
	10406 Pembuatan sebatian lemak masakan	20,492	20,650	4,070	5,239	5,949	5,234
	10405 Pembuatan minyak kelapa	1,536	1,231	372	359	410	395
	Industri lain	168,102	146,958	33,080	47,518	43,311	44,193
105	Pembuatan produk tenusu	12,117	12,107	2,942	3,036	3,090	3,049
	10502 Pembuatan susu pekat, tepung dan sejat	11,313	11,271	2,739	2,842	2,880	2,852
	Industri lain	804	836	203	194	210	197
106	Pembuatan produk bijian, kanji dan produk berkanji	10,613	11,151	2,516	2,775	2,606	2,716
	10611 Pengilangan beras	5,201	5,367	1,189	1,403	1,300	1,308
	10613 Pengilangan tepung	5,075	5,460	1,248	1,291	1,225	1,312
	Industri lain	336	324	78	81	81	97
107	Pembuatan produk makanan lain	58,413	63,250	14,013	14,682	14,869	14,849
	10711 Pembuatan biskut dan cookies	3,287	4,043	797	846	797	847
	10712 Pembuatan roti, kek dan produk bakeri lain	12,482	13,821	2,875	3,258	3,255	3,094
	10713 Pembuatan produk snek	2,830	3,309	692	723	684	732
	10721 Pembuatan gula	5,200	6,114	1,370	1,298	1,252	1,279
	10731 Pembuatan produk koko	3,402	3,612	864	807	847	885
	10732 Pembuatan coklat dan produk coklat						
	&						
	10733 Pembuatan konfeksi gula	14,094	13,784	3,382	3,618	3,606	3,488
	10793 Pembuatan sos dan bahan perasa	2,267	2,437	590	561	539	578
	10799 Pembuatan produk makanan lain t.t.t.l.	6,300	6,636	1,433	1,497	1,652	1,718
	Industri lain	8,552	9,493	2,011	2,074	2,238	2,228
108/ 10800	Pembuatan makanan haiwan tersedia	16,492	19,358	3,619	4,298	4,347	4,228
110	Pembuatan minuman ringan	12,717	13,055	3,198	3,034	3,237	3,248
	11041 Pembuatan minuman ringan	6,725	7,141	1,739	1,564	1,650	1,772
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,350	1,400	347	334	345	324
	Industri lain	4,643	4,514	1,113	1,137	1,242	1,151
120/ 12000	Pembuatan produk tembakau	3,410	4,010	1,018	785	681	926
131	Pemintalan, penenunan dan penyiapan tekstil	6,520	5,716	1,679	1,629	1,586	1,626
	13110 Penyediaan dan pemintalan gentian tekstil						
	&						
	13120 Penenunan tekstil	4,842	4,266	1,254	1,202	1,171	1,215
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,625	1,413	412	413	401	399
	Industri lain	53	37	14	13	14	12
139	Pembuatan tekstil lain	5,132	5,688	1,279	1,272	1,260	1,321
	13910 Pembuatan fabrik dikait dan dikrusye	2,306	2,264	587	574	559	586
	Industri lain	2,825	3,424	692	698	701	735
141	Pembuatan pakaian, kecuali pakaian berbulu	8,945	9,388	2,353	2,118	2,124	2,350
	14102 Pembuatan pakaian	7,847	8,293	2,041	1,843	1,881	2,081
	Industri lain	1,098	1,095	312	275	242	269
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	408	485	103	92	100	112
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,857	1,997	477	387	441	551
152	Pembuatan kasut	781	879	202	181	189	209
	15201 Pembuatan kasut kulit						
	&						
	15203 Pembuatan kasut getah	498	578	122	108	129	140
	Industri lain	282	301	81	73	60	69
161/ 16100	Pengilangan dan pengetaman kayu	6,672	6,495	1,933	1,334	1,581	1,825

(RM Juta/Million)

2023		2023		2024		Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
2,269	2,393	2,327	2,326	1,505	1,598	Processing and preserving of meat
1,450	1,487	1,552	1,568	969	1,004	Processing and preserving of fish, crustaceans and molluscs
1,357	1,392	1,458	1,463	907	934	Canning of fish, crustaceans and molluscs
93	94	94	105	61	71	Processing, curing and preserving of fish, crustacean and molluscs
517	600	620	630	325	426	Other industry
113	145	150	156	70	101	Processing and preserving of fruits and vegetable
404	455	470	474	255	325	Pineapple canning
39,293	39,599	42,807	47,140	27,045	28,016	Manufacture of jams, marmalades and table jellies
4,976	5,227	5,286	5,162	3,269	3,439	Other industry
315	271	307	338	222	247	Manufacture of vegetable and animal oils and fats
34,003	34,101	37,214	41,640	23,554	24,329	Manufacture of crude and refined vegetable oil
3,056	3,180	2,933	2,938	1,976	1,859	Manufacture of compound cooking fats
2,871	2,982	2,707	2,710	1,851	1,701	Manufacture of coconut oil
184	199	226	227	125	158	Other industry
2,757	2,802	2,767	2,824	1,802	1,898	Manufacture of dairy products
1,340	1,388	1,321	1,317	870	874	Manufacture of condensed, powdered and evaporated milk
1,334	1,337	1,366	1,423	877	966	Other industry
83	77	79	84	56	58	Manufacture of grain mill products, starches and starch products
14,981	15,669	15,954	16,646	9,897	10,956	Rice milling
839	952	1,060	1,193	551	702	Flour milling
3,403	3,608	3,495	3,315	2,240	2,276	Other industry
698	797	859	955	443	639	Manufacture of other food products
1,271	1,475	1,609	1,759	846	1,074	Manufacture of biscuits and cookies
903	869	887	953	623	745	Manufacture of bread, cakes and other bakery products
3,441	3,448	3,365	3,531	2,292	2,291	Manufacture of snack products
569	575	621	672	370	444	Manufacture of sugar
1,610	1,582	1,631	1,813	1,061	1,132	Manufacture of cocoa products
2,247	2,364	2,427	2,455	1,472	1,655	Manufacture of chocolate and chocolate products
4,349	4,993	5,139	4,876	2,832	3,058	Manufacture of sugar confectionery
3,204	3,131	3,284	3,436	2,090	2,165	Manufacture of sauces and condiments
1,695	1,676	1,839	1,931	1,092	1,220	Manufacture of other food products n.e.c.
334	345	372	349	214	223	Other industry
1,174	1,111	1,073	1,156	784	722	Manufacture of prepared animal feeds
1,196	996	807	1,010	743	817	Manufacture of soft drinks
1,481	1,486	1,383	1,365	975	995	Production of natural mineral waters and other bottled waters
1,147	1,138	1,012	968	757	716	Other industry
324	338	362	389	211	273	Manufacture of tobacco products
11	9	9	8	7	6	Spinning, weaving and finishing of textiles
1,415	1,380	1,387	1,506	946	1,093	Preparation and spinning of textile fibres
584	569	546	565	389	411	Weaving of textiles
831	811	841	941	557	682	Dyeing, bleaching, printing and finishing of yarns and fabrics
2,410	2,263	2,276	2,439	1,606	1,636	Other industry
2,096	2,009	2,029	2,159	1,407	1,428	Manufacture of other textiles
314	254	247	280	199	207	Manufacture of knitted and crocheted fabrics
123	111	115	136	81	98	Other industry
508	439	466	584	335	357	Manufacture of wearing apparel, except fur apparel
215	210	215	240	143	156	Manufacture of clothings
138	135	143	163	92	105	Other industry
77	75	72	77	50	51	Manufacture of articles of fur, knitted and crocheted apparel
1,965	1,378	1,458	1,694	1,248	1,139	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 planing 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
101	Pemprosesan dan pengawetan daging	733	772	765	802	803	789
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	512	457	481	466	524	496
10201 & 10202	Pengetinan ikan, krustasea dan moluska	482	426	449	436	491	465
	Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	30	31	32	30	33	31
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	160	165	192	187	202	210
10303 & 10304	Pengetinan nanas	34	36	43	41	49	55
	Pembuatan jem, marmalad dan sajian jeli Industri lain	126	129	149	147	153	155
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	13,900	13,145	12,248	12,871	13,339	13,388
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	1,582	1,687	1,707	1,711	1,821	1,695
10405	Pembuatan sebatian lemak masakan	119	103	93	82	103	86
	Pembuatan minyak kelapa Industri lain	12,199	11,355	10,449	11,078	11,415	11,607
105	Pembuatan produk tenusu	975	1,001	1,080	1,068	1,091	1,022
10502	Pembuatan susu pekat, tepung dan sejat Industri lain	908	943	1,020	1,007	1,023	952
		67	58	60	61	67	70
106	Pembuatan produk bijian, kanji dan produk berkanji	872	931	955	936	970	896
10611 & 10613	Pengilangan beras	400	470	470	468	493	426
	Pengilangan tepung Industri lain	443	434	457	441	451	445
		29	27	27	26	26	25
107	Pembuatan produk makanan lain	4,918	4,979	5,084	4,976	5,442	5,252
10711 & 10712	Pembuatan biskut dan cookies	265	286	288	288	333	331
10713	Pembuatan roti, kek dan produk bakeri lain	1,146	1,094	1,163	1,108	1,265	1,234
10721	Pembuatan produk snek	218	225	255	251	277	268
10731	Pembuatan gula	417	429	425	425	502	548
10732	Pembuatan produk koko	295	328	280	280	309	280
10732 & 10733	Pembuatan coklat dan produk coklat	1,156	1,136	1,148	1,136	1,214	1,098
10793	Pembuatan konfeksi gula	176	194	199	203	177	195
10799	Pembuatan sos dan bahan perasa	521	539	549	528	551	503
	Pembuatan produk makanan lain t.t.t.l. Industri lain	724	748	775	757	814	794
108/10800	Pembuatan makanan haiwan tersedia	1,400	1,432	1,518	1,616	1,698	1,680
110	Pembuatan minuman ringan	1,047	1,043	1,114	1,118	1,049	964
11041 & 11042	Pembuatan minuman ringan	537	556	603	606	543	527
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	101	113	121	121	115	108
		410	374	390	391	391	329
120/12000	Pembuatan produk tembakau	394	349	452	359	376	262
131	Pemintalan, penenunan dan penyiapan tekstil	510	465	506	486	510	490
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	397	360	390	376	398	365
13132	Penenunan tekstil	110	101	113	107	109	122
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4	3	3	3	3	3
139	Pembuatan tekstil lain	473	473	469	459	459	462
13910	Pembuatan fabrik dikait dan dikrusye Industri lain	194	195	195	190	189	190
		279	278	274	269	270	272
141	Pembuatan pakaian, kecuali pakaian berbulu	800	806	804	761	769	733
14102	Pembuatan pakaian Industri lain	704	703	689	674	685	650
		97	102	115	87	84	83
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	39	41	42	37	37	37
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
152	Pembuatan kasut	74	69	72	73	70	67
15201 & 15203	Pembuatan kasut kulit	49	44	46	46	45	44
	Pembuatan kasut getah Industri lain	25	25	27	26	25	23
161/16100	Pengilangan dan pengetaman kayu	618	631	716	560	452	366

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
760	782	784	784	797	745	789	810	Processing and preserving of meat
520	514	518	534	526	508	531	474	Processing and preserving of fish, crustaceans and molluscs
491	483	483	500	490	473	495	439	Canning of fish, crustaceans and molluscs
29	31	34	34	35	35	36	35	Processing, curing and preserving of fish, crustacean and molluscs
204	201	215	212	215	204	221	206	Processing and preserving of fruits and vegetable
50	48	52	54	53	49	52	49	Pineapple canning
154	153	163	158	161	155	169	156	Manufacture of jams, marmalades and table jellies
12,867	13,984	15,956	16,104	15,540	15,496	15,661	12,355	Manufacture of vegetable and animal oils and fats
1,671	1,780	1,834	1,792	1,628	1,741	1,836	1,604	Manufacture of crude and refined vegetable oil
95	105	107	117	100	121	120	127	Manufacture of compound cooking fats
11,100	12,098	14,016	14,195	13,811	13,634	13,705	10,625	Manufacture of coconut oil
951	1,008	974	997	1,014	927	927	932	Manufacture of dairy products
880	933	895	918	938	854	845	856	Manufacture of condensed, powdered and evaporated milk
71	75	79	79	76	72	82	76	Other industry
891	919	957	953	944	927	981	917	Manufacture of grain mill products, starches and starch products
427	437	457	448	435	435	450	424	Rice milling
438	456	472	477	482	465	501	465	Flour milling
26	25	28	28	28	28	30	28	Other industry
5,151	5,362	5,441	5,530	5,633	5,483	5,573	5,383	Manufacture of other food products
351	353	356	384	410	399	368	334	Manufacture of biscuits and cookies
1,181	1,212	1,103	1,110	1,111	1,094	1,173	1,103	Manufacture of bread, cakes and other bakery products
265	289	305	309	327	319	339	300	Manufacture of snack products
507	529	572	592	605	562	535	539	Manufacture of sugar
296	295	296	321	320	313	370	375	Manufacture of cocoa products
1,071	1,135	1,159	1,155	1,204	1,172	1,143	1,148	Manufacture of chocolate and chocolate products
190	208	223	223	223	226	225	219	Manufacture of sugar confectionery
498	542	592	609	614	590	577	555	Manufacture of sauces and condiments
792	799	836	828	820	807	843	812	Manufacture of other food products n.e.c.
1,712	1,711	1,717	1,729	1,668	1,479	1,538	1,521	Manufacture of prepared animal feeds
1,065	1,124	1,095	1,231	1,117	1,089	1,115	1,050	Manufacture of beverages
633	619	587	685	616	630	628	592	Manufacture of soft drinks
119	127	126	123	117	109	109	114	Production of natural mineral waters and other bottled waters
313	377	383	423	384	350	379	343	Other industry
258	286	263	350	338	322	410	407	Manufacture of tobacco products
470	478	435	444	458	463	519	476	Spinning, weaving and finishing of textiles
352	352	308	310	325	333	375	341	Preparation and spinning of textile fibres
115	123	124	131	131	127	141	132	Weaving of textiles
3	3	3	3	3	2	3	3	Dyeing, bleaching, printing and finishing of yarns and fabrics
455	462	469	493	510	502	552	542	Manufacture of other textiles
181	184	180	187	191	188	206	205	Manufacture of knitted and crocheted fabrics
274	278	289	306	319	315	345	337	Other industry
774	746	756	786	845	809	850	785	Manufacture of wearing apparel, except fur apparel
693	668	668	694	747	718	748	680	Manufacture of clothings
81	78	89	91	98	91	102	105	Other industry
36	35	43	46	48	43	49	49	Manufacture of articles of fur, knitted and crocheted apparel
140	154	172	190	206	187	182	176	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
69	75	71	77	81	81	82	74	Manufacture of footwear
45	50	48	52	55	55	56	49	Manufacture of leather footwear
24	25	23	25	26	26	26	25	Manufacture of rubber footwear
382	555	522	583	564	547	606	534	Sawmilling and planing 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	2022			
				Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	19,222	18,113	5,871	3,758	4,191	5,402
16211	Pembuatan kepingan venier dan papan lapis	9,087	9,198	2,821	1,705	1,903	2,659
16212	Pembuatan papan partikel dan papan gentian	5,885	5,112	1,758	1,169	1,329	1,629
16221	Pertukangan kayu untuk jurubina	2,156	2,034	652	431	470	604
	Industri lain	2,094	1,769	640	454	489	511
170	Pembuatan kertas dan produk kertas	28,260	29,883	6,810	7,041	7,246	7,163
17010	Pembuatan pulpa, kertas dan kertas tebal	5,903	5,677	1,494	1,444	1,475	1,489
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10,746	10,374	2,493	2,684	2,803	2,767
17091	Pembuatan sampul surat dan kad surat	374	375	79	86	102	107
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,998	6,791	1,523	1,515	1,490	1,470
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3,284	3,906	735	835	888	826
	Industri lain	1,955	2,760	486	476	488	505
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13,709	14,526	3,547	3,273	3,216	3,673
18110	Percetakan	10,953	11,353	2,919	2,646	2,577	2,812
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	2,756	3,172	628	628	639	861
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	249,901	224,749	45,669	60,286	75,616	68,330
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	74,078	68,175	20,084	17,918	18,339	17,737
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,036	1,706	333	536	577	590
20112 & 20113	Pembuatan kimia organik asas	38,698	34,217	10,674	9,021	9,784	9,219
20121 & 20129	Pembuatan sebatian bukan organik	5,859	4,778	1,669	1,464	1,387	1,339
20131	Pembuatan produk campuran nitrogen	21,813	22,266	6,104	5,562	4,997	5,150
	Pembuatan plastik dalam bentuk primer	5,671	5,208	1,304	1,334	1,595	1,438
	Industri lain						
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	37,507	44,200	8,940	8,694	9,643	10,230
20210	Pembuatan racun perosak dan produk agrokimia lain	4,109	5,078	1,047	920	930	1,212
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,181	13,718	2,629	2,464	2,479	2,609
20222	Pembuatan dakwat cetak	1,149	1,107	296	293	278	282
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap	13,833	15,295	3,126	3,138	3,838	3,731
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri						
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	7,509	8,240	1,689	1,715	1,905	2,199
20292 & 20299	Pembuatan dakwat menulis dan melukis						
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	726	762	152	165	212	197
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10,181	10,708	2,412	2,501	2,695	2,573
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	8,413	8,789	2,022	2,092	2,223	2,076
	Industri lain	1,768	1,919	390	409	472	498
221	Pembuatan produk getah	65,736	59,737	16,499	18,756	15,766	14,715
22111	Pembuatan tayar getah untuk kenderaan	4,203	2,600	1,275	1,222	954	753
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	682	867	162	168	179	174
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	7,313	6,074	1,644	1,996	1,918	1,755
22193	Pengilangan semula getah dan prosesan susu getah						
2024	Pembuatan sarung tangan getah	46,911	44,199	11,813	13,687	11,021	10,391
	Pembuatan produk getah lain yang t.t.t.l.	6,626	5,997	1,606	1,684	1,693	1,642
222	Pembuatan produk plastik	61,804	61,440	14,652	16,028	15,866	15,258
22201 & 22202	Pembuatan produk plastik separa siap	16,740	15,859	3,949	4,554	4,314	3,923
22203	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	21,473	21,068	4,569	5,526	5,751	5,627
22204	Pembuatan barangan plastik jurubina	2,163	3,053	486	568	577	532
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7,037	7,594	1,584	1,784	1,880	1,789
22209	Pembuatan pelbagai produk plastik t.t.t.l.	14,390	13,866	4,065	3,595	3,343	3,387
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,410	5,230	1,483	1,331	1,263	1,333

(RM Juta/Million)

2023		2023		2024		Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
5,538	3,598	3,895	5,082	3,647	3,633	Manufacture of products of wood, cork, straw and plaiting materials
2,846	1,779	1,939	2,634	1,877	1,899	Manufacture of veneer sheets and plywood
1,543	1,046	1,110	1,413	1,004	1,000	Manufacture of particle board and fibreboard
621	394	449	570	418	402	Manufacture of builders' carpentry
527	380	396	465	349	332	Other industry
7,561	7,377	7,381	7,564	4,922	5,116	Manufacture of paper and paper products
1,471	1,339	1,387	1,479	1,010	1,025	Manufacture of pulp, paper and paperboard
2,688	2,527	2,531	2,629	1,746	1,625	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
102	95	90	88	67	58	Manufacture of envelopes and letter-card
1,740	1,725	1,689	1,638	1,106	1,130	Manufacture of household and personal hygiene paper
941	1,019	963	983	591	740	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
618	672	722	748	402	538	Other industry
3,812	3,452	3,457	3,804	2,546	2,638	Printing, service activities related to printing and reproduction of recorded media
2,899	2,677	2,737	3,041	1,917	2,116	Printing
913	776	720	764	629	522	Service activities related to printing
						Reproduction of recorded media
55,680	56,542	58,478	54,050	38,401	32,380	Manufacture of refined petroleum products
18,784	16,292	16,825	16,274	12,352	11,483	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
529	385	367	424	375	286	Manufacture of liquefied or compressed inorganic industrial or medical gases
						Manufacture of basic organic chemicals
9,870	7,970	8,360	8,018	6,518	5,950	Manufacture of inorganic compounds
						Manufacture of fertilizers
1,417	1,241	1,108	1,013	940	562	Manufacture of associated nitrogen products
5,553	5,399	5,713	5,600	3,578	3,791	Manufacture of plastics in primary forms
1,415	1,298	1,276	1,220	941	893	Other industry
10,849	10,495	11,343	11,514	7,077	8,218	Manufacture of other chemical products and man-made fibres
1,246	1,209	1,327	1,295	823	885	Manufacture of pesticides and other agrochemical products
3,126	3,314	3,611	3,668	1,966	2,800	Manufacture of paints, varnishes and similar coatings ink and mastics
293	281	276	257	197	207	Manufacture of printing ink
						Manufacture of soap and detergents, cleaning and polishing preparations
3,845	3,646	3,965	3,838	2,488	2,770	Manufacture of perfumes and toilet preparations
						Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
2,128	1,885	1,992	2,235	1,466	1,431	Manufacture of writing and drawing ink
						Manufacture of other chemical products n.e.c.
210	161	171	221	137	125	Other industry
2,702	2,629	2,714	2,663	1,760	1,847	Manufacture of pharmaceuticals, medicinal chemical and botanical products
						Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
2,218	2,186	2,206	2,180	1,445	1,498	
484	443	508	484	316	349	Other industry
14,721	16,387	14,416	14,213	8,814	9,359	Manufacture of rubber products
747	694	620	540	493	342	Manufacture of rubber tyres for vehicles
210	213	216	228	132	143	Manufacture of interchangeable tyre treads and retreading rubber tyres
						Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
1,504	1,475	1,448	1,647	972	1,045	Rubber remilling and latex processing
10,824	12,555	10,591	10,229	6,283	6,775	Manufacture of rubber gloves
1,436	1,449	1,541	1,570	933	1,054	Manufacture of other rubber products n.e.c.
14,170	15,832	15,778	15,660	9,069	9,680	Manufacture of plastics products
						Manufacture of semi-manufactures of plastic products
3,823	4,204	3,996	3,836	2,450	2,395	Manufacture of finished plastic products
4,817	5,424	5,431	5,395	3,119	3,337	Manufacture of plastic articles for the packing of goods
622	760	839	832	362	489	Manufacture of builders' plastics ware
1,718	2,136	1,970	1,770	1,067	1,091	Manufacture of plastic tableware, kitchenware and toilet articles
3,190	3,308	3,542	3,826	2,070	2,368	Manufacture of diverse plastic products n.e.c.
1,412	1,304	1,212	1,303	928	992	Manufacture of glass and glass products

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
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,862	1,784	1,891	1,466	1,159	972
16211	Pembuatan kepingan venier dan papan lapis	960	917	969	741	569	468
16212	Pembuatan papan partikel dan papan gentian	505	498	540	419	344	282
16221	Pertukangan kayu untuk jurubina	221	196	203	156	125	114
	Industri lain	176	173	179	151	121	108
170	Pembuatan kertas dan produk kertas	2,418	2,505	2,639	2,584	2,437	2,356
17010	Pembuatan pulpa, kertas dan kertas tebal	498	512	461	458	467	414
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	868	878	942	888	845	794
17091	Pembuatan sampul surat dan kad surat	36	31	35	33	31	31
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	540	566	634	616	566	543
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	282	309	350	369	298	351
	Industri lain	193	209	216	219	230	223
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,262	1,284	1,266	1,189	1,132	1,131
	18110 Percetakan	948	969	982	923	875	879
	18120 Aktiviti perkhidmatan berkaitan percetakan &						
	18200 Penerbitan semula media rakaman	314	315	284	266	257	252
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	21,738	16,662	17,279	18,063	19,413	19,065
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
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	198	177	154	132	137	116
20112 & 20113	Pembuatan kimia organik asas	3,255	3,264	3,351	2,778	2,602	2,590
20113	Pembuatan sebatian bukan organik						
20121 & 20129	Pembuatan baja	485	455	477	425	463	353
20129	Pembuatan produk campuran nitrogen						
20131	Pembuatan plastik dalam bentuk primer	1,774	1,804	1,975	1,676	1,874	1,850
	Industri lain	473	468	474	434	435	429
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3,618	3,460	3,771	3,282	3,591	3,622
20210	Pembuatan racun perosak dan produk agrokimia lain	435	389	423	394	378	436
20221	Pembuatan cat, varnis dan penyadur dan mastik	982	984	1,160	999	1,153	1,163
20222	Pembuatan dakwat cetak	101	96	96	90	95	95
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	1,245	1,244	1,357	1,120	1,270	1,255
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	785	681	662	618	643	624
20292 & 20299	Pembuatan dakwat menulis dan melukis						
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	71	66	72	60	53	48
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	875	885	942	898	821	910
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	719	725	774	756	682	748
	Industri lain	156	159	168	142	139	162
221	Pembuatan produk getah	4,562	4,251	5,907	5,670	5,446	5,270
22111	Pembuatan tayar getah untuk kenderaan	254	239	254	226	239	229
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	71	78	68	73	72
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	509	463	531	490	497	488
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
22199	Pembuatan produk getah lain yang t.t.t.l.	479	454	503	483	470	497
222	Pembuatan produk plastik	4,539	4,530	5,101	5,306	5,533	4,993
22201 & 22202	Pembuatan produk plastik separa siap	1,210	1,240	1,373	1,371	1,464	1,368
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,565	1,555	1,698	1,799	1,921	1,703
22204	Pembuatan barangan plastik jurubina	162	201	260	254	264	241
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	560	507	651	721	714	702
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,043	1,028	1,120	1,161	1,169	978
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	474	454	484	447	445	412

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
970	1,370	1,555	1,728	1,697	1,657	1,876	1,757	Manufacture of products of wood, cork, straw and plaiting materials
460	672	807	906	886	842	969	930	Manufacture of veneer sheets and plywood
282	386	442	470	465	477	531	470	Manufacture of particle board and fibreboard
122	168	159	196	193	181	201	201	Manufacture of builders' carpentry
106	144	146	156	153	157	175	157	Other industry
2,354	2,495	2,533	2,531	2,534	2,499	2,579	2,537	Manufacture of paper and paper products
417	478	492	502	488	489	507	519	Manufacture of pulp, paper and paperboard
806	839	886	889	879	861	863	762	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
30	30	30	30	29	29	30	28	Manufacture of envelopes and letter-card
540	587	562	540	559	539	555	574	Manufacture of household and personal hygiene paper
327	317	319	327	323	333	352	388	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
233	244	245	242	255	250	272	266	Other industry
1,143	1,148	1,165	1,151	1,341	1,312	1,321	1,316	Printing, service activities related to printing and reproduction of recorded media
899	904	934	910	1,081	1,050	1,059	1,056	Printing
245	244	231	242	260	262	262	260	Service activities related to printing
								Reproduction of recorded media
18,598	20,301	19,579	19,927	18,597	15,525	17,176	15,204	Manufacture of refined petroleum products
5,404	5,980	5,440	5,289	5,472	5,513	5,877	5,607	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
128	124	115	126	156	143	144	143	Manufacture of liquefied or compressed inorganic industrial or medical gases
2,646	3,017	2,697	2,494	2,724	2,799	3,011	2,939	Manufacture of basic organic chemicals
								Manufacture of inorganic compounds
349	402	357	359	339	315	290	272	Manufacture of fertilizers
1,863	1,987	1,863	1,889	1,856	1,855	1,962	1,829	Manufacture of associated nitrogen products
419	451	407	422	396	401	470	423	Manufacture of plastics in primary forms
								Other industry
3,665	3,860	3,818	3,789	3,826	3,899	4,446	3,772	Manufacture of other chemical products and man-made fibres
435	452	441	463	432	400	448	436	Manufacture of pesticides and other agrochemical products
1,143	1,250	1,218	1,195	1,189	1,284	1,515	1,285	Manufacture of paints, varnishes and similar coatings ink and mastics
96	95	85	77	91	89	110	98	Manufacture of printing ink
1,305	1,377	1,284	1,246	1,282	1,310	1,539	1,231	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
627	641	725	742	758	735	768	663	Manufacture of writing and drawing ink
								Manufacture of other chemical products n.e.c.
60	45	66	66	75	80	65	59	Other industry
885	905	925	933	871	859	904	942	Manufacture of pharmaceuticals, medicinal chemical and botanical products
717	737	752	756	720	703	730	768	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
167	168	173	176	152	155	174	175	Other industry
5,092	4,577	4,748	4,914	4,733	4,566	4,890	4,468	Manufacture of rubber products
224	201	195	203	170	167	177	165	Manufacture of rubber tyres for vehicles
68	70	78	79	77	72	75	68	Manufacture of interchangeable tyre treads and retreading rubber tyres
496	473	479	542	553	552	552	492	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
								Rubber remilling and latex processing
3,782	3,332	3,478	3,569	3,412	3,248	3,527	3,248	Manufacture of rubber gloves
522	501	518	522	521	527	559	495	Manufacture of other rubber products n.e.c.
5,287	5,263	5,229	5,212	5,265	5,183	4,937	4,742	Manufacture of plastics products
								Manufacture of semi-manufactures of plastic products
1,358	1,302	1,336	1,310	1,264	1,262	1,234	1,161	Manufacture of finished plastic products
1,842	1,803	1,786	1,786	1,838	1,771	1,680	1,657	Manufacture of plastic articles for the packing of goods
276	279	284	279	294	259	248	241	Manufacture of builders' plastics ware
676	664	631	634	562	573	564	527	Manufacture of plastic tableware, kitchenware and toilet articles
1,134	1,215	1,193	1,202	1,308	1,317	1,212	1,156	Manufacture of diverse plastic products n.e.c.
419	417	376	386	449	467	506	486	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	2022			
				Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	43,875	47,547	11,706	10,490	10,435	11,243
23911 & 23921	Pembuatan mortar refraktori dan konkrit	2,277	2,458	680	519	511	568
23930	Pembuatan produk porselin dan seramik lain	1,089	1,012	269	283	273	263
23941	Pembuatan simen hidrolik	10,925	12,283	2,768	2,612	2,609	2,936
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8,191	8,934	2,122	1,967	1,987	2,115
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	4,294	3,675	3,619	3,872
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4,414	4,620	1,147	1,071	1,079	1,117
	Industri lain	1,518	1,653	426	361	358	373
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	29,018	30,976	7,764	6,323	6,804	8,127
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	24,571	24,813	6,647	5,507	5,545	6,873
243	Pengacuan logam	620	667	148	157	147	168
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	28,731	32,069	7,616	6,987	6,719	7,409
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	20,096	22,561	5,581	4,850	4,582	5,084
25120	Pembuatan produk struktur logam lain						
	Pembuatan tangki, takungan dan kontena daripada logam	7,862	8,681	1,841	1,963	1,939	2,119
	Industri lain	773	827	194	174	199	206
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	35,818	38,167	9,091	9,123	8,413	9,191
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5,194	5,470	1,247	1,273	1,313	1,360
25920	Rawatan dan penyalutan logam; menggunakan mesin	3,556	4,010	834	851	863	1,008
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	5,846	6,221	1,576	1,421	1,435	1,415
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	12,166	11,949	3,418	3,273	2,591	2,884
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25999	Pembuatan barangan rumah daripada logam	260	294	62	63	68	67
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7,898	8,930	1,732	2,033	1,929	2,204
	Industri lain	899	1,293	221	210	215	253
261	Pembuatan komponen dan papan elektronik	346,163	354,760	78,482	80,304	93,471	93,905
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	206,533	200,443	49,034	48,639	54,376	54,483
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik						
26109	Pembuatan papan litur bercetak	128,538	139,308	27,015	29,057	36,179	36,288
	Pembuatan komponen paparan						
	Pembuatan komponen lain untuk aplikasi elektronik	11,092	15,010	2,434	2,608	2,916	3,134
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	50,499	51,617	13,161	14,670	10,793	11,874
263/ 26300	Pembuatan peralatan komunikasi	14,515	20,566	3,645	3,500	3,542	3,828
264/ 26400	Pembuatan peralatan elektronik pengguna	42,850	42,208	11,003	10,095	11,235	10,516
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	18,336	18,911	4,424	3,915	4,894	5,103
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	16,116	16,835	3,944	3,372	4,297	4,503
26520	Pembuatan kelengkapan kawalan proses perindustrian						
	Pembuatan jam tangan dan jam dan bahagiannya	2,220	2,076	480	543	597	600
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	5,147	5,382	996	1,307	1,398	1,446

2023		2023		2024		Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
12,693	11,322	11,373	12,159	8,334	9,018	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
629	588	602	639	411	442	Manufacture of non-refractory ceramic
262	243	246	261	181	155	Manufacture of other porcelain and ceramic products
3,383	2,970	2,873	3,057	2,221	2,253	Manufacture of hydraulic cement
2,404	2,138	2,148	2,243	1,584	1,662	Manufacture of ready-mix and dry-mix concrete and mortars
						Manufacture of precast concrete, cement or artificial stone articles for use in construction
4,325	3,901	4,011	4,349	2,830	3,371	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.
1,242	1,062	1,102	1,214	815	856	Manufacture of other non-metallic mineral products n.e.c.
449	419	391	395	292	279	Other industry
8,308	6,719	7,201	8,748	5,396	5,770	Manufacture of basic iron and steel
6,819	5,533	5,476	6,986	4,492	4,448	Manufacture of basic precious and other non-ferrous metals
157	166	168	177	103	125	Casting of metals
8,155	8,090	7,579	8,244	5,402	6,069	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
5,823	5,770	5,266	5,702	3,883	4,323	Manufacture of metal doors, windows and their frames, shutters and gates
2,106	2,113	2,113	2,349	1,369	1,616	Manufacture of other structural metal products
226	207	200	193	150	129	Manufacture of tanks, reservoirs and containers of metal
						Other industry
9,607	9,275	9,153	10,132	6,493	7,103	Manufacture of other fabricated metal products; metal working service activities
1,347	1,350	1,370	1,404	890	921	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
1,117	942	881	1,070	793	845	Treatment and coating of metals; machining
1,467	1,461	1,563	1,730	980	1,215	Manufacture of tins and cans for food products, collapsible tubes and boxes
						Manufacture of metal cable, plaited bands and similar articles
3,078	2,970	2,814	3,086	2,079	2,261	Manufacture of bolts, screws, nuts and similar threaded products
73	72	73	76	49	56	Manufacture of metal household articles
2,217	2,176	2,125	2,412	1,500	1,567	Manufacture of any other fabricated metal products n.e.c.
308	305	327	353	202	238	Other industry
91,403	86,283	92,043	85,031	56,559	54,951	Manufacture of electronic components and boards
						Manufacture of diodes, transistors and similar semiconductor devices
51,831	47,614	53,011	47,987	31,940	30,457	Manufacture of electronic integrated circuits micro assemblies
						Manufacture of electrical capacitors and resistors
36,755	35,195	34,826	32,532	22,867	21,186	Manufacture of printed circuit boards
						Manufacture of display components
2,817	3,475	4,205	4,513	1,752	3,309	Manufacture of other components for electronic applications
12,823	14,482	11,940	12,372	8,655	10,100	Manufacture of computers and peripheral equipment
4,038	5,251	6,011	5,266	2,432	3,409	Manufacture of communication equipment
9,986	9,727	11,729	10,766	6,212	6,229	Manufacture of consumer electronics
4,552	3,959	4,897	5,503	2,970	3,340	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
						Manufacture of measuring, testing, navigating and control equipment
4,103	3,521	4,315	4,895	2,671	3,016	Manufacture of industrial process control equipment
448	438	582	608	299	324	Manufacture of watches and clocks and parts
1,273	1,203	1,334	1,572	805	1,070	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
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	4,113	4,221	4,359	3,934	3,686	3,702
23911 & 23921	Pembuatan mortar refraktori dan konkrit	202	210	217	198	198	193
23930	Pembuatan produk porselin dan seramik lain	93	88	81	81	83	80
23941	Pembuatan simen hidrolik	1,109	1,113	1,161	1,061	951	957
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	782	802	820	718	709	711
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
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	387	428	427	373	350	340
	Industri lain	148	144	157	144	140	135
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,654	2,742	2,912	2,441	2,174	2,104
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
243	Pengacuan logam	52	51	54	55	54	57
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
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
25120	Pembuatan produk struktur logam lain						
	Pembuatan tangki, takungan dan kontena daripada logam	749	620	736	725	677	711
	Industri lain	77	73	76	68	69	70
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
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	451	439	457	455	445	450
25920	Rawatan dan penyalutan logam; menggunakan mesin	405	389	324	329	305	307
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	487	494	487	482	488	491
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,029	1,050	1,000	994	998	978
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25999	Pembuatan barangan rumah daripada logam	25	24	24	25	24	23
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	741	759	717	808	695	673
	Industri lain	101	101	106	108	102	95
261	Pembuatan komponen dan papan elektronik	26,192	30,366	34,845	27,463	27,561	31,258
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	15,208	16,733	19,891	14,665	15,171	17,778
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro						
26105	Pembuatan kapasitor dan perintang elektrik	10,127	12,740	13,888	11,764	11,262	12,169
26109	Pembuatan papan litar bercetak						
	Pembuatan komponen paparan	858	894	1,065	1,035	1,129	1,311
	Pembuatan komponen lain untuk aplikasi elektronik						
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	4,127	4,527	4,168	5,447	4,606	4,428
263/ 26300	Pembuatan peralatan komunikasi	1,190	1,242	1,605	1,591	1,652	2,008
264/ 26400	Pembuatan peralatan elektronik pengguna	3,048	3,165	3,773	3,177	3,240	3,310
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
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1,440	1,231	1,433	1,062	1,135	1,324
26520	Pembuatan kelengkapan kawalan proses perindustrian						
	Pembuatan jam tangan dan jam dan bahagiannya	161	139	149	133	139	166
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	398	407	468	389	383	430

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
3,719	3,816	3,839	3,728	4,164	4,267	4,634	4,383	Manufacture of non-metallic mineral products n.e.c.
								Manufacture of refractory mortars and concretes
187	195	219	207	219	213	229	213	Manufacture of non-refractory ceramic
83	85	79	85	89	87	79	76	Manufacture of other porcelain and ceramic products
962	967	944	942	1,065	1,050	1,139	1,114	Manufacture of hydraulic cement
721	722	706	677	769	797	853	809	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,295	1,350	1,366	1,306	1,471	1,572	1,769	1,602	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.
344	370	388	380	418	415	424	432	Manufacture of other non-metallic mineral products n.e.c.
127	127	136	130	132	133	141	139	Other industry
1,972	2,336	2,893	2,844	3,010	2,894	2,810	2,959	Manufacture of basic iron and steel
1,362	1,785	2,328	2,368	2,304	2,314	2,265	2,183	Manufacture of basic precious and other non-ferrous metals
49	58	60	61	58	57	65	60	Casting of metals
2,515	2,534	2,530	2,556	2,726	2,963	3,111	2,958	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
								Manufacture of metal doors, windows and their frames, shutters and gates
1,702	1,794	1,771	1,742	1,879	2,081	2,219	2,105	Manufacture of other structural metal products
743	672	697	752	781	816	825	791	Manufacture of tanks, reservoirs and containers of metal
70	68	62	62	66	65	67	62	Other industry
3,002	3,058	3,093	3,234	3,287	3,611	3,690	3,413	Manufacture of other fabricated metal products; metal working service activities
								Forging, pressing, stamping and roll-forming of metal; powder metallurgy
454	469	447	468	466	470	471	450	Treatment and coating of metals; machining
304	275	302	333	329	408	428	416	Manufacture of tins and cans for food products, collapsible tubes and boxes
492	533	538	544	553	633	641	573	Manufacture of metal cable, plaited bands and similar articles
943	935	937	991	1,008	1,088	1,142	1,119	Manufacture of bolts, screws, nuts and similar threaded products
25	24	24	26	25	26	28	28	Manufacture of metal household articles
683	709	734	760	784	868	862	706	Manufacture of any other fabricated metal products n.e.c.
104	112	112	113	122	118	117	121	Other industry
28,660	30,278	33,106	30,059	27,813	27,159	25,596	29,355	Manufacture of electronic components and boards
								Manufacture of diodes, transistors and similar semiconductor devices
16,886	17,406	18,719	17,006	15,168	15,812	14,200	16,257	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
10,545	11,564	12,717	11,482	11,167	9,882	9,728	11,457	Manufacture of printed circuit boards
								Manufacture of display components
1,228	1,307	1,670	1,571	1,477	1,465	1,668	1,641	Manufacture of other components for electronic applications
4,360	4,587	2,993	4,259	3,932	4,181	4,767	5,333	Manufacture of computers and peripheral equipment
1,685	1,958	2,368	1,664	1,679	1,924	1,691	1,717	Manufacture of communication equipment
3,563	3,814	4,352	3,792	3,746	3,229	3,075	3,155	Manufacture of consumer electronics
1,482	1,557	1,859	1,851	1,818	1,835	1,730	1,610	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
1,291	1,368	1,657	1,642	1,614	1,639	1,559	1,456	Manufacture of industrial process control equipment
191	189	202	209	204	195	171	153	Manufacture of watches and clocks and parts
403	469	461	510	553	509	590	480	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	2022			
				Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2,249	2,794	495	521	622	612
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	17,122	19,166	3,853	4,205	4,621	4,442
27101	Pembuatan motor elektrik, penjana dan transformer	5,476	5,224	1,297	1,420	1,435	1,325
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	11,645	13,941	2,556	2,785	3,187	3,118
272/ 27200	Pembuatan bateri dan akumulator	6,645	6,421	1,218	1,367	1,955	2,104
273	Pembuatan pendawaian dan peranti pendawaian	10,643	9,713	2,691	2,734	2,708	2,510
27310	Pembuatan kabel gentian optikal	354	450	84	93	87	90
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	9,610	8,681	2,417	2,450	2,460	2,282
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	679	581	190	191	161	138
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,635	1,789	368	392	442	433
275/ 27500	Pembuatan perkakasan domestik	11,917	11,454	2,748	2,898	3,188	3,083
279/ 27900	Pembuatan kelengkapan elektrik lain	8,087	9,320	1,948	1,865	2,080	2,194
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	45,720	44,872	10,312	11,805	11,481	12,123
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2,983	2,670	531	750	851	852
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	10,965	10,653	2,329	2,946	2,765	2,925
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	11,209	9,379	3,020	3,200	2,535	2,454
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	8,316 12,248	8,173 13,996	1,587 2,845	1,933 2,975	2,252 3,078	2,544 3,349
291 (29101 & 29102)	Pembuatan kenderaan bermotor	43,437	49,965	9,874	9,343	9,925	14,295
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,706	8,423	1,985	2,077	1,532	2,112
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	38,077	42,867	8,926	9,291	10,078	9,781
301 (30110 & 30120)	Pembinaan kapal dan bot	5,169	5,777	1,285	1,164	1,176	1,544
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	2,548	2,578	2,475	2,920
30910	Pembuatan motosikal	2,577	2,722	537	658	648	733
30920	Pembuatan basikal dan <i>invalid carriages</i>	2,879	2,327	659	720	705	795
	Industri lain	5,066	5,220	1,352	1,200	1,121	1,392
310	Pembuatan perabot	17,101	17,130	5,017	3,840	3,722	4,522
31001	Pembuatan perabot kayu dan rotan	8,667	8,542	2,670	1,849	1,915	2,233
	Industri lain	8,434	8,588	2,347	1,991	1,807	2,290
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,651	5,573	1,225	1,654	1,388	1,383
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6,168	6,956	1,529	1,521	1,609	1,510
32901	Pembuatan alat tulis	1,518	1,611	352	376	432	358
	Industri lain	4,650	5,345	1,177	1,145	1,176	1,151
323/ 32300	Pembuatan barangan sukan	211	244	55	52	48	57
324/ 32400	Pembuatan permainan dan mainan	639	542	184	179	130	145
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,746	6,163	1,517	1,244	1,295	1,689
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2,121	2,289	537	460	500	624
	Industri lain	3,625	3,874	980	784	795	1,066
Jumlah Pembuatan		1,800,930	1,804,035	415,298	443,489	467,562	474,582

2023		2023		2024		Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
623	627	763	781	392	544	Manufacture of optical instruments, photographic equipment, magnetic and optical media
4,201	4,450	5,587	4,928	2,752	2,936	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1,169	1,159	1,533	1,362	787	810	Manufacture of electric motors, generators and transformers
3,032	3,291	4,053	3,565	1,965	2,126	Manufacture of electricity distribution and control apparatus
1,571	1,710	1,447	1,692	1,086	1,027	Manufacture of batteries and accumulators
2,436	2,385	2,490	2,402	1,636	1,557	Manufacture of wiring and wiring devices
104	120	122	106	68	74	Manufacture of fibre optic cables
2,191	2,118	2,216	2,156	1,477	1,377	Manufacture of other electronic and electric wires and cables
141	147	153	141	92	105	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
402	397	518	472	266	321	Manufacture of electric lighting equipment
2,824	2,889	3,093	2,648	1,825	1,901	Manufacture of domestic appliances
2,148	2,325	2,510	2,338	1,419	1,354	Manufacture of other electrical equipment
10,815	11,534	10,552	11,971	7,220	7,397	Manufacture of general-purpose and special-purpose machinery
598	590	627	855	425	441	Manufacture of fluid power equipment
						Manufacture of other pumps, compressors, taps and valves
2,481	2,692	2,535	2,945	1,683	1,876	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
2,366	2,640	1,958	2,416	1,557	1,641	Manufacture of air-conditioning machines, including for motor vehicles
2,170	2,137	1,831	2,035	1,410	1,100	Manufacture of other special-purpose machinery n.e.c.
3,201	3,474	3,601	3,720	2,145	2,339	Other industry
12,356	9,860	11,663	16,085	8,049	10,044	Manufacture of motor vehicles
2,099	2,050	1,944	2,330	1,337	980	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
10,188	10,295	11,301	11,083	6,558	7,244	Manufacture of parts and accessories for motor vehicles
1,622	1,529	1,154	1,472	1,021	904	Building of ships and boats
2,455	2,417	2,480	2,917	1,567	1,758	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
600	637	715	770	396	539	Manufacture of motorcycles
616	610	518	583	410	367	Manufacture of bicycles and invalid carriages
1,239	1,170	1,247	1,564	761	852	Other industry
4,729	3,766	3,671	4,964	3,099	3,446	Manufacture of furniture
2,416	1,823	1,866	2,437	1,578	1,763	Manufacture of wooden and cane furniture
2,313	1,943	1,805	2,526	1,521	1,682	Other industry
1,304	1,521	1,286	1,462	889	988	Manufacture of jewellery, bijouterie and related articles
1,594	1,800	1,893	1,669	1,060	1,064	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
403	417	416	376	270	250	Manufacture of stationery
1,191	1,383	1,478	1,293	790	814	Other industry
64	67	53	59	41	44	Manufacture of sports goods
132	168	124	119	84	76	Manufacture of games and toys
1,629	1,386	1,433	1,714	1,041	1,074	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
591	502	546	649	363	403	Repair and maintenance of transport equipment except motorcycles and bicycles
1,038	884	887	1,065	678	671	Other industry
449,424	439,208	453,856	461,548	293,229	298,909	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
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	194	198	232	202	205	220
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,423	1,329	1,449	1,427	1,461	1,562
27101	Pembuatan motor elektrik, penjana dan transformer	411	376	383	382	383	395
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	1,012	953	1,066	1,045	1,079	1,167
272/ 27200	Pembuatan bateri dan akumulator	583	503	486	542	547	620
273	Pembuatan pendawaian dan peranti pendawaian	815	821	800	794	788	803
27310	Pembuatan kabel gentian optikal	35	33	35	37	41	42
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	735	742	715	711	696	711
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	45	46	50	46	51	50
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	132	134	136	122	138	137
275/ 27500	Pembuatan perkakasan domestik	911	914	999	992	926	971
279/ 27900	Pembuatan kelengkapan elektrik lain	719	700	728	719	792	814
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,693	3,527	3,595	3,877	3,868	3,789
28120 & 28130	Pembuatan alat-alat kuasa bendalir	212	213	173	199	191	200
28180 & 28220	Pembuatan pam, pemampat, kepala paip dan injap lain	860	823	798	891	894	907
28192	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	798	759	809	920	947	773
28290	Pembuatan jentera pembentukan logam dan alatan mesin	730	680	760	789	648	700
	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	1,093	1,052	1,056	1,078	1,188	1,208
291 (29101 & 29102)	Pembuatan mesin bertujuan khas t.t.t.l. Industri lain	4,253	3,796	4,307	2,846	3,685	3,329
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	697	639	762	712	739	599
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	3,293	3,266	3,629	3,096	3,684	3,515
301 (30110 & 30120)	Pembinaan kapal dan bot	508	513	601	656	445	428
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
30910	Pembuatan motosikal	205	191	204	202	206	228
30920	Pembuatan basikal dan <i>invalid carriages</i>	210	200	206	203	208	199
	Industri lain	400	361	478	399	385	386
310	Pembuatan perabot	1,587	1,512	1,630	1,312	1,411	1,042
31001	Pembuatan perabot kayu dan rotan	788	790	838	641	663	518
	Industri lain	799	722	792	671	748	524
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	473	416	415	491	531	498
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
32901	Pembuatan alat tulis	136	135	133	140	142	135
	Industri lain	387	403	401	448	498	436
323/ 32300	Pembuatan barangan sukan	21	20	24	27	22	18
324/ 32400	Pembuatan permainan dan mainan	45	39	49	57	69	41
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	530	511	589	578	402	406
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	186	177	228	231	136	135
	Industri lain	344	334	360	347	266	271
Jumlah Pembuatan		148,010	145,219	156,194	144,981	146,799	147,427

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
242	261	260	257	267	258	281	263	Manufacture of optical instruments, photographic equipment, magnetic and optical media
1,757	1,895	1,935	1,731	1,631	1,566	1,545	1,391	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
452	538	543	489	446	427	431	379	Manufacture of electric motors, generators and transformers
1,305	1,357	1,392	1,241	1,185	1,140	1,114	1,012	Manufacture of electricity distribution and control apparatus
414	465	569	580	556	556	544	483	Manufacture of batteries and accumulators
811	833	847	823	805	773	829	728	Manufacture of wiring and wiring devices
42	46	33	36	32	37	38	36	Manufacture of fibre optic cables
721	733	762	740	725	691	736	641	Manufacture of other electronic and electric wires and cables
48	53	52	48	47	45	54	51	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
165	177	175	163	162	148	167	154	Manufacture of electric lighting equipment
953	1,122	1,018	909	877	862	953	948	Manufacture of domestic appliances
810	828	872	797	786	755	735	619	Manufacture of other electrical equipment
3,322	3,567	3,663	3,762	4,104	4,105	3,813	3,584	Manufacture of general-purpose and special-purpose machinery
167	186	274	273	302	280	230	210	Manufacture of fluid power equipment
816	850	870	878	1,017	1,049	961	914	Manufacture of other pumps, compressors, taps and valves
591	698	669	721	821	875	845	796	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
634	524	672	685	674	676	585	515	Manufacture of metal-forming machinery and machine tools
1,114	1,308	1,178	1,205	1,289	1,226	1,191	1,148	Manufacture of air-conditioning machines, including for motor vehicles
3,920	3,633	4,111	4,922	5,740	5,422	5,504	4,540	Manufacture of other special-purpose machinery n.e.c.
662	646	636	774	813	743	523	458	Other industry
3,843	3,889	3,569	3,459	3,934	3,690	3,851	3,394	Manufacture of motor vehicles
354	356	444	560	459	453	446	458	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
818	827	834	897	1,059	961	928	830	Manufacture of parts and accessories for motor vehicles
243	234	237	234	268	268	290	249	Building of ships and boats
172	176	170	190	203	190	201	166	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
403	417	427	473	588	503	437	415	Manufacture of motorcycles
1,109	1,166	1,396	1,561	1,696	1,707	1,794	1,652	Manufacture of bicycles and invalid carriages
559	619	688	751	848	838	896	868	Other industry
550	547	708	810	848	868	898	784	Manufacture of furniture
375	397	514	453	511	498	531	457	Manufacture of wooden and cane furniture
615	647	631	575	551	543	531	533	Other industry
137	148	130	128	119	128	129	121	Manufacture of jewellery, bijouterie and related articles
478	499	501	447	431	416	402	412	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
19	16	18	19	19	21	23	21	Manufacture of stationery
38	41	45	45	38	36	38	38	Other industry
407	449	578	557	599	557	548	527	Manufacture of sports goods
140	170	236	213	228	208	203	200	Manufacture of games and toys
266	279	342	344	371	349	345	327	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
								Repair and maintenance of transport equipment except motorcycles and bicycles
								Other industry
143,926	152,175	157,755	156,675	154,988	149,885	152,704	146,205	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
101	Pemprosesan dan pengawetan daging	11.8	5.7	15.5	17.1	8.5	7.2	6.3	9.8	5.2	1.9	3.5	6.2	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.0	6.0	-14.5	-11.1	-2.8	-6.7	1.0	3.7	10.5	8.9	1.6	3.7	
	10201 Pengetinan ikan, krustasea dan moluska													
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.7	5.2	-15.2	-11.8	-3.5	-7.2	0.2	2.4	10.1	8.1	0.8	2.9	
	Industri lain	4.0	19.5	-1.3	5.6	11.5	1.5	15.7	25.6	15.8	21.2	15.5	15.4	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.6	31.0	-14.7	-3.8	19.4	11.8	16.4	36.0	36.9	34.4	6.6	31.0	
	10303 Pengetinan nanas													
	10304 Pembuatan jem, marmalad dan sajian jeli	-2.0	58.2	-36.1	-9.6	26.8	27.7	50.0	87.3	50.8	49.5	30.5	43.5	
	Industri lain	2.6	24.3	-8.4	-2.5	17.5	8.0	9.5	25.1	32.9	30.1	1.5	27.6	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	12.8	-11.2	22.6	17.4	9.7	5.1	4.7	-25.4	-13.8	-5.4	6.4	3.6	
	10404 Pembuatan minyak sayuran mentah dan bertapis													
	10406 Pembuatan sebatian lemak masakan	19.9	0.8	7.5	20.0	25.3	25.0	22.3	-0.2	-11.1	-1.4	21.4	5.2	
	10405 Pembuatan minyak kelapa	34.4	-19.9	7.8	47.1	76.7	22.9	-15.4	-24.6	-25.2	-14.3	-8.8	11.3	
	Industri lain	11.9	-12.6	25.0	17.0	7.5	3.1	2.8	-28.2	-14.1	-5.8	4.8	3.3	
105	Pembuatan produk tenusu	12.1	-0.1	13.8	12.5	14.9	7.7	3.9	4.8	-5.1	-3.6	0.8	-5.9	
	10502 Pembuatan susu pekat, tepung dan sejat	13.1	-0.4	15.5	13.7	15.3	8.3	4.8	4.9	-6.0	-5.0	1.5	-8.1	
	Industri lain	-0.1	4.0	-5.2	-3.6	10.3	-1.0	-9.2	2.4	7.6	15.5	-8.8	26.5	
106	Pembuatan produk bijian, kanji dan produk berkanji	22.1	5.1	24.5	24.6	22.1	17.4	9.6	1.0	6.2	4.0	9.7	5.3	
	10611 Pengilangan beras	32.7	3.2	51.1	33.8	29.8	20.9	12.7	-1.1	1.6	0.7	11.3	0.5	
	10613 Pengilangan tepung	14.0	7.6	8.6	17.0	16.0	14.7	6.9	3.6	11.5	8.5	8.4	10.1	
	Industri lain	4.4	-3.7	-7.1	7.9	6.5	10.7	6.5	-4.6	-1.6	-13.1	6.5	3.5	
107	Pembuatan produk makanan lain	9.7	8.3	4.3	11.3	14.8	8.6	6.9	6.7	7.3	12.1	6.9	10.7	
	10711 Pembuatan biskut dan cookies	47.1	23.0	40.6	61.3	70.5	25.4	5.2	12.6	33.0	40.8	3.7	27.5	
	10712 Pembuatan roti, kek dan produk bakeri lain	0.9	10.7	-10.3	2.0	4.2	8.4	18.4	10.7	7.4	7.2	16.7	1.6	
	10713 Pembuatan produk snek	20.8	16.9	18.1	25.7	30.1	11.5	0.9	10.2	25.6	30.6	-1.3	44.3	
	10721 Pembuatan gula	-5.5	17.6	-1.1	-0.1	-6.1	-13.8	-7.2	13.6	28.5	37.5	-10.2	27.0	
	10731 Pembuatan produk koko	0.0	6.2	-6.7	-2.8	6.9	3.7	4.6	7.6	4.8	7.8	2.7	19.6	
	10732 Pembuatan coklat dan produk coklat													
	10733 Pembuatan konfeksi gula	12.0	-2.2	8.7	12.6	17.0	9.6	1.7	-4.7	-6.7	1.2	5.6	-0.04	
	10793 Pembuatan sos dan bahan perasa	3.6	7.5	8.7	6.0	9.0	-7.0	-3.4	2.5	15.2	16.2	-5.1	19.9	
	10799 Pembuatan produk makanan lain t.t.t.l.	31.2	5.3	25.7	32.5	33.7	32.6	12.3	5.7	-1.2	5.5	13.8	6.7	
	Industri lain	9.3	11.0	1.8	9.4	17.9	8.5	11.7	14.0	8.4	10.2	11.9	12.4	
108/ 10800	Pembuatan makanan haiwan tersedia	25.3	17.4	42.2	24.4	20.5	18.8	20.2	16.2	18.2	15.3	14.9	8.0	
110	Pembuatan minuman ringan	19.6	2.7	6.3	30.5	42.2	7.6	0.2	3.2	1.4	5.8	0.1	3.6	
	11041 Pembuatan minuman ringan	7.3	6.2	10.1	14.7	3.1	2.8	-2.5	7.2	11.4	9.0	-2.7	11.7	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.1	3.7	3.3	7.1	1.9	-3.4	-3.7	3.3	7.9	7.7	-4.2	4.5	
	Industri lain	52.7	-2.8	1.8	74.9	267.6	20.1	5.6	-2.3	-13.6	0.4	5.6	-8.0	
120/ 12000	Pembuatan produk tembakau	16.0	17.6	4.7	32.1	155.9	-16.4	17.4	27.0	18.6	9.0	13.1	9.9	
131	Pemintalan, penenunan dan penyiapan tekstil	6.3	-12.3	7.7	-0.3	19.0	1.1	-11.8	-8.8	-12.8	-16.0	-12.3	2.1	
	13110 Penyediaan dan pemintalan gentian tekstil													
	13120 Penenunan tekstil	7.6	-11.9	7.9	-5.9	27.1	6.6	-8.5	-5.3	-13.6	-20.3	-8.2	-5.5	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.5	-13.1	6.9	20.3	2.5	-11.3	-21.5	-18.1	-9.7	-2.5	-24.3	29.5	
	Industri lain	-15.2	-30.1	9.6	12.4	-32.3	-31.9	-22.7	-31.3	-32.8	-34.3	-19.7	-12.4	
139	Pembuatan tekstil lain	11.7	10.8	23.7	21.6	4.2	1.2	10.6	8.5	10.1	14.0	10.3	15.5	
	13910 Pembuatan fabrik dikait dan dikrusye	3.0	-1.8	8.8	9.6	-0.3	-4.8	-0.6	-0.9	-2.4	-3.5	-0.7	5.5	
	Industri lain	19.9	21.2	39.8	33.6	8.0	6.6	20.2	16.3	20.0	27.9	19.5	22.6	
141	Pembuatan pakaian, kecuali pakaian berbulu	3.6	5.0	3.3	8.5	5.2	-1.3	2.4	6.8	7.2	3.8	2.7	1.9	
	14102 Pembuatan pakaian	2.1	5.7	2.4	5.6	1.8	-1.1	2.7	9.0	7.8	3.8	3.4	1.5	
	Industri lain	16.5	-0.2	9.1	32.3	41.8	-3.3	0.6	-7.6	2.0	4.3	-2.1	4.4	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	0.6	18.8	-8.0	-11.2	28.8	0.7	18.9	19.8	14.5	21.8	13.9	21.1	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	29.0	7.5	16.8	31.6	64.1	17.8	6.4	13.4	5.7	5.8	4.4	6.5	
152	Pembuatan kasut	4.1	12.6	-18.2	6.9	35.9	7.5	6.2	15.9	14.0	14.7	8.8	9.5	
	15201 Pembuatan kasut kulit													
	15203 Pembuatan kasut getah	12.3	16.1	-19.3	13.3	67.0	16.0	13.3	24.6	11.1	16.5	18.6	13.5	
	Industri lain	-7.7	6.5	-16.6	-1.4	-2.8	-6.3	-4.5	3.1	20.2	11.0	-5.6	2.0	
161/ 16100	Pengilangan dan pengetaman kayu	13.4	-2.7	9.9	18.4	28.9	2.9	1.6	3.3	-7.7	-7.2	-0.2	-8.7	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
-1.9	9.3	12.3	9.7	8.8	11.0	7.2	2.6	5.9	-1.0	3.3	3.6	7.6	4.9	Processing and preserving of meat
1.7	1.6	-0.1	-1.4	10.7	1.8	18.9	4.9	8.4	12.2	7.1	7.3	3.7	3.6	Processing and preserving of fish, crustaceans and molluscs
1.2	0.3	-1.1	-2.5	9.2	0.7	19.1	4.4	7.9	12.0	5.7	6.6	2.8	3.0	Canning of fish, crustaceans and molluscs
9.2	22.4	16.0	18.0	37.3	22.2	15.8	14.6	16.8	15.2	31.3	18.0	18.4	12.4	Processing, curing and preserving of fish, crustacean and molluscs
-1.0	15.2	37.7	28.9	40.2	38.8	43.6	30.0	37.6	38.9	31.3	33.3	38.0	24.3	Other industry
														Processing and preserving of fruits and vegetable
														Pineapple canning
20.0	42.2	98.8	69.3	122.4	76.2	62.8	46.3	44.9	53.6	40.4	55.9	52.3	35.3	Manufacture of jams, marmalades and table jellies
-5.5	9.4	26.6	20.9	25.3	29.1	38.3	25.6	35.4	34.5	28.6	27.5	34.1	21.2	Other industry
5.3	7.6	1.2	-23.2	-25.6	-27.4	-18.5	-15.1	-8.4	-3.6	-3.8	-8.6	12.7	-6.0	Manufacture of vegetable and animal oils and fats
														Manufacture of crude and refined vegetable oil
10.3	34.0	24.0	5.4	5.2	-10.1	-17.2	-11.3	-4.7	4.3	1.7	-9.1	16.1	-5.0	Manufacture of compound cooking fats
1.6	-18.5	-27.8	-28.6	-15.2	-30.0	-29.7	-27.9	-17.6	-8.1	-17.7	-16.8	0.8	23.4	Manufacture of coconut oil
4.8	4.8	-1.5	-26.2	-29.0	-29.4	-18.5	-15.5	-8.8	-4.4	-4.3	-8.5	12.3	-6.4	Other industry
-1.8	3.5	9.9	5.5	8.2	0.7	-2.8	-6.5	-5.6	-1.0	-2.0	-8.0	-4.9	-6.9	Manufacture of dairy products
-1.6	4.7	11.3	6.1	8.3	0.4	-3.3	-7.4	-7.0	-2.4	-3.2	-9.3	-6.9	-9.2	Manufacture of condensed, powdered and evaporated milk
-4.9	-12.9	-10.1	-4.0	6.2	4.8	3.7	6.1	13.0	18.8	15.0	12.4	22.6	31.0	Other industry
5.8	13.6	9.4	-4.9	5.0	3.3	8.5	4.0	6.2	5.4	5.2	1.4	12.5	-1.5	Manufacture of grain mill products, starches and starch products
6.5	15.8	15.2	-11.9	5.9	5.1	8.4	-2.0	-0.7	0.8	0.6	0.7	12.5	-9.7	Rice milling
5.3	11.7	4.1	3.9	4.5	2.3	9.3	10.8	14.5	11.5	11.3	2.9	13.1	7.1	Flour milling
4.7	8.6	6.5	-5.3	-2.0	-6.4	-1.6	-2.7	-0.7	-13.1	-13.7	-12.3	3.5	3.6	Other industry
3.1	11.0	6.8	0.8	13.6	6.0	6.1	5.0	10.9	11.7	13.9	10.8	13.3	8.1	Manufacture of other food products
-2.3	9.9	8.3	-14.1	29.6	30.6	38.6	26.8	34.3	37.4	43.4	41.4	39.0	16.9	Manufacture of biscuits and cookies
16.2	17.2	21.7	9.2	15.9	7.2	6.3	7.5	8.4	9.8	10.5	1.6	2.3	0.8	Manufacture of bread, cakes and other bakery products
-3.8	1.2	5.0	-0.4	18.1	13.7	24.6	24.4	27.7	25.9	35.2	30.7	55.9	33.1	Manufacture of snack products
-18.4	-0.3	-0.8	-6.7	28.5	21.1	23.4	25.6	36.3	39.2	42.7	30.8	28.2	25.8	Manufacture of sugar
-3.6	9.2	8.9	3.7	15.2	4.1	5.2	2.2	7.0	8.2	8.7	6.4	25.4	14.4	Manufacture of cocoa products
														Manufacture of chocolate and chocolate products
3.2	8.2	-5.2	-7.8	-0.8	-5.6	-7.9	-8.9	-3.1	-3.0	3.7	3.0	-1.1	1.0	Manufacture of sugar confectionery
-11.8	1.9	-0.1	-0.3	1.1	7.1	8.7	13.4	23.5	17.8	10.5	20.8	27.8	12.7	Manufacture of sauces and condiments
9.9	17.9	9.5	7.2	12.6	-2.4	-1.6	-6.4	4.3	4.9	4.3	7.6	10.7	2.9	Manufacture of other food products n.e.c.
7.5	16.6	11.3	10.9	23.0	8.7	6.8	6.4	12.1	12.8	10.0	7.8	16.4	8.6	Other industry
9.4	20.9	31.3	12.6	19.2	16.7	18.1	20.3	16.4	20.2	20.5	5.3	9.9	6.2	Manufacture of prepared animal feeds
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	0.7	Manufacture of beverages
-1.2	-4.1	-2.1	-5.3	16.9	14.7	15.6	7.5	11.3	11.9	6.7	8.1	16.9	6.6	Manufacture of soft drinks
-6.5	-2.1	-2.8	-3.1	13.1	1.6	3.4	6.9	13.8	11.3	6.4	5.1	8.2	1.2	Production of natural mineral waters and other bottled waters
4.7	6.7	5.4	0.9	5.7	-13.4	-17.8	-10.0	-13.4	1.3	-1.2	1.1	-7.7	-8.3	Other industry
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	Manufacture of tobacco products
-9.7	-15.0	-10.7	-11.4	-0.5	-13.8	-13.8	-11.0	-13.5	-13.6	-15.0	-19.1	1.7	2.4	Spinning, weaving and finishing of textiles
														Preparation and spinning of textile fibres
-3.4	-13.0	-9.0	-8.2	3.0	-10.3	-11.3	-12.9	-16.8	-17.0	-19.6	-23.7	-5.4	-5.5	Weaving of textiles
-26.7	-21.4	-15.7	-20.6	-10.6	-21.9	-20.0	-4.3	-3.5	-3.8	-0.3	-3.2	28.6	30.4	Dyeing, bleaching, printing and finishing of yarns and fabrics
-18.4	-21.4	-28.9	-26.3	-27.8	-39.1	-37.7	-29.4	-30.9	-33.0	-34.5	-35.6	-27.4	7.1	Other industry
6.0	14.9	11.4	10.6	10.4	4.9	5.8	12.0	12.6	13.9	15.0	13.0	16.6	14.5	Manufacture of other textiles
-4.3	3.2	-0.3	2.3	-0.4	-4.3	-5.3	0.1	-1.9	-4.0	-2.9	-3.5	6.1	4.9	Manufacture of knitted and crocheted fabrics
14.6	24.8	21.5	17.3	19.6	12.3	14.8	21.5	24.0	28.6	29.3	25.8	23.9	21.2	Other industry
1.7	3.8	1.8	0.6	9.1	11.7	10.6	4.6	6.3	7.4	6.3	-1.7	6.3	-2.5	Manufacture of wearing apparel, except fur apparel
2.1	4.8	1.2	2.6	12.5	12.6	11.2	5.5	6.9	8.1	6.5	-2.6	6.3	-3.3	Manufacture of clothings
-1.4	-2.8	5.8	-12.6	-12.7	4.8	5.9	-1.8	2.0	2.3	4.9	5.8	5.7	3.1	Other industry
3.3	26.2	29.9	22.8	22.1	14.8	12.4	13.3	17.5	19.7	24.0	21.7	23.4	18.9	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
5.9	2.9	10.6	12.8	22.6	5.2	8.2	3.7	5.4	6.7	4.6	6.4	6.5	6.6	
8.1	9.5	1.6	16.9	12.2	19.1	16.0	13.6	12.5	12.6	17.7	13.7	11.2	7.6	Manufacture of footwear
														Manufacture of leather footwear
11.6	27.4	4.0	31.7	24.6	17.8	11.1	11.7	10.5	12.8	18.1	18.5	14.5	12.4	Manufacture of rubber footwear
1.9	-12.1	-2.3	-2.6	-4.5	21.4	26.9	17.6	16.7	12.3	16.8	4.4	4.7	-0.7	Other industry
-10.4	12.4	4.9	0.6	15.8	-5.3	-2.0	-9.5	-9.7	-2.3	-4.5	-14.2	-2.0	-15.4	Sawmilling and planning of wood

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Table

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	12.1	-5.8	14.6	23.7	20.3	-1.8	-5.7	-4.3	-7.1	-5.9	-4.4	-0.4	
16211	Pembuatan kepingan venier dan papan lapis	9.9	1.2	13.6	20.0	14.4	-1.7	0.9	4.3	1.9	-0.9	3.1	1.2	
16212	Pembuatan papan partikel dan papan gentian	12.6	-13.1	20.7	23.3	15.0	-2.2	-12.2	-10.5	-16.5	-13.3	-10.7	-0.3	
16221	Pertukangan kayu untuk jurubina	13.9	-5.6	5.2	33.8	36.4	-0.7	-4.7	-8.5	-4.4	-5.6	-6.1	-3.7	
	Industri lain	19.5	-15.5	13.6	30.4	53.5	-2.1	-17.6	-16.4	-19.0	-8.9	-17.7	-4.8	
170	Pembuatan kertas dan produk kertas	9.6	5.7	10.2	10.3	11.9	6.1	11.0	4.8	1.9	5.6	11.8	3.9	
17010	Pembuatan pulpa, kertas dan kertas tebal	13.8	-3.8	24.0	13.6	12.0	6.8	-1.5	-7.3	-6.0	-0.7	3.5	1.5	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.5	-3.5	-3.0	5.1	7.9	0.2	7.8	-5.8	-9.7	-5.0	8.4	-6.9	
17091	Pembuatan sampul surat dan kad surat	14.6	0.3	-5.3	7.0	26.5	30.6	29.5	10.8	-11.4	-18.3	32.0	-14.0	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	16.4	13.2	25.3	17.8	15.4	8.1	14.2	13.8	13.3	11.4	12.5	2.2	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	17.4	19.0	15.6	13.8	18.8	21.4	28.1	22.0	8.5	19.1	31.1	25.2	
	Industri lain	6.1	41.1	3.5	3.9	10.1	7.1	27.2	41.1	47.9	48.1	21.6	33.8	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13.3	6.0	7.8	22.0	18.8	7.5	7.5	5.5	7.5	3.6	6.6	3.6	
18110	Percetakan	12.4	3.6	15.9	25.4	11.8	0.0	-0.7	1.2	6.2	8.1	-1.7	10.3	
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	17.2	15.1	-18.7	9.8	58.9	42.5	45.3	23.6	12.7	-11.3	43.2	-16.9	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	42.3	-10.1	36.3	36.3	57.2	37.4	21.9	-6.2	-22.7	-20.9	25.6	-15.7	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	0.5	-8.0	2.9	8.0	-1.3	-6.6	-6.5	-9.1	-8.3	-8.2	-6.4	-7.0	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-15.8	-16.2	-56.8	-28.7	4.1	72.3	58.8	-28.2	-36.3	-28.1	56.6	-23.6	
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	0.5	-11.6	2.8	8.4	-2.7	-5.4	-7.5	-11.7	-14.6	-13.0	-7.6	-8.7	
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	18.0	-18.4	37.8	22.5	33.4	-11.9	-15.1	-15.3	-20.1	-24.4	-14.6	-40.1	
20131	Pembuatan plastik dalam bentuk primer	-9.8	2.1	-3.3	1.2	-15.4	-20.4	-9.0	-2.9	14.3	8.7	-9.1	6.0	
	Industri lain	57.2	-8.2	56.9	60.6	55.1	56.8	8.5	-2.7	-20.0	-15.2	8.4	-5.1	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	30.9	17.8	30.0	32.3	37.7	24.9	21.4	20.7	17.6	12.5	20.4	16.1	
20210	Pembuatan racun perosak dan produk agrokimia lain	53.3	23.6	61.1	51.3	46.3	54.0	19.0	31.4	42.7	6.9	20.5	7.5	
20221	Pembuatan cat, varnis dan penyadur dan mastik	33.0	34.7	59.3	41.4	41.1	4.2	18.9	34.5	45.6	40.6	11.5	42.4	
20222	Pembuatan dakwat cetak	16.2	-3.6	20.3	15.6	17.1	11.8	-0.8	-4.1	-0.8	-8.8	-0.8	5.4	
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap Pembuatan pewangi dan penyediaan dandanan diri	30.1	10.6	17.3	34.9	39.2	29.4	23.0	16.2	3.3	2.9	23.5	11.3	
20291 & 20292 & 20299	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials Pembuatan dakwat menulis dan melukis Pembuatan produk kimia lain t.t.t.l.	23.8	9.7	11.3	15.4	32.5	35.3	26.0	9.9	4.6	1.6	31.2	-2.4	
	Industri lain	16.3	4.9	1.3	6.1	19.2	39.5	38.0	-2.8	-19.2	11.9	36.8	-9.3	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.8	5.2	13.9	10.7	12.1	7.1	12.0	5.1	0.7	3.5	11.2	4.9	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.1	4.5	15.5	8.4	10.9	6.0	9.7	4.5	-0.8	5.0	9.1	3.7	
	Industri lain	14.8	8.5	6.3	24.2	18.2	11.9	24.1	8.4	7.8	-2.9	22.2	10.6	
221	Pembuatan produk getah	-23.9	-9.1	-27.9	-30.7	-20.9	-11.1	-10.8	-12.6	-8.6	-3.4	-11.2	6.2	
22111	Pembuatan tayar getah untuk kenderaan	-23.7	-38.1	19.6	32.8	-52.6	-50.1	-41.4	-43.2	-35.0	-28.4	-41.1	-30.7	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.4	27.1	-8.9	6.0	22.9	-5.9	29.9	26.8	20.7	31.3	24.7	8.1	
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan Pengilangan semula getah dan prosesan susu getah	-7.6	-16.9	-28.3	-6.6	13.9	-2.7	-8.6	-26.1	-24.5	-6.1	-8.9	7.4	
2024	22192 Pembuatan sarung tangan getah	-28.3	-5.8	-32.8	-37.9	-23.9	-8.3	-8.4	-8.3	-3.9	-1.6	-8.8	7.8	
	22199 Pembuatan produk getah lain yang t.t.t.l.	-4.3	-9.5	-10.6	-6.0	4.7	-4.5	-10.6	-13.9	-9.0	-4.4	-9.3	12.9	
222	Pembuatan produk plastik	5.4	-0.6	6.7	6.6	6.9	1.7	-3.3	-1.2	-0.6	2.6	-4.3	6.7	
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	-5.4	-5.3	-6.1	-3.7	-4.3	-7.7	-3.2	-7.7	-7.4	-2.2	-4.3	-2.2	
22203	Pembuatan artikel plastik untuk pembungkusan barangan	29.4	-1.9	20.9	38.0	32.7	25.5	5.4	-1.9	-5.6	-4.1	4.2	7.0	
22204	Pembuatan barangan plastik jurubina	19.5	41.2	37.6	27.0	13.1	6.6	27.9	33.8	45.5	56.4	19.9	34.9	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	51.1	7.9	69.0	59.5	57.2	27.3	8.5	19.7	4.8	-1.1	7.6	2.3	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-19.4	-3.6	-8.8	-24.2	-22.2	-22.3	-21.5	-8.0	5.9	13.0	-21.3	14.4	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	4.8	-3.3	-14.2	1.0	45.0	7.0	-4.8	-2.1	-4.1	-2.3	-4.2	6.9	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
-6.4	-2.2	-8.1	-7.1	4.6	-9.3	-9.8	-5.9	-6.3	-2.2	-7.1	-8.4	0.7	-1.5	Manufacture of products of wood, cork, straw and plaiting materials
3.4	2.8	-3.2	0.3	16.2	-1.6	-1.0	4.6	1.5	5.60	-3.8	-4.3	1.0	1.4	Manufacture of veneer sheets and plywood
-15.8	-5.0	-14.8	-14.2	-2.6	-13.6	-17.7	-15.7	-16.4	-13.5	-13.3	-13.1	5.0	-5.7	Manufacture of particle board and fibreboard
-5.9	-6.2	-1.9	-5.6	-6.5	-14.2	-11.2	-1.4	-1.7	-1.8	-1.2	-13.2	-9.0	2.2	Manufacture of builders' carpentry
-22.0	-12.9	-17.4	-19.2	-7.9	-20.8	-19.3	-22.0	-15.5	-6.4	-11.7	-8.4	-0.5	-9.1	Other industry
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	Manufacture of paper and paper products
-1.4	8.8	-11.0	-14.2	2.8	-9.3	-12.0	-5.2	-1.1	-7.0	2.3	3.5	1.8	1.2	Manufacture of pulp, paper and paperboard
5.2	11.8	6.7	-6.9	-2.1	-8.4	-10.8	-11.5	-6.9	-5.0	-4.8	-5.2	-0.6	-13.2	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
42.7	21.4	24.8	34.1	2.6	0.0	-6.3	-12.1	-15.4	-18.6	-17.8	-18.5	-18.1	-9.2	Manufacture of envelopes and letter-card
5.9	19.7	17.2	15.7	15.8	9.9	15.4	17.8	7.2	12.5	17.5	4.8	2.9	1.5	Manufacture of household and personal hygiene paper
29.4	32.6	23.4	33.7	15.5	16.8	13.2	2.4	10.2	13.9	18.2	25.6	24.8	25.6	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
10.4	34.1	39.2	40.3	46.6	36.4	42.0	50.4	51.3	50.1	54.9	40.1	40.9	27.3	Other industry
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	Printing, service activities related to printing and reproduction of recorded media
-4.6	1.4	1.3	-1.6	2.9	2.5	5.0	7.1	6.5	7.1	6.8	10.4	11.7	9.0	Printing
36.7	50.4	50.2	20.3	27.1	23.5	13.3	16.1	8.7	9.3	-16.3	-20.3	-16.4	-17.4	Service activities related to printing
														Reproduction of recorded media
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	Manufacture of refined petroleum products
-7.2	-5.6	-6.6	-6.6	-7.2	-13.2	-12.1	-6.2	-6.4	-5.0	-7.7	-11.6	-5.0	-9.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
49.6	65.2	64.5	-15.6	-25.5	-40.8	-33.3	-40.1	-35.0	-30.0	-20.3	-33.6	-27.3	-19.5	Manufacture of liquefied or compressed inorganic industrial or medical gases
														Manufacture of basic organic chemicals
-8.2	-7.0	-7.4	-1.8	-14.5	-17.8	-19.1	-12.1	-12.4	-13.7	-9.4	-15.8	-7.5	-9.9	Manufacture of inorganic compounds
														Manufacture of fertilizers
-14.5	-14.7	-16.1	-15.9	-6.0	-24.4	-24.3	-15.2	-20.9	-17.7	-22.2	-32.6	-40.2	-40.1	Manufacture of associated nitrogen products
-10.3	-7.9	-8.9	-11.3	4.7	-1.8	7.5	17.5	18.5	19.1	3.2	5.1	10.6	1.4	Manufacture of plastics in primary forms
6.8	10.0	8.8	-2.9	0.5	-5.7	-15.3	-21.2	-23.1	-11.8	-19.7	-13.9	-0.7	-9.6	Other industry
21.6	19.3	23.1	10.3	30.9	21.7	22.9	16.0	14.5	18.5	12.1	7.7	22.9	9.0	Manufacture of other chemical products and man-made fibres
24.1	16.7	16.2	16.5	35.0	44.8	56.8	40.9	32.6	38.3	7.0	-15.4	3.2	12.3	Manufacture of pesticides and other agrochemical products
8.4	14.7	34.0	20.5	43.4	39.9	43.6	46.7	46.5	49.7	36.3	36.8	54.3	30.6	Manufacture of paints, varnishes and similar coatings ink and mastics
-1.0	-0.6	-0.9	-10.4	1.6	-2.9	3.4	-2.5	-3.5	-11.2	-5.4	-9.9	9.1	1.5	Manufacture of printing ink
23.4	23.7	22.0	4.3	35.5	11.4	11.4	3.1	-3.5	1.4	3.4	3.8	23.7	-1.0	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
40.1	22.3	15.7	5.1	12.7	12.2	8.4	-1.2	6.8	8.7	2.6	-5.5	-2.1	-2.7	Manufacture of writing and drawing ink
														Manufacture of other chemical products n.e.c.
43.7	30.1	40.3	33.3	-9.7	-22.8	-8.2	-38.2	-10.2	1.4	18.7	15.6	-8.2	-10.5	Other industry
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	Manufacture of pharmaceuticals, medicinal chemical and botanical products
4.6	13.9	10.9	7.1	8.3	-1.2	-2.5	0.0	0.1	4.6	4.7	5.8	1.5	5.9	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
18.9	25.5	28.0	11.2	12.9	2.6	10.2	7.6	5.8	13.4	-12.3	-8.1	11.8	9.4	Other industry
-11.7	-10.7	-10.1	-14.2	-10.4	-13.2	-10.8	-8.8	-5.7	-4.2	-2.9	-3.1	7.2	5.1	Manufacture of rubber products
-40.7	-41.6	-42.0	-49.9	-34.9	-43.2	-42.5	-33.1	-26.3	-21.2	-31.4	-32.9	-30.5	-30.9	Manufacture of rubber tyres for vehicles
9.2	42.0	39.8	26.3	40.4	15.9	12.2	20.0	30.1	39.4	31.4	23.4	23.3	-4.9	Manufacture of interchangeable tyre treads and retreading rubber tyres
-7.0	-10.9	-7.9	-30.4	-16.4	-30.0	-27.2	-28.7	-16.5	-10.1	-3.7	-4.5	8.4	6.3	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-9.6	-7.9	-7.8	-8.3	-8.4	-8.1	-5.8	-3.0	-2.6	-2.1	-1.3	-1.2	8.2	7.4	Rubber remilling and latex processing
-9.6	-8.9	-12.9	-19.3	-8.6	-13.1	-7.3	-11.4	-8.2	-8.0	-2.7	-2.3	16.6	9.0	Manufacture of rubber gloves
-6.3	-2.3	-1.4	-7.1	8.1	-3.9	0.6	-1.7	-0.6	2.8	3.2	2.0	8.8	4.7	Manufacture of plastics products
-7.7	-0.8	-1.1	-10.0	-0.4	-12.3	-8.8	-8.6	-4.6	-1.6	-1.9	-3.2	2.0	-6.4	Manufacture of semi-manufactures of plastic products
2.6	5.8	7.9	-3.5	5.3	-7.3	-0.9	-8.7	-6.8	-5.1	-2.5	-4.7	7.3	6.6	Manufacture of finished plastic products
-0.1	42.9	41.2	33.4	41.3	26.9	49.5	40.5	46.9	62.9	65.7	41.2	53.5	19.8	Manufacture of plastic articles for the packing of goods
5.6	10.0	9.9	12.3	23.5	24.3	6.3	10.6	-2.1	3.2	-5.9	-0.6	0.7	4.0	Manufacture of builders' plastics ware
-20.9	-21.7	-21.9	-22.3	10.5	-6.2	4.5	5.5	7.7	12.2	13.2	13.5	16.2	12.5	Manufacture of plastic tableware, kitchenware and toilet articles
														Manufacture of diverse plastic products n.e.c.
2.1	-10.1	-5.8	-3.7	-3.0	1.0	-10.5	-2.4	2.1	0.6	-2.4	-4.4	6.8	6.9	Manufacture of glass and glass products

Jadual
Table

1.4b

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	16.7	8.4	10.3	23.6	32.2	5.9	8.4	7.9	9.0	8.1	8.0	8.2	
23911	Pembuatan mortar refraktori dan konkrit													
23921	Pembuatan seramik bukan refraktori	6.1	7.9	-6.5	2.9	68.2	-7.2	-7.5	13.3	17.8	12.6	-8.6	7.4	
23930	Pembuatan produk porselin dan seramik lain	8.2	-7.0	7.4	16.8	15.8	-5.1	-2.8	-14.1	-9.7	-1.0	-0.02	-14.5	
23941	Pembuatan simen hidrolik	22.1	12.4	6.0	23.3	57.1	14.9	22.2	13.7	10.1	4.1	23.5	1.4	
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	23.8	9.1	24.6	40.6	34.1	4.1	13.3	8.7	8.1	6.1	13.2	4.9	
23952	Pembuatan konkrit pratuangan, simen atau artikel batu													
23953	buatan yang digunakan dalam pembinaan;													
23953	Pembuatan komponen struktur pasang siap untuk bangunan	10.0	7.3	8.2	17.5	16.7	0.4	0.7	6.1	10.8	12.3	-1.3	19.1	
23959	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	15.0	28.8	25.0	20.0	8.3	-0.8	2.1	8.7	9.6	5.0	
	Industri lain	24.9	8.9	21.1	38.6	44.8	4.7	5.4	15.9	9.2	5.9	4.6	-4.3	
241														
(24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	9.6	6.7	14.4	17.5	9.4	0.5	7.0	6.3	5.8	7.6	3.8	6.9	
242														
(24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	8.8	1.0	5.7	15.0	13.1	4.2	2.6	0.5	-1.2	1.6	1.9	-1.0	
243	Pengacuan logam	20.6	7.6	20.8	24.6	30.0	10.1	6.3	5.7	13.8	4.9	8.3	20.6	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	17.0	11.6	16.5	22.8	25.3	6.4	7.1	15.8	12.8	11.3	4.3	12.4	
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan													
25113	pintu pagar daripada logam	16.9	12.3	19.0	25.2	19.3	6.2	4.3	19.0	14.9	12.2	2.3	11.4	
25119	Pembuatan produk struktur logam lain													
25120	Pembuatan tangki, takungan dan kontena daripada logam	18.4	10.4	12.4	19.7	41.3	6.5	14.3	7.6	9.0	10.9	9.5	18.0	
	Industri lain	7.6	7.0	-6.5	-1.2	33.6	10.8	16.9	18.9	0.9	-6.4	14.8	-13.7	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	10.4	6.6	1.7	15.5	27.7	1.8	5.7	1.7	8.8	10.2	6.9	9.4	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	24.0	5.3	16.3	24.0	43.7	15.7	7.9	6.1	4.3	3.2	8.9	3.6	
25920	Rawatan dan penyalutan logam; menggunakan mesin	21.8	12.8	4.4	26.6	45.7	17.7	33.9	10.6	2.1	6.2	46.2	6.5	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.5	6.4	-1.0	0.2	4.3	-12.1	-6.9	2.8	9.0	22.3	-8.6	23.9	
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam													
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.7	-1.8	-4.9	17.4	21.7	-13.4	-9.9	-9.3	8.6	7.0	-8.9	8.8	
25994	Pembuatan barangan rumah daripada logam	7.7	13.2	2.0	-7.8	20.8	19.6	17.4	15.2	7.5	13.1	23.5	13.0	
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21.0	13.1	5.3	17.1	43.1	22.4	28.0	7.0	10.2	9.4	28.1	4.5	
	Industri lain	21.7	43.8	30.3	11.1	22.0	24.2	39.4	45.1	52.0	39.6	37.4	18.0	
261	Pembuatan komponen dan papan elektronik	28.9	2.5	23.1	36.7	31.8	25.0	16.5	7.4	-1.5	-9.4	16.3	-2.8	
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya													
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	34.0	-2.9	34.3	43.3	37.7	23.4	5.7	-2.1	-2.5	-11.9	5.5	-4.6	
26103	Pembuatan kapasitor dan perintang elektrik													
26104	Pembuatan papan litar bercetak	21.4	8.4	6.5	27.3	23.7	27.6	36.1	21.1	-3.7	-10.4	36.0	-7.4	
26105	Pembuatan komponen paparan													
26109	Pembuatan komponen lain untuk aplikasi elektronik	29.8	35.3	28.3	32.4	33.6	25.6	15.8	33.2	44.2	44.0	12.1	88.9	
262														
(26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	8.0	2.2	11.5	10.6	15.8	-4.0	-2.6	-1.3	10.6	4.2	-2.8	16.7	
263/ 26300	Pembuatan peralatan komunikasi	0.3	41.7	-12.4	4.9	11.6	0.9	10.8	50.0	69.7	37.6	9.2	40.1	
264/ 26400	Pembuatan peralatan elektronik pengguna	11.0	-1.5	14.5	16.6	26.6	-8.1	-9.3	-3.6	4.4	2.4	-11.4	0.3	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	30.3	3.1	34.9	37.4	37.7	16.2	2.9	1.1	0.1	7.9	-1.4	12.5	
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	31.7	4.5	37.6	37.2	37.3	19.0	4.0	4.4	0.4	8.7	-0.7	12.9	
26512	Pembuatan kelengkapan kawalan proses perindustrian													
26520	Pembuatan jam tangan dan jam dan bahagiannya	20.9	-6.5	16.4	38.8	40.9	-1.6	-6.6	-19.3	-2.6	1.3	-7.1	8.4	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-34.3	4.6	-49.3	-39.4	-36.7	-3.4	27.8	-8.0	-4.6	8.7	26.1	32.9	

2023													2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.		
3.8	12.3	9.3	5.7	10.6	7.8	8.1	8.2	10.7	8.2	8.9	7.4	12.7	3.9	Manufacture of non-metallic mineral products n.e.c.	
-13.3	-3.7	-5.3	11.4	28.6	2.6	11.6	18.6	22.9	21.1	14.0	4.2	13.5	1.5	Manufacture of refractory mortars and concretes	
2.5	-2.5	-8.6	-13.6	-12.2	-16.5	-13.4	-6.6	-8.8	-1.0	1.6	-3.5	-15.0	-14.1	Manufacture of non-refractory ceramic	
25.3	21.7	19.8	13.7	14.2	13.2	13.6	8.8	8.1	4.1	5.9	2.4	2.7	0.1	Manufacture of other porcelain and ceramic products	
8.1	18.7	13.5	8.6	8.9	8.6	10.8	6.5	7.2	6.6	7.6	4.2	9.1	0.8	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	
-7.9	6.1	4.8	-0.9	9.4	11.2	8.8	9.9	13.8	10.3	12.4	14.0	27.0	11.5	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.	
3.5	15.7	5.9	3.2	5.6	-10.3	-8.9	3.7	12.4	8.6	8.5	8.9	9.6	1.0	Manufacture of other non-metallic mineral products n.e.c.	
3.6	5.6	6.9	15.3	15.3	17.2	12.9	6.4	8.6	12.7	2.1	3.5	-5.0	-3.6	Other industry	
-3.9	12.6	13.5	2.1	5.1	12.9	13.3	1.2	5.0	4.6	9.9	8.4	5.9	7.9	Manufacture of basic iron and steel	
1.9	1.9	3.9	1.8	6.5	-8.2	-12.9	-0.5	6.5	3.8	2.6	-1.4	1.3	-3.2	Manufacture of basic precious and other non-ferrous metals	
7.6	9.0	2.5	-1.5	3.6	16.1	16.5	14.2	11.3	13.6	3.1	-1.3	23.1	18.1	Casting of metals	
1.9	7.1	12.9	17.5	18.9	11.2	11.2	12.4	14.8	10.5	13.7	9.7	10.4	14.5	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition	
-2.9	8.3	8.8	20.5	21.2	15.3	10.2	18.1	16.6	10.3	15.5	10.8	11.4	11.3	Manufacture of metal doors, windows and their frames, shutters and gates	
16.3	2.3	24.5	9.8	12.3	1.6	13.7	1.9	11.5	12.3	10.8	9.6	10.2	27.5	Manufacture of other structural metal products	
10.5	19.9	21.2	21.0	23.7	12.5	9.8	-10.3	5.6	-2.8	0.7	-15.3	-13.3	-14.1	Manufacture of tanks, reservoirs and containers of metal	
3.3	10.8	3.1	-2.9	4.2	4.2	8.5	8.9	9.0	8.2	9.3	13.0	14.0	4.8	Other industry	
8.8	9.1	6.0	5.4	8.3	4.6	6.1	6.7	0.2	1.8	3.1	4.8	4.6	2.5	Manufacture of other fabricated metal products; metal working service activities	
44.5	48.1	10.9	9.4	16.3	6.7	4.4	4.9	-2.4	4.3	3.8	10.0	5.9	7.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	
-13.6	-3.1	-3.3	-3.5	11.6	1.4	6.3	9.0	11.5	17.2	19.6	29.6	31.8	16.1	Treatment and coating of metals; machining	
														Manufacture of tins and cans for food products, collapsible tubes and boxes	
-13.5	-4.0	-12.0	-15.6	-10.5	-0.3	6.0	8.0	12.0	5.4	8.0	7.7	11.0	6.5	Manufacture of metal cable, plaited bands and similar articles	
20.1	27.2	6.7	22.8	17.5	5.8	4.2	8.8	9.8	15.1	13.9	10.3	12.3	13.8	Manufacture of bolts, screws, nuts and similar threaded products	
26.5	29.7	27.8	2.3	12.2	7.8	13.5	8.0	9.4	8.0	6.9	13.2	16.3	-7.0	Manufacture of metal household articles	
23.0	55.6	43.4	41.2	51.3	43.4	46.0	52.6	57.5	43.7	40.3	35.3	16.1	19.8	Manufacture of any other fabricated metal products n.e.c.	
13.8	18.4	16.8	9.5	6.5	6.5	3.5	-2.5	-4.6	-7.2	-11.6	-9.6	-2.3	-3.3	Other industry	
6.3	4.8	6.0	-6.3	-0.7	0.4	3.9	-4.8	-5.6	-10.8	-13.9	-11.1	-6.6	-2.8	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	
28.5	42.6	36.1	36.4	15.7	13.7	-0.5	-2.3	-7.5	-5.6	-12.7	-12.8	-3.9	-10.1	Manufacture of printed circuit boards	
3.9	21.3	22.3	28.9	29.1	40.8	45.2	40.8	46.3	35.7	40.6	58.4	94.4	83.5	Manufacture of display components	
-3.4	-2.3	-2.0	-7.7	12.3	-5.1	12.4	10.9	7.8	4.3	5.0	3.4	15.5	17.8	Manufacture of other components for electronic applications	
6.2	12.3	13.2	51.6	52.6	46.8	81.3	68.7	63.1	35.2	35.5	41.6	42.1	38.2	Manufacture of computers and peripheral equipment	
-16.7	-5.6	-5.5	-14.2	3.7	1.3	5.7	2.1	5.4	6.7	0.2	0.1	0.9	-0.3	Manufacture of communication equipment	
-10.5	12.1	11.9	2.9	6.8	-4.5	-4.0	-5.0	8.6	9.5	7.6	6.5	8.1	17.5	Manufacture of consumer electronics	
-10.7	14.4	14.1	7.6	10.9	-2.8	-3.8	-4.7	9.1	10.9	9.1	6.3	8.3	18.3	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
-8.5	-5.4	-5.5	-23.6	-18.2	-16.5	-5.4	-7.0	5.0	-0.4	-3.4	9.0	6.4	10.6	Manufacture of measuring, testing, navigating and control equipment	
25.8	26.5	30.8	-15.7	10.1	-13.4	-9.2	-8.9	5.3	10.6	2.6	14.2	48.4	17.8	Manufacture of industrial process control equipment	
														Manufacture of watches and clocks and parts	
														Manufacture of irradiation, electromedical and electrotherapeutic equipment	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	33.7	24.2	33.7	36.2	67.7	9.5	26.0	20.2	22.7	27.7	25.2	38.9	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	33.3	11.9	37.9	36.0	43.8	18.6	9.0	5.8	20.9	10.9	12.4	6.7	
27101	Pembuatan motor elektrik, penjana dan transformer	17.2	-4.6	25.6	27.1	19.3	0.4	-9.8	-18.4	6.9	2.9	-5.6	2.9	
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	42.5	19.7	45.1	41.1	58.5	28.5	18.6	18.2	27.2	14.4	21.7	8.2	
272/ 27200	Pembuatan bateri dan akumulator	33.6	-3.4	25.8	12.8	33.6	58.0	29.0	25.1	-26.0	-19.6	34.1	-5.5	
273	Pembuatan pendawaian dan peranti pendawaian	0.02	-8.7	12.3	6.0	1.3	-16.1	-9.5	-12.8	-8.0	-4.3	-9.4	-4.9	
27310	Pembuatan kabel gentian optikal	14.9	27.3	33.9	48.7	2.5	-8.1	23.6	28.7	39.6	17.4	24.9	8.7	
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.1	-9.7	11.0	5.4	2.7	-15.4	-9.3	-13.5	-9.9	-5.5	-9.4	-6.7	
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.4	-14.4	22.1	-1.1	-16.0	-28.9	-25.6	-23.3	-5.0	2.2	-24.8	14.9	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	27.1	9.4	28.5	28.0	38.7	15.4	9.3	1.2	17.2	8.9	15.5	20.6	
275/ 27500	Pembuatan perkakasan domestik	8.7	-3.9	7.6	12.3	17.8	-1.4	2.8	-0.3	-3.0	-14.1	0.2	4.2	
279/ 27900	Pembuatan kelengkapan elektrik lain	4.0	15.2	16.7	-2.9	3.7	0.7	10.3	24.7	20.7	6.6	10.5	-4.6	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	6.9	-1.9	9.3	4.6	7.7	6.3	4.9	-2.3	-8.1	-1.3	4.0	2.5	
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.4	-10.5	-14.7	-1.4	23.3	1.5	12.7	-21.2	-26.3	0.3	17.5	3.6	
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.0	-2.8	-3.3	-1.4	3.4	5.1	6.5	-8.6	-8.3	0.7	5.7	11.5	
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.1	-16.3	10.9	3.2	-12.6	-23.6	-21.7	-17.5	-22.8	-1.5	-23.2	5.4	
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	37.9 10.8	-1.7 14.3	28.5 16.6	15.6 7.5	45.6 8.3	61.4 11.8	36.7 12.5	10.5 16.8	-18.7 17.0	-20.0 11.1	35.1 12.1	-22.0 9.1	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	12.7	15.0	5.8	21.0	22.1	7.0	25.1	5.5	17.5	12.5	21.1	24.8	
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	17.6	9.3	29.7	19.2	20.6	5.1	5.8	-1.3	26.9	10.3	12.0	-26.7	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	17.9	12.6	2.7	19.1	46.2	9.8	14.1	10.8	12.1	13.3	16.9	10.5	
301 (30110 & 30120)	Pembinaan kapal dan bot	0.9	11.8	7.2	2.6	-3.9	-1.3	26.2	31.3	-1.9	-4.7	21.6	-11.5	
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	0.4	19.3	38.5	16.9	-3.7	-6.3	0.2	-0.1	-3.7	12.2	
30910	Pembuatan motosikal	26.3	5.6	-11.4	21.2	69.4	44.1	11.7	-3.2	10.3	5.1	13.3	36.0	
30920	Pembuatan basikal dan <i>invalid carriages</i>	24.3	-19.2	2.3	40.1	46.5	17.3	-6.5	-15.3	-26.6	-26.7	0.2	-10.5	
	Industri lain	9.5	3.0	5.1	8.7	21.4	6.1	-8.4	-2.5	11.2	12.4	-12.5	12.0	
310	Pembuatan perabot	9.8	0.2	6.7	18.9	29.4	-5.2	-5.7	-1.9	-1.4	9.8	-6.8	11.2	
31001	Pembuatan perabot kayu dan rotan	1.0	-1.4	-11.9	2.7	35.4	-4.4	-9.5	-1.4	-2.6	9.2	-9.6	11.8	
	Industri lain	20.5	1.8	40.3	39.3	23.6	-6.0	-1.5	-2.4	-0.1	10.3	-3.7	10.6	
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	25.5	-1.4	-8.1	19.0	133.9	16.8	6.4	-8.1	-7.3	5.7	6.9	11.2	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	10.7	12.8	13.1	13.6	17.0	0.1	4.3	18.3	17.7	10.6	4.4	0.4	
32901	Pembuatan alat tulis	9.5	6.1	-4.0	1.0	37.2	7.7	14.6	11.0	-3.9	4.8	17.7	-7.5	
	Industri lain	11.0	14.9	19.4	18.5	11.0	-2.0	1.2	20.7	25.6	12.4	0.5	3.0	
323/ 32300	Pembuatan barangan sukan	5.4	15.5	-1.4	-12.0	30.1	15.5	16.6	30.6	11.7	4.1	14.2	8.7	
324/ 32400	Pembuatan permainan dan mainan	2.6	-15.1	27.9	16.7	-3.4	-23.8	-28.1	-6.5	-5.1	-18.1	-32.5	-9.1	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.9	7.3	6.1	10.1	10.2	6.2	7.4	11.5	10.6	1.4	9.1	3.2	
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	17.8	7.9	13.1	24.6	22.4	13.9	10.2	9.3	9.2	4.0	18.0	11.0	
	Industri lain	2.8	6.9	2.6	3.1	3.7	2.1	5.9	12.8	11.5	-0.1	4.9	-1.0	
Jumlah Pembuatan		15.8	0.2	12.8	17.4	22.5	11.1	8.2	-1.0	-2.9	-2.7	8.3	1.9	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
21.8	28.7	27.5	23.0	38.7	5.0	16.3	23.2	28.8	36.5	25.7	21.9	44.7	33.2	Manufacture of optical instruments, photographic equipment, magnetic and optical media
14.3	10.5	3.1	-1.6	13.7	6.3	17.6	19.8	25.2	14.4	8.9	9.4	8.6	4.7	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-7.6	-3.4	-17.4	-25.1	-9.8	-18.7	-7.8	11.5	17.6	10.9	-6.4	5.0	4.9	0.8	Manufacture of electric motors, generators and transformers
26.5	17.1	13.2	11.2	25.3	18.6	29.9	23.5	28.4	15.9	16.1	11.1	10.1	6.2	Manufacture of electricity distribution and control apparatus
34.6	33.5	18.9	39.8	27.6	12.7	-27.8	-25.6	-24.9	-26.9	-10.3	-19.4	-6.7	-4.0	Manufacture of batteries and accumulators
-13.1	-5.5	-9.5	-19.0	-8.2	-10.4	-8.9	-10.7	-4.5	-2.5	-3.1	-7.4	1.6	-11.3	Manufacture of wiring and wiring devices
29.5	20.3	21.3	8.1	42.7	38.6	38.0	41.5	39.1	40.9	7.9	8.3	8.2	9.3	Manufacture of fibre optic cables
-13.2	-5.4	-9.1	-19.2	-9.5	-11.2	-10.1	-13.3	-6.3	-4.4	-4.1	-8.2	0.2	-13.6	Manufacture of other electronic and electric wires and cables
-29.3	-19.8	-27.2	-30.2	-16.4	-22.6	-17.4	-1.1	5.2	6.2	6.7	-5.7	19.6	10.3	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
19.2	12.1	-1.0	-1.2	6.8	-1.8	24.7	15.9	12.2	18.9	10.0	-1.2	26.1	15.2	Manufacture of electric lighting equipment
-9.3	11.8	7.8	-1.9	0.8	0.3	-3.4	0.5	-6.2	-12.1	-13.2	-17.0	4.6	3.7	Manufacture of domestic appliances
10.2	10.8	9.8	19.8	35.4	19.7	30.8	17.8	15.0	8.0	8.1	3.5	2.2	-11.6	Manufacture of other electrical equipment
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	Manufacture of general-purpose and special-purpose machinery
11.5	24.1	2.4	-25.5	-13.2	-23.7	-30.6	-39.1	-9.9	-12.5	6.4	9.2	8.6	-1.4	Manufacture of fluid power equipment
5.2	6.1	8.4	-11.6	-5.3	-8.7	-14.2	-6.3	-4.2	-3.0	2.1	2.6	11.8	11.1	Manufacture of other pumps, compressors, taps and valves
-23.6	-22.8	-18.5	-21.2	-2.6	-27.1	-29.5	-20.7	-18.1	-11.9	5.3	2.2	5.9	4.9	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
32.8	37.6	39.8	28.7	18.6	-9.5	-3.7	-32.8	-17.3	-15.1	-15.2	-28.3	-19.8	-24.3	Manufacture of metal-forming machinery and machine tools
9.0	15.5	13.5	8.8	20.7	20.8	16.2	21.5	13.0	14.8	12.3	6.5	9.0	9.2	Manufacture of air-conditioning machines, including for motor vehicles
23.2	18.7	33.5	-13.4	22.3	9.3	26.7	16.0	11.1	24.3	10.9	5.1	29.4	19.6	Manufacture of other special-purpose machinery n.e.c.
8.9	15.5	-3.6	-15.2	6.7	10.0	43.3	29.2	11.5	12.7	9.8	8.5	-25.1	-28.4	Manufacture of other special-purpose machinery n.e.c.
16.0	17.9	9.4	-1.2	22.4	11.7	14.8	12.1	9.4	15.4	12.3	12.5	16.9	3.9	Manufacture of other special-purpose machinery n.e.c.
16.1	27.6	34.9	39.8	41.3	12.7	-5.5	-3.7	2.8	0.2	-10.7	-3.7	-12.3	-10.6	Manufacture of motor vehicles
-5.4	-1.8	-3.5	-15.8	-1.1	-0.2	2.3	1.0	-2.5	-6.5	6.0	-0.03	13.9	10.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
12.1	14.6	8.9	-12.3	-3.6	6.9	10.9	8.7	11.1	5.0	5.5	4.7	41.4	30.3	Manufacture of parts and accessories for motor vehicles
-6.4	8.4	-17.6	-18.2	-12.8	-14.7	-22.4	-25.7	-31.2	-30.2	-25.3	-24.3	-4.3	-17.0	Building of ships and boats
-12.0	-13.0	-1.0	-16.2	8.2	4.8	12.3	13.6	8.0	1.9	24.2	10.7	9.2	15.0	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.
-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	Manufacture of motorcycles
-15.2	-3.2	-9.3	-2.6	10.9	-12.6	-5.0	1.0	-3.7	6.1	9.1	12.1	13.7	9.8	Manufacture of bicycles and invalid carriages
-4.0	-3.4	3.2	-13.4	5.8	2.9	2.8	-0.5	-1.9	10.0	10.2	10.8	12.4	8.6	Other industry
4.8	9.5	5.3	-7.8	-7.9	-8.6	-8.8	-10.2	-3.7	2.5	4.7	9.7	12.4	9.8	Manufacture of furniture
1.4	7.4	4.1	11.4	28.9	15.1	17.8	18.1	17.1	17.5	9.0	5.5	1.6	-0.9	Manufacture of wooden and cane furniture
16.9	18.6	8.6	14.3	14.6	4.3	-7.8	-5.0	2.2	6.9	-0.1	7.6	-4.7	-10.3	Manufacture of jewellery, bijouterie and related articles
-3.1	4.1	2.7	10.5	33.6	18.9	28.1	27.3	21.7	20.9	11.8	4.9	3.8	2.3	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
17.1	11.2	21.2	32.4	39.6	18.6	16.3	11.8	7.0	6.5	0.2	5.6	10.9	6.3	Manufacture of stationery
-28.1	-37.0	-18.9	-21.2	2.2	5.8	-0.9	-6.5	-7.2	-6.9	-25.6	-21.6	-15.9	-1.2	Manufacture of sports goods
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	Manufacture of games and toys
9.4	28.5	-0.3	12.6	6.7	6.5	2.8	15.0	9.4	5.8	3.4	2.8	9.2	12.8	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.8	9.5	7.8	8.1	15.6	16.4	15.5	8.7	10.8	1.4	-0.7	-0.8	0.3	-2.2	Repair and maintenance of transport equipment except motorcycles and bicycles
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	Other industry
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	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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	0.3	2.1	1.5	3.2	-0.5	5.5	-2.8	-0.1	1.9	5.4
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-7.1	0.0	-2.0	2.5	0.7	2.6	4.4	1.0	8.1	-10.7
10201 & 10202	Pengetinan ikan, krustasea dan moluska	-7.2	0.4	-2.6	2.2	0.2	2.6	4.7	0.3	8.6	-11.6
	Pemprosesan dan pengawetan ikan, krustasea dan moluska										
	Industri lain	-5.8	-6.6	8.1	6.8	7.4	1.3	-0.4	11.7	1.6	2.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	6.0	-0.7	2.6	3.5	10.3	16.0	3.3	1.7	4.7	3.5
10303 & 10304	Pengetinan nanas	-7.7	2.7	28.2	5.1	8.4	28.3	3.2	4.1	8.7	6.8
	Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	9.4	-1.4	-2.8	3.1	10.9	12.6	3.3	0.9	3.7	2.6
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-20.8	41.6	-6.5	0.3	-21.1	0.8	8.1	10.1	-18.1	-5.4
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	-2.8	28.7	13.5	-12.0	-4.9	5.1	1.1	-2.3	-17.4	6.7
	Pembuatan sebatian lemak masakan										
10405	Pembuatan minyak kelapa	15.7	-3.3	14.2	-3.9	-20.3	-13.8	13.2	10.2	-17.8	-13.9
	Industri lain	-22.8	43.6	-8.9	2.0	-23.1	0.3	9.1	11.9	-18.1	-6.9
105	Pembuatan produk tenusu	3.9	3.2	1.8	-1.3	0.2	4.1	-7.8	0.2	-3.1	2.6
10502	Pembuatan susu pekat, tepung dan sejat	4.1	3.7	1.3	-1.0	0.7	3.8	-9.2	0.1	-3.6	3.8
	Industri lain	2.0	-4.4	8.2	-6.2	-6.5	7.8	13.8	0.7	3.7	-13.4
106	Pembuatan produk bijian, kanji dan produk berkanji	8.8	10.3	-6.1	4.3	1.5	1.6	-1.3	2.1	-4.7	6.7
10611	Pengilangan beras	9.9	18.0	-7.3	0.6	2.4	3.6	-4.8	-0.3	-7.4	17.4
10613	Pengilangan tepung	9.1	3.4	-5.1	7.1	1.7	0.2	2.2	4.2	-1.9	-2.0
	Industri lain	-10.4	3.8	-0.5	19.7	-13.8	-7.1	2.7	5.7	-7.4	-6.9
107	Pembuatan produk makanan lain	2.5	4.8	1.3	-0.1	0.9	4.6	1.8	4.3	-0.6	1.2
10711	Pembuatan biskut dan cookies	17.9	6.1	-5.8	6.4	-1.0	13.5	11.3	12.5	-6.3	8.1
10712	Pembuatan roti, kek dan produk bakeri lain	0.7	13.3	-0.1	-4.9	10.0	6.0	-3.1	-5.2	6.4	-4.6
10713	Pembuatan produk snek	5.5	4.5	-5.4	7.0	-4.6	14.1	7.9	11.2	-10.9	3.4
10721	Pembuatan gula	-7.7	-5.2	-3.6	2.2	-0.6	16.0	9.1	9.4	-2.9	2.7
10731	Pembuatan produk koko	1.3	-6.5	4.9	4.5	2.1	-3.8	2.1	7.5	0.4	11.1
10732	Pembuatan coklat dan produk coklat										
& 10733	Pembuatan konfeksi gula	6.3	7.0	-0.3	-3.3	-1.4	0.2	-2.4	4.9	1.6	-1.7
10793	Pembuatan sos dan bahan perasa	-5.2	-4.9	-3.9	7.2	-1.5	1.0	8.0	8.2	-5.9	10.3
10799	Pembuatan produk makanan lain t.t.t.l.	10.6	4.4	10.3	4.0	-6.3	-1.8	3.1	11.1	-4.9	3.4
	Industri lain	-2.1	3.1	7.9	-0.5	0.8	5.2	2.6	1.2	-3.3	3.2
108/10800	Pembuatan makanan haiwan tersedia	1.7	18.8	1.1	-2.7	2.9	14.8	2.9	-5.1	-0.3	2.3
110	Pembuatan minuman ringan	5.9	-5.1	6.7	0.3	-1.4	-2.3	4.9	4.7	1.5	-0.4
11041	Pembuatan minuman ringan	0.8	-10.1	5.5	7.4	-4.3	-1.2	9.7	5.0	-7.9	3.6
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3.4	-3.9	3.4	-5.9	3.1	3.1	8.0	-6.2	-2.8	11.9
	Industri lain	16.0	2.2	9.2	-7.3	2.0	-5.4	-3.4	7.7	18.5	-8.7
120/12000	Pembuatan produk tembakau	-8.1	-22.9	-13.2	36.0	29.1	-16.7	-19.0	25.1	30.3	-11.5
131	Pemintalan, penenunan dan penyiapan tekstil	4.5	-3.0	-2.6	2.5	-8.9	0.3	-6.9	-1.3	-10.8	-8.9
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	10.0	-4.1	-2.6	3.7	-5.6	-0.8	-11.1	-4.3	-9.3	-9.2
13132	Penenunan tekstil										
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-8.4	0.2	-2.9	-0.5	-18.9	4.4	7.2	7.4	-16.6	-7.5
	Industri lain	-22.6	-1.9	0.6	-10.9	-12.1	-12.8	-1.5	-13.0	12.5	-23.1
139	Pembuatan tekstil lain	-2.0	-0.6	-0.9	4.9	7.1	-2.5	0.5	8.6	6.4	-0.05
13910	Pembuatan fabrik dikait dan dikrusye	-4.5	-2.3	-2.6	4.8	-0.3	-2.6	-4.1	3.6	0.01	0.2
	Industri lain	0.2	0.9	0.4	5.0	13.0	-2.4	3.7	11.8	11.4	-0.2
141	Pembuatan pakaian, kecuali pakaian berbulu	-1.2	-10.0	0.2	10.6	2.6	-6.1	0.6	7.2	-2.8	0.7
14102	Pembuatan pakaian	-3.0	-9.7	2.1	10.6	0.7	-4.1	1.0	6.4	-4.5	-0.04
	Industri lain	12.1	-11.7	-12.0	10.9	16.6	-18.9	-2.8	13.4	12.2	5.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-7.0	-10.7	8.3	12.0	9.8	-10.0	3.5	19.1	12.6	5.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	2.0	-18.9	13.9	25.0	-7.8	-13.6	6.2	25.2	-2.7	-3.5
152	Pembuatan kasut	4.2	-10.7	4.4	10.7	2.9	-2.5	2.6	11.4	3.9	-7.2
15201 & 15203	Pembuatan kasut kulit	0.9	-11.3	19.1	8.8	-1.4	-2.4	6.1	14.1	4.2	-10.3
	Pembuatan kasut getah										
	Industri lain	9.5	-9.8	-17.4	14.7	11.7	-2.7	-3.6	5.9	3.5	-1.3
161/16100	Pengilangan dan pengetaman kayu	9.0	-31.0	18.5	15.4	7.7	-29.9	5.8	16.1	-3.0	2.1

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.9	4.8	0.2	-1.8	-3.6	2.9	0.2	-0.03	1.6	-6.6	5.9	2.6	Processing and preserving of meat
5.2	-3.0	12.3	-5.3	4.8	-1.2	0.7	3.2	-1.5	-3.4	4.5	-10.8	Processing and preserving of fish, crustaceans and molluscs
5.5	-2.9	12.6	-5.2	5.6	-1.6	0.0	3.4	-1.9	-3.6	4.7	-11.4	Canning of fish, crustaceans and molluscs
1.8	-3.8	8.1	-5.9	-6.6	6.2	11.7	-0.1	3.6	-0.8	2.0	-2.6	Processing, curing and preserving of fish, crustacean and molluscs
16.1	-2.4	8.0	4.0	-3.2	-1.3	7.2	-1.5	1.1	-5.1	8.3	-6.8	Processing and preserving of fruits and vegetable
17.9	-5.2	21.8	11.4	-10.1	-3.2	9.0	2.9	-0.7	-8.7	6.2	-5.1	Pineapple canning
15.5	-1.6	4.1	1.6	-0.8	-0.7	6.6	-2.9	1.7	-3.9	9.0	-7.3	Manufacture of jams, marmalades and table jellies
-6.8	5.1	3.6	0.4	-3.9	8.7	14.1	0.9	-3.5	-0.3	1.1	-21.1	Manufacture of vegetable and animal oils and fats
1.2	0.3	6.4	-6.9	-1.4	6.5	3.0	-2.3	-9.1	6.9	5.4	-12.6	Manufacture of crude and refined vegetable oil
-9.7	-11.6	25.8	-16.3	10.3	10.5	1.4	10.0	-14.4	20.2	-0.3	5.3	Manufacture of compound cooking fats
-8.0	6.0	3.0	1.7	-4.4	9.0	15.8	1.3	-2.7	-1.3	0.5	-22.5	Manufacture of coconut oil
7.9	-1.1	2.1	-6.3	-6.9	6.0	-3.3	2.3	1.7	-8.6	0.05	0.5	Manufacture of dairy products
8.2	-1.3	1.7	-7.0	-7.6	6.0	-4.0	2.6	2.2	-8.9	-1.1	1.3	Manufacture of condensed, powdered and evaporated milk
2.9	3.0	9.7	4.1	2.1	5.2	5.5	-0.2	-4.1	-4.6	13.1	-7.4	Other industry
2.6	-2.0	3.7	-7.6	-0.6	3.1	4.2	-0.5	-0.8	-1.8	5.8	-6.5	Manufacture of grain mill products, starches and starch products
0.2	-0.4	5.3	-13.5	0.2	2.3	4.7	-2.1	-2.9	0.1	3.4	-5.8	Rice milling
5.4	-3.6	2.3	-1.5	-1.5	4.2	3.4	1.0	1.1	-3.5	7.8	-7.2	Flour milling
-0.1	-2.7	-2.4	-1.1	1.4	-1.3	11.2	0.2	-0.8	-1.9	9.3	-6.9	Other industry
2.1	-2.1	9.4	-3.5	-1.9	4.1	1.5	1.6	1.9	-2.7	1.6	-3.4	Manufacture of other food products
0.8	-0.2	15.9	-0.7	6.0	0.5	0.7	7.9	6.7	-2.5	-7.9	-9.1	Manufacture of biscuits and cookies
6.3	-4.7	14.2	-2.4	-4.3	2.6	-9.0	0.7	0.05	-1.6	7.2	-6.0	Manufacture of bread, cakes and other bakery products
13.3	-1.5	10.3	-3.3	-1.2	9.3	5.3	1.3	6.1	-2.5	6.3	-11.7	Manufacture of snack products
-0.8	-0.2	18.2	9.3	-7.5	4.3	8.1	3.5	2.1	-7.1	-4.9	0.8	Manufacture of sugar
-14.4	-0.3	10.4	-9.1	5.7	-0.5	0.3	8.5	-0.3	-2.2	18.3	1.2	Manufacture of cocoa products
1.1	-1.0	6.8	-9.5	-2.4	6.0	2.1	-0.4	4.3	-2.6	-2.5	0.4	Manufacture of chocolate and chocolate products
2.8	1.8	-12.7	9.8	-2.5	9.6	7.1	0.02	-0.1	1.4	-0.5	-2.7	Manufacture of sugar confectionery
1.9	-3.9	4.4	-8.7	-1.0	8.8	9.2	3.0	0.7	-3.8	-2.2	-3.9	Manufacture of sauces and condiments
3.6	-2.3	7.4	-2.5	-0.2	0.9	4.7	-1.0	-0.9	-1.5	4.4	-3.7	Manufacture of other food products n.e.c.
6.0	6.5	5.1	-1.1	1.9	-0.03	0.3	0.7	-3.5	-11.4	4.0	-1.1	Other industry
6.8	0.4	-6.3	-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-5.8	Manufacture of prepared animal feeds
8.5	0.6	-10.5	-3.0	20.2	-2.2	-5.2	16.8	-10.1	2.2	-0.4	-5.6	Manufacture of beverages
6.9	0.4	-4.8	-6.0	9.6	7.0	-0.8	-2.4	-5.0	-6.9	0.1	4.7	Manufacture of soft drinks
4.2	0.3	-0.1	-15.7	-4.9	20.5	1.4	10.4	-9.2	-8.9	8.3	-9.3	Production of natural mineral waters and other bottled waters
29.7	-20.7	4.9	-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	Other industry
8.8	-4.0	5.0	-4.0	-4.1	1.9	-9.0	2.0	3.2	1.0	12.1	-8.3	Manufacture of tobacco products
8.3	-3.7	5.9	-8.3	-3.6	0.1	-12.4	0.5	4.8	2.6	12.5	-9.2	Spinning, weaving and finishing of textiles
10.9	-4.9	1.7	12.1	-5.8	7.0	1.0	5.7	-0.5	-2.6	10.8	-6.2	Preparation and spinning of textile fibres
-0.7	-4.6	8.9	-13.3	2.5	16.0	-20.5	1.9	-1.1	-12.8	26.8	13.4	Weaving of textiles
-0.8	-2.1	-0.1	0.7	-1.5	1.6	1.5	5.2	3.4	-1.5	9.8	-1.8	Dyeing, bleaching, printing and finishing of yarns and fabrics
-0.1	-2.6	-0.2	0.3	-4.6	1.6	-2.1	3.8	2.0	-1.6	10.0	-0.9	Other industry
-1.3	-1.8	0.04	1.0	0.6	1.6	3.9	6.0	4.2	-1.4	9.6	-2.4	Manufacture of other textiles
-0.2	-5.3	1.1	-4.7	5.6	-3.6	1.4	3.9	7.6	-4.3	5.1	-7.6	Manufacture of knitted and crocheted fabrics
-2.0	-2.2	1.7	-5.2	6.6	-3.6	-0.1	4.0	7.6	-3.9	4.3	-9.1	Other industry
12.3	-24.2	-3.5	-0.8	-2.7	-4.1	14.1	2.9	7.8	-7.3	12.2	3.2	Manufacture of wearing apparel, except fur apparel
1.3	-12.5	1.1	-1.0	-0.9	-4.1	23.4	6.6	3.9	-10.7	14.1	1.3	Manufacture of clothings
4.8	-12.7	0.4	-9.5	2.3	9.6	12.3	10.5	8.4	-9.6	-2.6	-3.3	Other industry
5.4	0.3	-3.5	-4.5	2.8	9.7	-6.1	9.2	5.1	-0.5	1.6	-10.2	Manufacture of articles of fur, knitted and crocheted apparel
4.3	2.0	-4.1	-2.3	3.8	10.6	-4.7	9.8	5.7	0.2	0.6	-12.0	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7.4	-2.5	-2.5	-8.5	1.0	8.1	-9.1	8.0	3.8	-1.8	3.8	-6.4	Manufacture of footwear
13.6	-21.8	-19.3	-19.1	4.3	45.4	-5.9	11.7	-3.3	-3.0	10.8	-11.9	Manufacture of leather footwear
												Manufacture of rubber footwear
												Other industry
												Sawmilling and planning of wood

Jadual Table **1.4c** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	6.8	-36.0	11.5	28.9	2.5	-35.0	8.3	30.5	3.0	-4.2
16211	Pembuatan kepingan venier dan papan lapis	4.3	-39.6	11.6	39.7	7.0	-37.5	9.0	35.8	9.1	-4.5
16212	Pembuatan papan partikel dan papan gentian	5.5	-33.5	13.7	22.6	-5.3	-32.2	6.1	27.2	-8.0	-1.4
16221	Pertukangan kayu untuk jurubina	7.3	-34.0	9.1	28.6	2.9	-36.6	14.0	27.0	6.1	-11.3
	Industri lain	22.7	-29.0	7.7	4.4	3.3	-28.0	4.4	17.4	2.9	-2.0
170	Pembuatan kertas dan produk kertas	0.9	3.4	2.9	-1.1	5.6	-2.4	0.1	2.5	1.9	3.6
17010	Pembuatan pulpa, kertas dan kertas tebal	7.2	-3.3	2.1	1.0	-1.2	-9.0	3.6	6.7	5.4	2.9
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-9.7	7.7	4.4	-1.3	-2.8	-6.0	0.1	3.9	-4.4	1.2
17091	Pembuatan sampul surat dan kad surat	-3.7	8.6	18.5	5.3	-4.5	-7.1	-5.2	-2.9	4.0	-14.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	12.0	-0.5	-1.7	-1.4	18.4	-0.8	-2.1	-3.0	5.1	4.8
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	8.1	13.7	6.3	-7.0	14.0	8.2	-5.5	2.1	6.6	9.4
	Industri lain	3.1	-2.1	2.5	3.4	22.5	8.6	7.5	3.6	8.3	8.1
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.8	-7.7	-1.8	14.2	3.8	-9.4	0.1	10.0	-1.4	1.7
18110	Percetakan	3.8	-9.4	-2.6	9.1	3.1	-7.7	2.3	11.1	-0.3	2.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	4.0	-0.1	1.7	34.7	6.1	-15.0	-7.2	6.1	-4.5	0.2
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-8.2	32.0	25.4	-9.6	-18.5	1.5	3.4	-7.6	5.3	-23.4
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5.7	-10.8	2.4	-3.3	5.9	-13.3	3.3	-3.3	-0.8	-0.3
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-2.7	60.8	7.6	2.4	-10.3	-27.3	-4.5	15.5	-8.1	-10.2
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	9.5	-15.5	8.5	-5.8	7.1	-19.3	4.9	-4.1	-2.1	0.3
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	9.8	-12.3	-5.3	-3.4	5.8	-12.4	-10.7	-8.6	3.8	-6.2
20131	Pembuatan plastik dalam bentuk primer	-5.6	-8.9	-10.2	3.1	7.8	-2.8	5.8	-2.0	0.5	1.7
	Industri lain	42.2	2.3	19.6	-9.8	-1.6	-8.3	-1.6	-4.4	1.6	-1.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	9.1	-2.7	10.9	6.1	6.0	-3.3	8.1	1.5	-0.1	-4.4
20210	Pembuatan racun perosak dan produk agrokimia lain	33.1	-12.2	1.2	30.2	2.9	-3.0	9.8	-2.4	-8.2	-10.6
20221	Pembuatan cat, varnis dan penyadur dan mastik	5.0	-6.3	0.6	5.2	19.8	6.0	9.0	1.6	4.6	0.3
20222	Pembuatan dakwat cetak	17.1	-1.0	-4.9	1.4	3.9	-4.3	-1.7	-6.7	1.5	-4.5
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap Pembuatan pewangi dan penyediaan dandanan diri	8.4	0.4	22.3	-2.8	3.1	-5.2	8.8	-3.2	-1.4	-0.1
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials Pembuatan dakwat menulis dan melukis	4.0	1.5	11.1	15.4	-3.2	-11.4	5.7	12.2	0.9	-13.2
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	7.5	8.8	28.2	-7.0	6.4	-23.3	6.5	28.8	2.8	-6.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	0.4	3.7	7.7	-4.5	5.0	-2.7	3.2	-1.9	5.0	1.1
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	3.3	3.5	6.3	-6.6	6.9	-1.5	0.9	-1.2	8.2	0.8
	Industri lain	-12.4	4.9	15.3	5.6	-2.8	-8.4	14.7	-4.9	-7.7	2.2
221	Pembuatan produk getah	-0.3	13.7	-15.9	-6.7	0.04	11.3	-12.0	-1.4	-3.2	-6.8
22111	Pembuatan tayar getah untuk kenderaan	-15.6	-4.2	-21.9	-21.0	-0.9	-7.0	-10.7	-12.9	2.1	-5.9
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	-12.4	3.9	6.6	-3.1	20.9	1.4	1.5	5.4	4.0	17.0
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan Pengilangan semula getah dan prosesan susu getah	-8.8	21.4	-3.9	-8.5	-14.3	-1.9	-1.8	13.7	-11.9	-9.1
2024	22192 Pembuatan sarung tangan getah	4.3	15.9	-19.5	-5.7	4.2	16.0	-15.6	-3.4	-0.9	-7.2
	22199 Pembuatan produk getah lain yang t.t.t.l.	-6.6	4.9	0.5	-3.0	-12.5	0.9	6.3	1.9	-11.1	-5.2
222	Pembuatan produk plastik	-2.3	9.4	-1.0	-3.8	-7.1	11.7	-0.3	-0.8	-10.7	-0.2
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	-7.1	15.3	-5.3	-9.1	-2.6	10.0	-4.9	-4.0	-7.2	2.5
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1.9	21.0	4.1	-2.2	-14.4	12.6	0.1	-0.7	-15.8	-0.7
22204	Pembuatan barangan plastik jurubina	-2.7	16.8	1.6	-7.7	16.8	22.2	10.5	-0.8	-11.9	24.3
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	12.6	12.7	5.4	-4.9	-4.0	24.4	-7.8	-10.2	-2.9	-9.3
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-6.7	-11.6	-7.0	1.3	-5.8	3.7	7.1	8.0	-10.1	-1.4
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.0	-10.2	-5.1	5.5	5.9	-7.7	-7.0	7.5	-3.1	-4.1

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
6.0	-22.5	-20.9	-16.1	-0.2	41.1	13.5	11.1	-1.8	-2.3	13.2	-6.4	Manufacture of products of wood, cork, straw and plaiting materials
5.7	-23.6	-23.1	-17.7	-1.8	46.0	20.1	12.2	-2.2	-5.0	15.1	-4.1	Manufacture of veneer sheets and plywood
8.3	-22.3	-17.9	-18.1	-0.1	37.0	14.6	6.2	-1.0	2.6	11.1	-11.5	Manufacture of particle board and fibreboard
3.7	-23.6	-19.8	-9.0	7.6	37.3	-5.1	23.3	-1.8	-6.1	11.2	-0.4	Manufacture of builders' carpentry
3.6	-15.7	-20.0	-10.2	-2.0	35.4	1.7	6.4	-1.8	2.4	11.8	-10.5	Other industry
5.3	-2.1	-5.7	-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	Manufacture of paper and paper products
-9.9	-0.8	2.0	-11.3	0.8	14.5	2.9	2.1	-2.7	0.1	3.6	2.4	Manufacture of pulp, paper and paperboard
7.3	-5.7	-4.9	-6.1	1.6	4.0	5.6	0.3	-1.2	-2.1	0.2	-11.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
12.3	-4.4	-8.0	1.7	-3.2	-0.6	-0.03	0.8	-4.9	-0.5	4.5	-5.6	Manufacture of envelopes and letter-card
12.0	-2.8	-8.2	-4.0	-0.6	8.7	-4.4	-3.8	3.4	-3.6	3.1	3.4	Manufacture of household and personal hygiene paper
13.5	5.4	-19.2	17.7	-6.8	-3.0	0.5	2.6	-1.2	2.9	5.9	10.1	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
3.5	1.1	5.3	-3.1	4.4	4.7	0.5	-1.2	5.5	-2.1	8.9	-2.4	Other industry
-1.4	-6.1	-4.8	-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	Printing, service activities related to printing and reproduction of recorded media
1.3	-6.0	-5.3	0.4	2.3	0.6	3.3	-2.6	18.8	-2.9	0.9	-0.2	Printing
-9.6	-6.4	-3.3	-2.0	-3.0	-0.3	-5.3	4.6	7.6	0.8	0.2	-0.9	Service activities related to printing
												Reproduction of recorded media
3.7	4.5	7.5	-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	Manufacture of refined petroleum products
4.3	-15.4	1.2	-3.1	1.2	10.7	-9.0	-2.8	3.5	0.8	6.6	-4.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-13.0	-14.6	3.7	-15.0	9.8	-2.6	-7.1	8.9	23.9	-8.5	0.7	-0.6	Manufacture of liquefied or compressed inorganic industrial or medical gases
												Manufacture of basic organic chemicals
2.7	-17.1	-6.4	-0.5	2.2	14.0	-10.6	-7.5	9.2	2.7	7.6	-2.4	Manufacture of inorganic compounds
												Manufacture of fertilizers
5.0	-10.9	8.8	-23.7	-1.1	15.2	-11.2	0.4	-5.3	-7.2	-7.9	-6.1	Manufacture of associated nitrogen products
9.5	-15.2	11.8	-1.2	0.7	6.6	-6.2	1.4	-1.7	-0.03	5.8	-6.8	Manufacture of plastics in primary forms
1.2	-8.5	0.4	-1.5	-2.3	7.6	-9.7	3.8	-6.1	1.2	17.2	-9.9	Other industry
9.0	-13.0	9.4	0.8	1.2	5.3	-1.1	-0.8	1.0	1.9	14.0	-15.1	Manufacture of other chemical products and man-made fibres
8.9	-6.8	-4.1	15.3	-0.4	3.9	-2.3	4.9	-6.7	-7.3	12.0	-2.7	Manufacture of pesticides and other agrochemical products
17.8	-13.9	15.4	0.9	-1.7	9.4	-2.5	-1.9	-0.5	8.0	18.1	-15.2	Manufacture of paints, varnishes and similar coatings ink and mastics
0.3	-6.2	4.7	0.8	0.7	-1.0	-11.2	-8.9	18.4	-2.0	22.8	-11.1	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
9.1	-17.5	13.4	-1.2	3.9	5.5	-6.7	-3.0	2.9	2.2	17.5	-20.0	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-2.7	-6.8	4.1	-2.8	0.4	2.2	13.1	2.5	2.1	-3.0	4.5	-13.7	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
9.0	-16.3	-12.8	-9.8	26.6	-24.9	45.5	0.1	13.4	7.2	-18.4	-9.3	Other industry
6.4	-4.6	-8.6	10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	Manufacture of pharmaceuticals, medicinal chemical and botanical products
												Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
6.6	-2.2	-9.9	9.8	-4.1	2.7	2.0	0.6	-4.8	-2.3	3.8	5.2	
5.5	-15.5	-2.1	16.3	3.4	0.3	3.3	1.8	-14.0	2.4	12.2	0.04	Other industry
38.9	-4.0	-4.0	-3.2	-3.4	-10.1	3.7	3.5	-3.7	-3.5	7.1	-8.6	Manufacture of rubber products
6.2	-11.0	5.8	-4.0	-2.5	-10.2	-2.8	3.7	-16.0	-1.8	5.7	-6.5	Manufacture of rubber tyres for vehicles
8.8	-12.1	7.0	-1.8	-4.6	2.6	10.7	1.8	-3.1	-5.5	3.9	-9.7	Manufacture of interchangeable tyre treads and retreading rubber tyres
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
14.7	-7.7	1.3	-1.65	1.6	-4.7	1.2	13.1	2.1	-0.1	0.02	-10.9	Rubber remilling and latex processing
50.2	-3.0	-5.4	-4.4	-5.1	-11.9	4.4	2.6	-4.4	-4.8	8.6	-7.9	Manufacture of rubber gloves
10.7	-4.0	-2.6	5.7	5.1	-4.0	3.5	0.8	-0.2	1.0	6.1	-11.4	Manufacture of other rubber products n.e.c.
12.6	4.0	4.3	-9.8	5.9	-0.5	-0.6	-0.3	1.0	-1.6	-4.7	-4.0	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
10.7	-0.1	6.8	-6.6	-0.7	-4.2	2.6	-2.0	-3.5	-0.1	-2.3	-5.9	Manufacture of finished plastic products
9.2	6.0	6.8	-11.4	8.2	-2.1	-1.0	0.04	2.9	-3.6	-5.2	-1.4	Manufacture of plastic articles for the packing of goods
29.3	-2.1	4.0	-8.6	14.4	1.0	1.7	-1.5	5.1	-11.9	-4.2	-3.0	Manufacture of builders' plastics ware
28.4	10.7	-0.9	-1.8	-3.7	-1.8	-5.0	0.6	-11.4	1.9	-1.6	-6.4	Manufacture of plastic tableware, kitchenware and toilet articles
9.0	3.7	0.6	-16.3	15.9	7.1	-1.8	0.8	8.8	0.7	-8.0	-4.6	Manufacture of diverse plastic products n.e.c.
6.5	-7.7	-0.3	-7.6	1.7	-0.3	-10.0	2.7	16.5	4.0	8.2	-4.0	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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	10.2	-10.4	-0.5	7.7	12.9	-10.8	0.5	6.9	3.5	2.6
23911 & 23921	Pembuatan mortar refraktori dan konkrit	11.1	-23.6	-1.6	11.2	10.7	-6.4	2.3	6.3	-1.3	3.9
23930	Pembuatan seramik bukan refraktori	-3.0	5.3	-3.8	-3.5	-0.6	-6.9	1.2	5.8	3.3	-4.8
23941	Pembuatan produk porselin dan seramik lain	8.4	-5.7	-0.1	12.5	15.2	-12.2	-3.2	6.4	8.1	0.3
23951	Pembuatan simen hidrolik	4.4	-7.3	1.0	6.4	13.7	-11.0	0.5	4.4	2.3	2.5
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; atau kejuruteraan awam dari simen, batu atau konkrit buatan	11.3	-14.4	-1.5	7.0	11.7	-9.8	2.8	8.4	1.0	3.1
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	23.2	-6.6	0.8	3.5	11.2	-14.5	3.7	10.2	1.5	10.5
	Industri lain	19.7	-15.2	-1.0	4.2	20.4	-6.7	-6.7	1.0	15.0	-2.7
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-4.0	-18.6	7.6	19.4	2.2	-19.1	7.2	21.5	-0.6	3.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	0.7	-17.1	0.7	24.0	-0.8	-18.9	-1.0	27.6	-4.7	0.9
243	Pengacuan logam	-3.3	6.2	-6.0	14.1	-6.7	5.6	1.2	5.3	-9.1	-2.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	9.4	-8.3	-3.8	10.3	10.1	-0.8	-6.3	8.8	4.3	-8.3
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	16.6	-13.1	-5.5	11.0	14.5	-0.9	-8.7	8.3	6.0	-5.0
25120	Pembuatan produk struktur logam lain	-7.4	6.6	-1.2	9.3	-0.7	0.4	0.0	11.2	0.6	-17.1
	Pembuatan tangki, takungan dan kontena daripada logam	4.1	-10.2	14.2	3.8	9.8	-8.7	-3.0	-3.7	-0.1	-5.7
	Industri lain										
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.7	0.4	-7.8	9.2	4.5	-3.5	-1.3	10.7	1.3	0.6
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	6.1	2.0	3.2	3.6	-1.0	0.2	1.5	2.5	0.4	-2.6
25920	Rawatan dan penyalutan logam; menggunakan mesin	-2.5	2.0	1.4	16.8	10.9	-15.7	-6.4	21.5	9.0	-3.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.1	-9.9	1.0	-1.4	3.7	-0.4	7.0	10.7	-0.3	1.4
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.7	-4.2	-20.8	11.3	6.7	-3.5	-5.2	9.7	1.8	2.0
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25999	Pembuatan barangan rumah daripada logam	11.0	0.6	7.9	-0.8	9.0	-1.3	0.7	4.3	7.8	-2.8
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	-3.8	17.4	-5.2	14.3	0.6	-1.9	-2.3	13.5	-3.4	2.4
	Industri lain	8.5	-5.0	2.4	17.6	21.8	-1.1	7.3	8.0	15.6	0.4
261	Pembuatan komponen dan papan elektronik	4.5	2.3	16.4	0.5	-2.7	-5.6	6.7	-7.6	-12.8	15.9
26101 & 26102	Pembuatan diod, transistor dan alat semikonduktor yang seumpamanya	11.0	-0.8	11.8	0.2	-4.9	-8.1	11.3	-9.5	-14.5	10.0
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro										
26103 & 26104	Pembuatan kapasitor dan perintang elektrik	-5.0	7.6	24.5	0.3	1.3	-4.2	-1.0	-6.6	-10.6	25.8
26105	Pembuatan papan litar bercetak										
26109	Pembuatan komponen paparan	-2.5	7.2	11.8	7.5	-10.1	23.3	21.0	7.3	-7.2	4.2
262 (26201 & 26202)	Pembuatan komponen lain untuk aplikasi elektronik										
263/ 26300	Pembuatan komputer dan kelengkapan peranti	6.4	11.5	-26.4	10.0	8.0	12.9	-17.5	3.6	2.1	9.7
264/ 26400	Pembuatan komputer dan kelengkapan peranti										
263/ 26300	Pembuatan peralatan komunikasi	-4.0	-4.0	1.2	8.1	5.5	30.0	14.5	-12.4	-12.4	4.4
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.9	-8.3	11.3	-6.4	-5.0	-2.6	20.6	-8.2	-5.5	3.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	0.7	-11.5	25.0	4.3	-10.8	-13.0	23.7	12.4	-7.1	-14.4
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	4.2	-14.5	27.4	4.8	-8.9	-14.2	22.6	13.4	-6.7	-14.5
26520	Pembuatan kelengkapan kawalan proses perindustrian	-21.2	13.1	10.1	0.4	-25.3	-2.4	32.9	4.5	-10.4	-13.7
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya										
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-33.5	31.3	6.9	3.4	-12.0	-5.5	10.8	17.9	-10.8	2.4

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
3.3	-9.7	-6.3	0.4	0.4	2.6	0.6	-2.9	11.7	2.5	8.6	-5.4	Manufacture of non-metallic mineral products n.e.c.
												Manufacture of refractory mortars and concretes
3.6	-8.9	0.02	-2.5	-3.0	4.4	12.3	-5.7	6.1	-2.9	7.6	-7.2	Manufacture of non-refractory ceramic
-8.4	-0.3	2.5	-2.7	2.9	2.2	-6.3	7.9	3.9	-2.6	-9.0	-3.8	Manufacture of other porcelain and ceramic products
4.4	-8.6	-10.3	0.6	0.5	0.5	-2.3	-0.3	13.1	-1.4	8.5	-2.2	Manufacture of hydraulic cement
2.2	-12.4	-1.4	0.4	1.3	0.2	-2.3	-4.0	13.6	3.6	7.1	-5.2	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	-9.1	-7.6	2.4	0.7	4.2	1.2	-4.3	12.6	6.9	12.6	-9.5	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.
-0.1	-12.7	-6.3	-2.8	1.2	7.7	4.7	-2.0	10.1	-0.7	2.1	1.8	Manufacture of other non-metallic mineral products n.e.c.
9.2	-8.2	-3.0	-3.7	-5.6	-0.2	7.5	-4.9	1.6	1.0	5.6	-1.2	Other industry
6.2	-16.2	-10.9	-3.2	-6.3	18.4	23.9	-1.7	5.9	-3.9	-2.9	5.3	Manufacture of basic iron and steel
3.2	-3.7	-17.3	-22.4	-5.3	31.1	30.4	1.7	-2.7	0.4	-2.1	-3.6	Manufacture of basic precious and other non-ferrous metals
4.9	2.0	-0.9	5.3	-14.1	19.4	3.0	1.7	-4.6	-2.6	13.4	-6.6	Casting of metals
6.5	-0.9	-2.0	0.6	-6.4	0.7	-0.1	1.0	6.7	8.7	5.0	-4.9	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
												Manufacture of metal doors, windows and their frames, shutters and gates
2.6	-0.3	-0.4	-1.0	-10.8	5.4	-1.3	-1.6	7.9	10.7	6.6	-5.1	Manufacture of other structural metal products
18.7	-1.5	-6.7	5.0	4.5	-9.5	3.7	7.9	3.8	4.5	1.1	-4.1	Manufacture of tanks, reservoirs and containers of metal
5.1	-10.7	1.1	0.8	1.0	-3.2	-8.4	-0.5	6.0	-0.4	2.3	-6.6	Other industry
-4.4	2.8	-4.5	-1.4	-0.4	1.8	1.2	4.6	1.6	9.9	2.2	-7.5	Manufacture of other fabricated metal products; metal working service activities
4.1	-0.4	-2.3	1.1	0.9	3.4	-4.7	4.6	-0.3	0.9	0.2	-4.5	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-16.8	1.8	-7.3	0.4	-0.9	-9.4	9.8	10.4	-1.3	24.0	5.0	-2.8	Treatment and coating of metals; machining
-1.4	-1.0	1.3	0.5	0.2	8.5	0.9	1.1	1.7	14.5	1.3	-10.6	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
-4.8	-0.6	0.4	-2.1	-3.6	-0.8	0.2	5.8	1.7	8.0	5.0	-2.1	Manufacture of bolts, screws, nuts and similar threaded products
-1.0	4.4	-2.5	-6.7	7.6	-0.8	-1.6	7.0	-3.2	3.0	9.7	-1.5	Manufacture of metal household articles
-5.5	12.6	-13.9	-3.1	1.4	3.9	3.4	3.6	3.2	10.8	-0.7	-18.1	Manufacture of any other fabricated metal products n.e.c.
4.5	2.0	-5.8	-6.7	9.1	7.6	0.3	1.0	8.2	-3.4	-0.8	3.6	Other industry
14.7	-21.2	0.4	13.4	-8.3	5.6	9.3	-9.2	-7.5	-2.3	-5.8	14.7	Manufacture of electronic components and boards
18.9	-26.3	3.4	17.2	-5.0	3.1	7.5	-9.1	-10.8	4.2	-10.2	14.5	Manufacture of diodes, transistors and similar semiconductor devices
												Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
9.0	-15.3	-4.3	8.1	-13.3	9.7	10.0	-9.7	-2.7	-11.5	-1.6	17.8	Manufacture of printed circuit boards
												Manufacture of display components
19.2	-2.9	9.1	16.2	-6.3	6.4	27.7	-5.9	-6.0	-0.8	13.9	-1.6	Manufacture of other components for electronic applications
-7.9	30.7	-15.4	-3.9	-1.5	5.2	-34.7	42.3	-7.7	6.3	14.0	11.9	Manufacture of computers and peripheral equipment
29.2	-0.9	3.8	21.5	-16.1	16.2	21.0	-29.8	0.9	14.6	-12.1	1.5	Manufacture of communication equipment
19.2	-15.8	2.0	2.2	7.6	7.1	14.1	-12.9	-1.2	-13.8	-4.8	2.6	Manufacture of consumer electronics
15.5	-24.5	6.6	17.0	-0.6	5.1	19.4	-0.4	-1.8	0.9	-5.7	-7.0	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
16.4	-25.9	7.0	16.6	-2.5	6.0	21.1	-0.9	-1.7	1.6	-4.9	-6.6	Manufacture of industrial process control equipment
7.7	-10.8	4.1	20.0	14.8	-1.0	7.0	3.4	-2.5	-4.2	-12.5	-10.3	Manufacture of watches and clocks and parts
14.9	-16.8	-1.5	12.2	-6.3	16.3	-1.8	10.6	8.6	-8.1	16.0	-18.8	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.4c** : 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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-11.5	5.4	19.2	-1.6	1.9	0.5	21.7	2.4	-8.1	1.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.9	9.1	9.9	-3.9	-5.4	5.9	25.5	-11.8	-0.6	-6.6
27101	Pembuatan motor elektrik, penjana dan transformer	-1.7	9.5	1.0	-7.7	-11.7	-0.8	32.2	-11.1	1.2	-8.7
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.4	8.9	14.4	-2.2	-2.8	8.5	23.2	-12.0	-1.3	-5.8
272/ 27200	Pembuatan bateri dan akumulator	-8.5	12.2	43.0	7.6	-25.3	8.8	-15.4	16.9	-15.6	-13.6
273	Pembuatan pendawaian dan peranti pendawaian	-10.0	1.6	-0.9	-7.3	-2.9	-2.1	4.4	-3.6	-2.3	0.7
27310	Pembuatan kabel gentian optikal	-14.4	10.9	-6.3	3.2	15.2	15.4	1.7	-13.2	2.3	-7.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-10.4	1.4	0.4	-7.2	-4.0	-3.3	4.6	-2.7	-2.3	1.0
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.0	0.8	-15.7	-14.6	2.5	4.0	4.3	-8.1	-5.4	2.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-2.0	6.5	12.6	-1.8	-7.2	-1.4	30.4	-8.8	-11.6	1.0
275/ 27500	Pembuatan perkakasan domestik	-12.1	5.4	10.0	-3.3	-8.4	2.3	7.1	-14.4	-12.3	0.4
279/ 27900	Pembuatan kelengkapan elektrik lain	-10.6	-4.3	11.6	5.5	-2.1	8.2	8.0	-6.9	-1.4	-2.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-9.6	14.5	-2.7	5.6	-10.8	6.6	-8.5	13.4	-12.6	-4.5
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-36.7	41.2	13.5	0.2	-29.8	-1.3	6.2	36.3	-17.2	0.5
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-16.3	26.5	-6.1	5.8	-15.2	8.5	-5.8	16.1	-15.9	-4.3
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.0	6.0	-20.8	-3.2	-3.6	11.6	-25.8	23.4	-6.7	-4.9
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	0.7	21.8	16.5	13.0	-14.7	-1.5	-14.3	11.1	-22.5	-6.8
		-5.1	4.6	3.5	8.8	-4.4	8.5	3.6	3.3	-5.1	-3.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-26.1	-5.4	6.2	44.0	-13.6	-20.2	18.3	37.9	-17.5	-10.8
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	-1.2	4.6	-26.2	37.8	-0.6	-2.3	-5.2	19.8	1.9	-8.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	0.2	4.1	8.5	-2.9	4.2	1.1	9.8	-1.9	0.4	-0.8
301 (30110 & 30120)	Pembinaan kapal dan bot	-17.9	-9.4	1.0	31.3	5.0	-5.7	-24.6	27.6	8.1	0.9
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.	2.0	1.2	-4.0	18.0	-15.9	-1.6	2.6	17.7	-15.2	-7.8
30910	Pembuatan motosikal	5.5	22.6	-1.5	13.1	-18.2	6.1	12.2	7.7	-19.8	-7.1
30920	Pembuatan basikal dan invalid carriages	-2.7	9.2	-2.0	12.7	-22.5	-1.0	-15.1	12.6	-16.3	-4.9
	Industri lain	3.1	-11.2	-6.6	24.1	-11.0	-5.6	6.6	25.4	-12.1	-9.7
310	Pembuatan perabot	5.1	-23.5	-3.1	21.5	4.6	-20.4	-2.5	35.2	3.6	-4.7
31001	Pembuatan perabot kayu dan rotan	14.3	-30.7	3.6	16.6	8.2	-24.6	2.4	30.6	5.3	0.3
	Industri lain	-3.7	-15.2	-9.2	26.7	1.0	-16.0	-7.1	39.9	2.0	-9.6
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	3.5	35.0	-16.1	-0.3	-5.7	16.6	-15.4	13.6	4.2	-11.9
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubahan dan pergigian dan pembuatan lain t.t.t.l.	1.4	-0.5	5.8	-6.1	5.6	12.9	5.2	-11.8	1.5	2.9
32901	Pembuatan alat tulis	5.7	6.8	15.0	-17.1	12.4	3.5	-0.3	-9.6	14.3	-0.7
	Industri lain	0.2	-2.7	2.7	-2.1	3.5	16.1	6.9	-12.5	-2.3	4.1
323/ 32300	Pembuatan barangan sukan	11.4	-6.3	-7.5	19.6	12.5	4.8	-20.9	11.5	6.3	-4.0
324/ 32400	Pembuatan permainan dan mainan	-3.3	-2.7	-27.3	11.3	-8.7	26.5	-26.2	-3.9	-0.8	-14.5
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-4.6	-18.0	4.1	30.4	-3.6	-14.9	3.4	19.6	-4.5	-3.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-2.0	-14.3	8.7	24.8	-5.2	-15.1	8.7	18.8	-8.3	-4.4
	Industri lain	-6.0	-20.0	1.4	34.0	-2.6	-14.8	0.3	20.1	-2.3	-2.9
Jumlah Pembuatan		-2.7	6.8	5.4	1.5	-5.3	-2.3	3.3	1.7	-5.4	-1.9

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
17.1	-12.8	1.6	7.1	10.3	7.6	-0.3	-1.1	3.7	-3.4	9.2	-6.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media
9.0	-1.5	2.4	6.9	12.4	7.9	2.1	-10.6	-5.8	-4.0	-1.4	-10.0	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1.8	-0.2	0.2	3.3	14.4	19.1	0.9	-9.9	-8.7	-4.4	1.0	-12.2	Manufacture of electric motors, generators and transformers
11.9	-2.0	3.2	8.2	11.8	4.0	2.6	-10.8	-4.6	-3.8	-2.3	-9.1	Manufacture of electricity distribution and control apparatus
-3.5	11.7	0.9	13.3	-33.3	12.2	22.4	1.9	-4.0	0.04	-2.3	-11.2	Manufacture of batteries and accumulators
-2.6	-0.7	-0.7	1.8	1.0	2.7	1.6	-2.8	-2.2	-3.9	7.1	-12.1	Manufacture of wiring and wiring devices
7.5	4.1	12.3	0.6	2.1	8.7	-28.1	7.8	-9.6	16.1	2.2	-6.2	Manufacture of fibre optic cables
-3.7	-0.5	-2.1	2.2	1.3	1.8	3.9	-2.9	-2.0	-4.7	6.6	-12.9	Manufacture of other electronic and electric wires and cables
7.2	-7.2	10.9	-2.3	-4.1	12.0	-3.2	-7.4	-0.9	-5.0	19.9	-5.9	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
2.1	-10.7	13.1	-0.5	20.6	7.2	-1.2	-7.0	-0.7	-8.6	12.9	-7.7	Manufacture of electric lighting equipment
9.3	-0.8	-6.6	4.8	-1.8	17.7	-9.2	-10.7	-3.5	-1.8	10.5	-0.5	Manufacture of domestic appliances
4.0	-1.4	10.2	2.8	-0.4	2.1	5.4	-8.6	-1.4	-4.0	-2.7	-15.8	Manufacture of other electrical equipment
1.9	7.8	-0.2	-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	Manufacture of general-purpose and special-purpose machinery
-19.0	15.1	-3.7	4.6	-16.6	11.7	46.7	-0.4	10.9	-7.4	-17.7	-8.7	Manufacture of fluid power equipment
-3.0	11.7	0.3	1.5	-10.1	4.2	2.3	1.0	15.8	3.1	-8.4	-4.9	Manufacture of other pumps, compressors, taps and valves
6.6	13.8	2.8	-18.4	-23.6	18.2	-4.2	7.8	13.8	6.6	-3.4	-5.9	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
11.7	3.9	-17.9	8.1	-9.4	-17.4	28.2	1.9	-1.5	0.2	-13.4	-11.9	Manufacture of metal-forming machinery and machine tools
0.5	2.0	10.3	1.7	-7.8	17.5	-9.9	2.3	7.0	-4.9	-2.9	-3.6	Manufacture of air-conditioning machines, including for motor vehicles
13.5	-33.9	29.5	-9.7	17.7	-7.3	13.2	19.7	16.6	-5.5	1.5	-17.5	Manufacture of other special-purpose machinery n.e.c.
19.2	-6.6	3.7	-18.8	10.5	-2.5	-1.5	21.7	5.0	-8.6	-29.6	-12.4	Other industry
11.1	-14.7	19.0	-4.6	9.3	1.2	-8.2	-3.1	13.7	-6.2	4.4	-11.9	Manufacture of motor vehicles
17.1	9.2	-32.2	-3.8	-17.4	0.6	24.8	26.2	-18.1	-1.4	-1.6	2.9	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
18.2	-9.4	-0.8	1.9	0.6	1.1	0.8	7.6	18.0	-9.2	-3.5	-10.6	Manufacture of parts and accessories for motor vehicles
6.7	-0.7	2.0	10.7	6.6	-3.8	1.3	-1.2	14.2	0.1	8.3	-14.4	Building of ships and boats
3.4	-1.6	2.2	-4.1	-13.6	2.3	-3.7	11.9	7.0	-6.5	5.9	-17.6	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
32.4	-16.5	-3.7	0.4	4.4	3.5	2.4	10.8	24.3	-14.3	-13.2	-4.9	Manufacture of motorcycles
7.8	-19.5	7.5	-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	Manufacture of bicycles and invalid carriages
6.1	-23.5	3.4	-21.9	8.0	10.7	11.1	9.3	12.8	-1.1	6.8	-3.1	Other industry
9.6	-15.2	11.4	-29.8	4.8	-0.4	29.4	14.4	4.7	2.4	3.4	-12.7	Manufacture of furniture
-0.3	18.4	8.1	-6.3	-24.6	5.9	29.3	-11.8	12.8	-2.6	6.8	-14.0	Manufacture of wooden and cane furniture
-0.7	10.3	8.8	-10.9	7.8	5.1	-2.4	-8.9	-4.3	-1.3	-2.2	0.3	Other industry
-1.4	5.7	1.2	-5.0	2.0	7.6	-11.8	-1.4	-7.0	6.9	1.2	-6.5	Manufacture of jewellery, bijouterie and related articles
-0.5	11.8	11.2	-12.5	9.6	4.4	0.4	-10.8	-3.5	-3.6	-3.3	2.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
18.2	13.7	-15.9	-19.8	6.3	-15.9	11.1	7.5	1.1	5.9	11.6	-7.9	Manufacture of stationery
26.5	17.0	21.4	-40.4	-9.0	10.0	8.4	0.04	-14.4	-7.0	6.4	0.5	Other industry
15.1	-1.9	-30.4	1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	Manufacture of sports goods
28.8	1.0	-40.9	-0.9	3.8	21.0	39.0	-9.8	7.0	-8.7	-2.5	-1.3	Manufacture of games and toys
7.8	-3.6	-23.4	2.0	-1.8	4.8	22.5	0.7	7.9	-5.9	-1.3	-5.3	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7.6	-7.2	1.3	0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	Repair and maintenance of transport equipment except motorcycles and bicycles
												Other industry
7.6	-7.2	1.3	0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	Total Manufacturing

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	2022			
				Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	13,600	14,664	13,034	13,064	13,471	13,600
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,751	17,342	15,936	16,347	16,545	16,751
	10201 & 10202 Pengetinan ikan, krustasea dan moluska	14,170	14,485	13,433	13,704	13,881	14,170
	Industri lain	2,581	2,857	2,503	2,643	2,664	2,581
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9,962	10,127	10,310	10,217	10,073	9,962
	10303 & 10304 Pengetinan nanas	620	570	485	531	530	620
	Industri lain	9,342	9,557	9,825	9,686	9,543	9,342
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,266	89,888	79,916	80,103	82,207	84,266
	10404 & 10406 Pembuatan minyak sayuran mentah dan bertapis	4,052	4,477	3,752	3,824	3,839	4,052
	10405 Pembuatan minyak kelapa	2,542	2,631	2,471	2,524	2,539	2,542
	Industri lain	77,672	82,779	73,693	73,755	75,829	77,672
105	Pembuatan produk tenusu	13,321	13,874	13,036	13,292	13,178	13,321
	10502 Pembuatan susu pekat, tepung dan sejat	9,674	9,858	9,553	9,646	9,529	9,674
	Industri lain	3,648	4,017	3,482	3,646	3,649	3,648
106	Pembuatan produk bijian, kanji dan produk	11,197	11,538	10,871	10,793	11,051	11,197
	10611 Pengilangan beras	5,307	5,400	4,994	4,962	5,239	5,307
	10613 Pengilangan tepung	4,921	5,223	4,872	4,843	4,828	4,921
	Industri lain	969	915	1,005	987	983	969
107	Pembuatan produk makanan lain	130,228	141,851	126,992	126,638	127,916	130,228
	10711 Pembuatan biskut dan cookies	14,486	14,889	14,439	14,517	14,607	14,486
	10712 Pembuatan roti, kek dan produk bakeri lain	31,304	33,814	29,286	29,408	29,997	31,304
	10713 Pembuatan produk snek	8,846	9,620	8,412	8,542	8,530	8,846
	10721 Pembuatan gula	1,744	1,836	1,769	1,736	1,752	1,744
	10731 Pembuatan produk koko	2,563	2,644	2,579	2,585	2,650	2,563
	10732 & 10733 Pembuatan coklat dan produk coklat	7,861	8,634	7,937	8,090	8,259	7,861
	10793 Pembuatan sos dan bahan perasa	11,546	13,437	10,800	10,948	10,787	11,546
	10799 Pembuatan produk makanan lain t.t.t.l.	15,127	18,153	16,718	15,541	15,861	15,127
	Industri lain	36,752	38,825	35,052	35,270	35,475	36,752
108/ 10800	Pembuatan makanan haiwan tersedia	15,573	13,666	14,820	15,469	15,437	15,573
110	Pembuatan minuman ringan	16,373	16,805	16,304	16,247	16,144	16,373
	11041 Pembuatan minuman ringan	10,622	10,717	10,565	10,562	10,512	10,622
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3,923	4,111	4,001	3,979	3,892	3,923
	Industri lain	1,828	1,976	1,739	1,706	1,740	1,828
120/ 12000	Pembuatan produk tembakau	1,232	1,259	1,413	1,170	1,198	1,232
131	Pemintalan, penenunan dan penyiapan tekstil	13,055	13,207	13,206	12,839	13,084	13,055
	13110 & 13120 Penyediaan dan pemintalan gentian tekstil	8,882	9,168	8,983	8,665	8,737	8,882
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,762	3,592	3,750	3,731	3,889	3,762
	Industri lain	412	447	474	443	458	412
139	Pembuatan tekstil lain	14,816	15,096	14,378	14,821	14,813	14,816
	13910 Pembuatan fabrik dikait dan dikrusye	5,792	5,531	5,903	5,961	5,958	5,792
	Industri lain	9,024	9,564	8,475	8,859	8,855	9,024
141	Pembuatan pakaian, kecuali pakaian berbulu	42,584	43,688	42,134	41,677	40,921	42,584
	14102 Pembuatan pakaian	31,056	31,863	30,268	30,296	29,750	31,056
	Industri lain	11,528	11,825	11,866	11,381	11,171	11,528
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,007	1,093	1,020	1,030	1,010	1,007
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,843	5,808	6,050	5,698	5,831	5,843
152	Pembuatan kasut	6,717	7,071	6,349	6,574	6,632	6,717
	15201 & 15203 Pembuatan kasut kulit	3,748	3,719	3,501	3,619	3,660	3,748
	Industri lain	2,969	3,352	2,848	2,955	2,973	2,969
161/ 16100	Pengilangan dan pengetaman kayu	25,101	24,448	25,671	25,235	25,553	25,101

2023				2023	2024	Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
13,849	14,305	14,857	14,664	13,965	14,925	Processing and preserving of meat
17,382	17,330	17,416	17,342	17,485	17,743	Processing and preserving of fish, crustaceans and molluscs
						Canning of fish, crustaceans and molluscs
14,711	14,566	14,554	14,485	14,801	14,747	Processing, curing and preserving of fish, crustacean and molluscs
2,671	2,764	2,862	2,857	2,684	2,996	Other industry
10,536	10,835	10,474	10,127	10,554	10,712	Processing and preserving of fruits and vegetable
						Pineapple canning
568	560	570	570	567	601	Manufacture of jams, marmalades and table jellies
9,967	10,275	9,904	9,557	9,987	10,112	Other industry
85,462	85,734	89,500	89,888	85,592	89,390	Manufacture of vegetable and animal oils and fats
						Manufacture of crude and refined vegetable oil
4,124	4,141	4,465	4,477	4,096	4,588	Manufacture of compound cooking fats
2,558	2,558	2,633	2,631	2,549	2,673	Manufacture of coconut oil
78,780	79,035	82,401	82,779	78,947	82,129	Other industry
13,366	13,280	13,759	13,874	13,363	13,937	Manufacture of dairy products
9,678	9,560	9,830	9,858	9,694	9,972	Manufacture of condensed, powdered and evaporated milk
3,689	3,719	3,928	4,017	3,668	3,964	Other industry
11,341	11,257	11,509	11,538	11,421	11,351	Manufacture of grain mill products, starches and starch products
5,421	5,301	5,390	5,400	5,458	5,517	Rice milling
5,010	5,044	5,202	5,223	5,037	4,940	Flour milling
910	912	917	915	927	893	Other industry
132,812	133,853	140,391	141,851	133,336	142,916	Manufacture of other food products
14,747	14,600	14,836	14,889	15,050	14,786	Manufacture of biscuits and cookies
31,832	32,231	33,443	33,814	31,680	34,078	Manufacture of bread, cakes and other bakery products
8,858	8,961	9,202	9,620	8,896	9,626	Manufacture of snack products
1,760	1,783	1,878	1,836	1,747	1,843	Manufacture of sugar
2,523	2,614	2,636	2,644	2,593	2,647	Manufacture of cocoa products
						Manufacture of chocolate and chocolate products
7,925	7,955	8,566	8,634	7,963	8,708	Manufacture of sugar confectionery
11,881	11,908	12,698	13,437	11,786	13,723	Manufacture of sauces and condiments
15,474	16,158	18,537	18,153	15,531	18,669	Manufacture of other food products n.e.c.
37,813	37,642	38,595	38,825	38,091	38,836	Other industry
15,606	15,188	14,266	13,666	15,668	13,915	Manufacture of prepared animal feeds
16,770	16,865	16,602	16,805	16,717	17,045	Manufacture of beverages
10,744	10,847	10,607	10,717	10,714	10,787	Manufacture of soft drinks
4,197	4,172	4,104	4,111	4,144	4,262	Production of natural mineral waters and other bottled waters
1,829	1,846	1,890	1,976	1,858	1,996	Other industry
1,448	1,254	1,271	1,259	1,443	1,320	Manufacture of tobacco products
13,274	13,204	13,419	13,207	13,098	13,122	Spinning, weaving and finishing of textiles
						Preparation and spinning of textile fibres
9,093	9,029	9,316	9,168	8,901	9,092	Weaving of textiles
3,690	3,701	3,610	3,592	3,721	3,577	Dyeing, bleaching, printing and finishing of yarns and fabrics
491	474	493	447	476	453	Other industry
14,841	15,173	15,177	15,096	14,756	14,871	Manufacture of other textiles
5,619	5,657	5,593	5,531	5,757	5,391	Manufacture of knitted and crocheted fabrics
9,222	9,515	9,584	9,564	8,998	9,480	Other industry
42,881	42,985	42,139	43,688	42,795	44,189	Manufacture of wearing apparel, except fur apparel
31,236	31,154	30,424	31,863	31,127	32,361	Manufacture of clothings
11,645	11,831	11,715	11,825	11,668	11,828	Other industry
1,089	1,086	1,114	1,093	1,068	1,098	Manufacture of articles of fur, knitted and crocheted apparel
6,032	5,746	5,903	5,808	6,023	5,751	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
6,979	7,072	7,012	7,071	7,091	7,270	Manufacture of footwear
						Manufacture of leather footwear
3,760	3,667	3,659	3,719	3,840	3,802	Manufacture of rubber footwear
3,219	3,405	3,353	3,352	3,250	3,467	Other industry
25,234	24,629	24,640	24,448	25,710	23,918	Sawmilling and planning of wood

Jadual
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	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	14,001	13,965	13,849	14,325	14,357	14,305
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	17,041	17,485	17,382	17,297	17,338	17,330
	10201 & 10202 Pengetinan ikan, krustasea dan moluska	14,410	14,801	14,711	14,606	14,646	14,566
	Industri lain	2,632	2,684	2,671	2,692	2,692	2,764
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10,313	10,554	10,536	10,589	10,882	10,835
	10303 & 10304 Pengetinan nanas	565	567	568	566	569	560
	Industri lain	9,748	9,987	9,967	10,023	10,313	10,275
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,824	85,592	85,462	84,987	85,282	85,734
	10404 & 10406 Pembuatan minyak sayuran mentah dan bertapis	4,089	4,096	4,124	4,100	4,118	4,141
	10405 Pembuatan minyak kelapa	2,549	2,549	2,558	2,555	2,558	2,558
	Industri lain	78,185	78,947	78,780	78,332	78,606	79,035
105	Pembuatan produk tenusu	13,386	13,363	13,366	13,435	13,253	13,280
	10502 Pembuatan susu pekat, tepung dan sejat	9,714	9,694	9,678	9,831	9,576	9,560
	Industri lain	3,672	3,668	3,689	3,604	3,677	3,719
106	Pembuatan produk bijian, kanji dan produk	11,251	11,421	11,341	11,227	11,285	11,257
	10611 Pengilangan beras	5,356	5,458	5,421	5,322	5,352	5,301
	10613 Pengilangan tepung	4,924	5,037	5,010	4,993	5,015	5,044
	Industri lain	972	927	910	912	918	912
107	Pembuatan produk makanan lain	132,511	133,336	132,812	134,023	134,287	133,853
	10711 Pembuatan biskut dan cookies	14,820	15,050	14,747	14,673	14,652	14,600
	10712 Pembuatan roti, kek dan produk bakeri lain	31,580	31,680	31,832	32,306	32,179	32,231
	10713 Pembuatan produk snek	8,864	8,896	8,858	8,899	8,970	8,961
	10721 Pembuatan gula	1,747	1,747	1,760	1,770	1,790	1,783
	10731 Pembuatan produk koko	2,566	2,593	2,523	2,519	2,593	2,614
	10732 & 10733 Pembuatan coklat dan produk coklat	8,120	7,963	7,925	7,988	7,978	7,955
	10793 Pembuatan sos dan bahan perasa	11,777	11,786	11,881	11,931	11,855	11,908
	10799 Pembuatan produk makanan lain t.t.t.l.	15,627	15,531	15,474	16,201	16,417	16,158
	Industri lain	37,410	38,091	37,813	37,736	37,854	37,642
108/ 10800	Pembuatan makanan haiwan tersedia	15,602	15,668	15,606	15,128	15,134	15,188
110	Pembuatan minuman ringan	16,583	16,717	16,770	16,843	16,874	16,865
	11041 Pembuatan minuman ringan	10,617	10,714	10,744	10,810	10,823	10,847
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,142	4,144	4,197	4,197	4,209	4,172
	Industri lain	1,825	1,858	1,829	1,836	1,842	1,846
120/ 12000	Pembuatan produk tembakau	1,296	1,443	1,448	1,274	1,266	1,254
131	Pemintalan, penenunan dan penyiapan tekstil	13,197	13,098	13,274	13,214	13,354	13,204
	13110 & 13120 Penyediaan dan pemintalan gentian tekstil	8,987	8,901	9,093	9,073	9,103	9,029
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,752	3,721	3,690	3,676	3,761	3,701
	Industri lain	458	476	491	465	489	474
139	Pembuatan tekstil lain	14,898	14,756	14,841	15,015	15,205	15,173
	13910 Pembuatan fabrik dikait dan dikrusye	5,774	5,757	5,619	5,694	5,697	5,657
	Industri lain	9,123	8,998	9,222	9,321	9,508	9,515
141	Pembuatan pakaian, kecuali pakaian berbulu	42,847	42,795	42,881	42,964	43,166	42,985
	14102 Pembuatan pakaian	31,403	31,127	31,236	31,164	31,366	31,154
	Industri lain	11,444	11,668	11,645	11,799	11,800	11,831
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,032	1,068	1,089	1,089	1,093	1,086
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,939	6,023	6,032	5,858	5,873	5,746
152	Pembuatan kasut	6,924	7,091	6,979	6,959	7,039	7,072
	15201 & 15203 Pembuatan kasut kulit	3,896	3,840	3,760	3,692	3,665	3,667
	Industri lain	3,028	3,250	3,219	3,268	3,374	3,405
161/ 16100	Pengilangan dan pengetaman kayu	25,720	25,710	25,234	24,749	25,144	24,629

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
14,080	14,139	14,857	14,918	14,906	14,664	14,832	14,925	Processing and preserving of meat
17,410	17,136	17,416	17,348	17,206	17,342	17,808	17,743	Processing and preserving of fish, crustaceans and molluscs
								Canning of fish, crustaceans and molluscs
14,788	14,313	14,554	14,570	14,351	14,485	14,874	14,747	Processing, curing and preserving of fish, crustacean and molluscs
2,622	2,823	2,862	2,778	2,855	2,857	2,934	2,996	Other industry
10,731	10,224	10,474	10,474	10,303	10,127	10,503	10,712	Processing and preserving of fruits and vegetable
								Pineapple canning
578	564	570	572	567	570	546	601	Manufacture of jams, marmalades and table jellies
10,153	9,660	9,904	9,902	9,736	9,557	9,957	10,112	Other industry
86,716	87,316	89,500	89,940	89,900	89,888	89,773	89,390	Manufacture of vegetable and animal oils and
								Manufacture of crude and refined vegetable oil
4,163	4,424	4,465	4,480	4,474	4,477	4,426	4,588	Manufacture of compound cooking fats
2,542	2,582	2,633	2,633	2,623	2,631	2,669	2,673	Manufacture of coconut oil
80,011	80,310	82,401	82,827	82,804	82,779	82,678	82,129	Other industry
13,366	13,533	13,759	13,774	13,853	13,874	14,023	13,937	Manufacture of dairy products
9,638	9,744	9,830	9,797	9,824	9,858	10,060	9,972	Manufacture of condensed, powdered and
3,728	3,788	3,928	3,976	4,029	4,017	3,962	3,964	Other industry
11,238	11,025	11,509	11,502	11,541	11,538	11,615	11,351	Manufacture of grain mill products, starches
5,279	5,123	5,390	5,392	5,435	5,400	5,492	5,517	Rice milling
5,033	5,007	5,202	5,207	5,193	5,223	5,226	4,940	Flour milling
926	895	917	903	912	915	897	893	Other industry
135,228	138,077	140,391	141,712	141,605	141,851	143,476	142,916	Manufacture of other food products
14,639	14,711	14,836	14,783	14,847	14,889	14,944	14,786	Manufacture of biscuits and cookies
33,322	32,948	33,443	33,837	33,795	33,814	34,029	34,078	Manufacture of bread, cakes and other bakery
8,856	9,083	9,202	9,270	9,453	9,620	9,784	9,626	Manufacture of snack products
1,785	1,862	1,878	1,885	1,838	1,836	1,839	1,843	Manufacture of sugar
2,617	2,602	2,636	2,658	2,649	2,644	2,653	2,647	Manufacture of cocoa products
								Manufacture of chocolate and chocolate products
8,087	8,511	8,566	8,641	8,711	8,634	8,761	8,708	Manufacture of sugar confectionery
11,819	12,519	12,698	12,810	13,505	13,437	13,754	13,723	Manufacture of sauces and condiments
16,501	17,951	18,537	18,923	17,994	18,153	18,611	18,669	Manufacture of other food products n.e.c.
37,603	37,889	38,595	38,905	38,813	38,825	39,100	38,836	Other industry
15,039	14,475	14,266	14,143	14,284	13,666	13,905	13,915	Manufacture of prepared animal feeds
16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045	Manufacture of beverages
10,907	10,568	10,607	10,643	10,633	10,717	10,808	10,787	Manufacture of soft drinks
4,190	4,096	4,104	4,145	4,097	4,111	4,259	4,262	Production of natural mineral waters and other bottled waters
1,856	1,875	1,890	1,901	1,892	1,976	1,974	1,996	Other industry
1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320	Manufacture of tobacco products
13,025	13,376	13,419	13,371	13,309	13,207	13,152	13,122	Spinning, weaving and finishing of textiles
								Preparation and spinning of textile fibres
9,075	9,310	9,316	9,269	9,264	9,168	9,112	9,092	Weaving of textiles
3,485	3,580	3,610	3,618	3,602	3,592	3,588	3,577	Dyeing, bleaching, printing and finishing of yarns and fabrics
465	486	493	484	443	447	453	453	Other industry
15,115	15,173	15,177	15,148	15,124	15,096	15,312	14,871	Manufacture of other textiles
5,604	5,636	5,593	5,585	5,576	5,531	5,594	5,391	Manufacture of knitted and crocheted fabrics
9,511	9,537	9,584	9,563	9,548	9,564	9,717	9,480	Other industry
42,441	41,773	42,139	41,735	43,481	43,688	44,103	44,189	Manufacture of wearing apparel, except fur
30,709	30,120	30,424	30,239	31,657	31,863	32,271	32,361	Manufacture of clothings
11,732	11,654	11,715	11,496	11,824	11,825	11,831	11,828	Other industry
1,080	1,107	1,114	1,042	1,102	1,093	1,100	1,098	Manufacture of articles of fur, knitted and crocheted apparel
5,673	5,750	5,903	5,935	5,891	5,808	5,772	5,751	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7,031	6,915	7,012	7,137	7,099	7,071	7,181	7,270	Manufacture of footwear
								Manufacture of leather footwear
3,646	3,644	3,659	3,720	3,733	3,719	3,827	3,802	Manufacture of rubber footwear
3,386	3,271	3,353	3,417	3,365	3,352	3,354	3,467	Other industry
24,377	24,802	24,640	24,792	24,924	24,448	24,204	23,918	Sawmilling and planning of wood

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	2022			
				Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,943	69,802	65,777	67,098	67,651	68,943
16211	Pembuatan kepingan venier dan papan lapis	38,426	39,618	36,497	37,163	37,843	38,426
16212	Pembuatan papan partikel dan papan gentian	6,419	6,961	6,874	6,857	6,678	6,419
16221	Pertukangan kayu untuk jurubina	10,830	9,650	9,992	10,226	10,050	10,830
	Industri lain	13,268	13,573	12,414	12,852	13,080	13,268
170	Pembuatan kertas dan produk kertas	58,658	59,265	56,974	56,605	57,633	58,658
17010	Pembuatan pulpa, kertas dan kertas tebal	9,259	9,041	8,713	8,752	8,848	9,259
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,850	23,505	22,656	22,542	23,291	23,850
17091	Pembuatan sampul surat dan kad surat	1,692	1,762	1,713	1,739	1,775	1,692
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,818	11,370	10,908	10,681	10,874	10,818
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,480	7,480	7,510	7,467	7,321	7,480
	Industri lain	5,559	6,107	5,474	5,425	5,524	5,559
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,120	71,281	67,661	65,902	65,467	70,120
18110	Percetakan	57,286	58,603	55,001	53,801	53,444	57,286
18120	Aktiviti perkhidmatan berkaitan percetakan						
&		12,834	12,678	12,660	12,101	12,023	12,834
18200	Penerbitan semula media rakaman						
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,817	18,473	17,719	17,262	17,651	17,817
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	47,560	47,699	47,789	47,062	47,035	47,560
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,802	6,330	5,578	5,644	5,628	5,802
20112	Pembuatan kimia organik asas						
&		19,633	19,255	18,429	18,299	18,579	19,633
20113	Pembuatan sebatian bukan organik						
20121	Pembuatan baja						
&		7,649	7,201	9,547	8,733	8,678	7,649
20129	Pembuatan produk campuran nitrogen						
20131	Pembuatan plastik dalam bentuk primer	11,413	11,649	11,408	11,338	11,143	11,413
	Industri lain	3,063	3,264	2,826	3,048	3,008	3,063
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,336	55,846	57,439	55,739	55,271	57,336
20210	Pembuatan racun perosak dan produk agrokimia lain	4,030	4,587	3,964	3,910	3,845	4,030
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,451	9,587	11,223	9,270	9,162	9,451
20222	Pembuatan dakwat cetak	5,659	5,924	5,760	5,647	5,660	5,659
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat						
&		21,711	20,041	20,420	20,598	20,865	21,711
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials						
&		16,082	15,435	15,603	15,853	15,277	16,082
20292	Pembuatan dakwat menulis dan melukis						
&							
20299	Pembuatan produk kimia lain t.t.t.l.						
	Industri lain	402	273	469	461	461	402
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	27,325	27,967	24,800	27,994	28,824	27,325
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	19,310	19,519	17,686	19,648	20,234	19,310
	Industri lain	8,015	8,448	7,114	8,346	8,590	8,015
221	Pembuatan produk getah	122,297	117,399	124,905	126,655	125,937	122,297
22111	Pembuatan tayar getah untuk kenderaan	6,618	6,790	7,193	7,531	6,534	6,618
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,289	2,564	2,086	1,995	2,129	2,289
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan						
&		17,767	18,551	16,690	16,952	17,408	17,767
22193	Pengilangan semula getah dan prosesan susu getah						
2024	22192 Pembuatan sarung tangan getah	62,537	56,913	65,658	67,914	66,853	62,537
	22199 Pembuatan produk getah lain yang t.t.t.l.	33,087	32,581	33,278	32,264	33,014	33,087
222	Pembuatan produk plastik	159,013	164,184	155,750	156,889	158,506	159,013
22201	Pembuatan produk plastik separa siap						
&		37,664	38,248	35,934	37,667	37,506	37,664
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,397	53,304	48,717	48,901	49,889	50,397
22204	Pembuatan barangan plastik jurubina	3,656	3,666	3,605	3,559	3,595	3,656
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,177	14,272	14,992	15,478	15,608	14,177
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,120	54,694	52,503	51,285	51,908	53,120
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	20,948	20,742	18,896	20,023	20,561	20,948

2023				2023	2024	Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
67,728	68,036	68,637	69,802	69,504	69,320	Manufacture of products of wood, cork, straw and plaiting materials
37,446	37,646	38,723	39,618	38,412	38,998	Manufacture of veneer sheets and plywood
6,345	6,563	7,116	6,961	6,387	7,077	Manufacture of particle board and fibreboard
10,642	10,645	9,651	9,650	11,134	9,692	Manufacture of builders' carpentry
13,295	13,181	13,146	13,573	13,571	13,554	Other industry
59,308	57,626	58,587	59,265	59,436	59,910	Manufacture of paper and paper products
9,332	8,473	8,582	9,041	9,407	9,357	Manufacture of pulp, paper and paperboard
23,877	23,353	23,416	23,505	23,899	23,406	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,789	1,769	1,777	1,762	1,798	1,768	Manufacture of envelopes and letter-card
10,723	10,515	11,368	11,370	10,821	11,420	Manufacture of household and personal hygiene paper
7,837	7,792	7,465	7,480	7,821	7,832	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,749	5,724	5,979	6,107	5,691	6,127	Other industry
70,319	68,955	68,928	71,281	69,878	68,558	Printing, service activities related to printing and reproduction of recorded media
57,476	56,770	56,789	58,603	56,975	56,099	Printing
12,843	12,185	12,139	12,678	12,904	12,460	Service activities related to printing
						Reproduction of recorded media
18,486	18,149	18,199	18,473	17,989	18,511	Manufacture of refined petroleum products
49,475	48,507	47,094	47,699	48,844	48,536	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6,315	6,155	6,192	6,330	5,984	6,520	Manufacture of liquefied or compressed inorganic industrial or medical gases
20,155	19,696	19,050	19,255	19,928	19,452	Manufacture of basic organic chemicals
						Manufacture of inorganic compounds
						Manufacture of fertilizers
8,353	7,982	7,227	7,201	8,244	7,360	Manufacture of associated nitrogen products
11,428	11,453	11,411	11,649	11,465	11,855	Manufacture of plastics in primary forms
3,226	3,221	3,215	3,264	3,224	3,350	Other industry
58,105	55,785	55,364	55,846	57,121	55,915	Manufacture of other chemical products and man-made fibres
4,262	4,151	4,419	4,587	4,189	4,629	Manufacture of pesticides and other agrochemical products
9,966	9,644	9,412	9,587	9,396	9,874	Manufacture of paints, varnishes and similar coatings ink and mastics
5,967	5,983	5,883	5,924	5,736	5,957	Manufacture of printing ink
21,322	19,568	19,767	20,041	21,265	19,756	Manufacture of soap and detergents, cleaning and polishing preparations
						Manufacture of perfumes and toilet preparations
16,137	16,006	15,588	15,435	16,102	15,419	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
						Manufacture of writing and drawing ink
						Manufacture of other chemical products n.e.c.
451	433	295	273	434	280	Other industry
26,901	27,916	29,297	27,967	26,916	27,303	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,765	19,668	20,535	19,519	18,728	18,831	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,136	8,249	8,762	8,448	8,188	8,472	Other industry
121,509	114,969	118,329	117,399	120,806	115,900	Manufacture of rubber products
6,740	7,052	6,731	6,790	6,712	6,787	Manufacture of rubber tyres for vehicles
2,340	2,279	2,427	2,564	2,357	2,581	Manufacture of interchangeable tyre treads and retreading rubber tyres
18,775	19,192	18,619	18,551	18,698	18,961	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
						Rubber remilling and latex processing
60,077	55,214	57,500	56,913	59,343	55,242	Manufacture of rubber gloves
33,577	31,231	33,052	32,581	33,697	32,329	Manufacture of other rubber products n.e.c.
159,633	161,005	163,072	164,184	159,940	164,009	Manufacture of plastics products
						Manufacture of semi-manufactures of plastic products
37,301	38,558	38,510	38,248	37,674	38,275	Manufacture of finished plastic products
50,812	51,215	53,151	53,304	51,005	53,375	Manufacture of plastic articles for the packing of goods
3,699	3,690	3,708	3,666	3,713	3,699	Manufacture of builders' plastics ware
14,782	14,642	14,638	14,272	14,668	14,639	Manufacture of plastic tableware, kitchenware and toilet articles
53,040	52,901	53,066	54,694	52,879	54,021	Manufacture of diverse plastic products n.e.c.
21,026	21,133	21,102	20,742	21,062	20,939	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	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,848	69,504	67,728	67,540	68,991	68,036
16211	Pembuatan kepingan venier dan papan lapis	38,035	38,412	37,446	37,071	38,304	37,646
16212	Pembuatan papan partikel dan papan gentian	6,275	6,387	6,345	6,261	6,553	6,563
16221	Pertukangan kayu untuk jurubina	10,966	11,134	10,642	10,772	10,752	10,645
	Industri lain	13,572	13,571	13,295	13,435	13,383	13,181
170	Pembuatan kertas dan produk kertas	58,843	59,436	59,308	58,624	57,792	57,626
17010	Pembuatan pulpa, kertas dan kertas tebal	9,269	9,407	9,332	9,352	8,476	8,473
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,728	23,899	23,877	23,294	23,345	23,353
17091	Pembuatan sampul surat dan kad surat	1,745	1,798	1,789	1,760	1,785	1,769
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,909	10,821	10,723	10,671	10,669	10,515
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,507	7,821	7,837	7,850	7,795	7,792
	Industri lain	5,686	5,691	5,749	5,696	5,722	5,724
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,262	69,878	70,319	69,596	70,361	68,955
18110	Percetakan	57,387	56,975	57,476	57,255	58,072	56,770
18120 &	Aktiviti perkhidmatan berkaitan percetakan	12,875	12,904	12,843	12,341	12,289	12,185
18200	Penerbitan semula media rakaman						
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,783	17,989	18,486	18,239	18,209	18,149
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	48,311	48,844	49,475	47,928	48,292	48,507
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,975	5,984	6,315	5,952	6,194	6,155
20112 &	Pembuatan kimia organik asas	19,708	19,928	20,155	19,439	19,501	19,696
20113	Pembuatan sebatian bukan organik						
20121 &	Pembuatan baja	7,916	8,244	8,353	7,938	7,973	7,982
20129	Pembuatan produk campuran nitrogen	11,569	11,465	11,428	11,404	11,384	11,453
20131	Pembuatan plastik dalam bentuk primer	3,145	3,224	3,226	3,194	3,240	3,221
	Industri lain						
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,338	57,121	58,105	56,863	56,332	55,785
20210	Pembuatan racun perosak dan produk agrokimia lain	4,115	4,189	4,262	4,214	4,231	4,151
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,842	9,396	9,966	9,650	9,670	9,644
20222	Pembuatan dakwat cetak	5,739	5,736	5,967	5,971	5,975	5,983
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	21,059	21,265	21,322	20,555	19,912	19,568
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	16,188	16,102	16,137	16,027	16,098	16,006
20292 &	Pembuatan dakwat menulis dan melukis						
20299	Pembuatan produk kimia lain t.t.t.l.	395	434	451	447	446	433
	Industri lain						
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	26,805	26,916	26,901	28,360	28,019	27,916
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	18,672	18,728	18,765	20,391	19,831	19,668
	Industri lain	8,133	8,188	8,136	7,969	8,188	8,249
221	Pembuatan produk getah	120,492	120,806	121,509	120,578	118,693	114,969
22111	Pembuatan tayar getah untuk kenderaan	6,645	6,712	6,740	7,232	7,218	7,052
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,296	2,357	2,340	2,330	2,310	2,279
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	18,150	18,698	18,775	19,171	19,237	19,192
22193	Pengilangan semula getah dan prosesan susu getah						
22192	Pembuatan sarung tangan getah	59,760	59,343	60,077	58,520	57,283	55,214
22199	Pembuatan produk getah lain yang t.t.t.l.	33,641	33,697	33,577	33,325	32,645	31,231
222	Pembuatan produk plastik	159,500	159,940	159,633	161,351	161,657	161,005
22201 &	Pembuatan produk plastik separa siap	37,595	37,674	37,301	38,878	39,037	38,558
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,487	51,005	50,812	51,237	51,260	51,215
22204	Pembuatan barangan plastik jurubina	3,703	3,713	3,699	3,680	3,701	3,690
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,472	14,668	14,782	14,621	14,704	14,642
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,244	52,879	53,040	52,935	52,954	52,901
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	21,005	21,062	21,026	21,032	21,266	21,133

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
68,079	68,083	68,637	69,247	70,125	69,802	69,268	69,320	Manufacture of products of wood, cork, straw and plaiting materials
38,239	37,873	38,723	39,065	39,812	39,618	38,924	38,998	Manufacture of veneer sheets and plywood
6,555	7,458	7,116	7,092	7,005	6,961	6,921	7,077	Manufacture of particle board and fibreboard
10,417	9,814	9,651	9,703	9,701	9,650	9,739	9,692	Manufacture of builders' carpentry
12,868	12,938	13,146	13,386	13,608	13,573	13,684	13,554	Other industry
57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910	Manufacture of paper and paper products
8,462	8,641	8,582	8,701	8,693	9,041	9,333	9,357	Manufacture of pulp, paper and paperboard
23,039	22,862	23,416	23,682	23,660	23,505	23,312	23,406	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,776	1,766	1,777	1,785	1,782	1,762	1,768	1,768	Manufacture of envelopes and letter-card
10,347	11,002	11,368	11,526	11,436	11,370	11,397	11,420	Manufacture of household and personal hygiene
7,753	7,519	7,465	7,557	7,496	7,480	7,512	7,832	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,735	5,827	5,979	6,103	6,066	6,107	6,134	6,127	Other industry
68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558	Printing, service activities related to printing and reproduction of recorded media
56,668	56,882	56,789	57,508	58,314	58,603	56,145	56,099	Printing
12,222	12,345	12,139	12,648	12,587	12,678	12,424	12,460	Service activities related to printing
								Reproduction of recorded media
18,202	18,349	18,199	18,408	18,453	18,473	18,245	18,511	Manufacture of refined petroleum products
46,679	47,278	47,094	47,911	47,892	47,699	48,215	48,536	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic
6,137	6,148	6,192	6,316	6,333	6,330	6,531	6,520	Manufacture of liquefied or compressed inorganic industrial or medical gases
18,836	19,059	19,050	19,429	19,273	19,255	19,246	19,452	Manufacture of basic organic chemicals
								Manufacture of inorganic compounds
								Manufacture of fertilizers
7,379	7,413	7,227	7,293	7,355	7,201	7,363	7,360	Manufacture of associated nitrogen products
11,248	11,482	11,411	11,580	11,661	11,649	11,738	11,855	Manufacture of plastics in primary forms
3,078	3,176	3,215	3,292	3,271	3,264	3,337	3,350	Other industry
56,305	56,092	55,364	55,918	56,239	55,846	55,744	55,915	Manufacture of other chemical products and man-made fibres
4,156	4,320	4,419	4,609	4,606	4,587	4,655	4,629	Manufacture of pesticides and other agrochemical
9,598	9,563	9,412	9,528	9,557	9,587	9,854	9,874	Manufacture of paints, varnishes and similar
6,025	5,962	5,883	5,914	5,932	5,924	5,968	5,957	Manufacture of printing ink
20,034	20,119	19,767	19,969	20,058	20,041	19,489	19,756	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
16,062	15,805	15,588	15,625	15,812	15,435	15,505	15,419	Manufacture of writing and drawing ink
								Manufacture of other chemical products n.e.c.
430	323	295	273	273	273	273	280	Other industry
28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303	Manufacture of pharmaceuticals, medicinal chemical and botanical products
19,899	20,519	20,535	20,611	19,553	19,519	18,859	18,831	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,547	8,637	8,762	8,803	8,518	8,448	8,446	8,472	Other industry
115,215	117,851	118,329	118,150	117,668	117,399	116,188	115,900	Manufacture of rubber products
7,490	6,723	6,731	6,708	6,814	6,790	6,834	6,787	Manufacture of rubber tyres for vehicles
2,301	2,360	2,427	2,473	2,665	2,564	2,571	2,581	Manufacture of interchangeable tyre treads and retreading rubber tyres
19,928	18,948	18,619	18,505	18,449	18,551	18,842	18,961	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
54,281	57,140	57,500	57,279	56,889	56,913	55,205	55,242	Rubber remilling and latex processing
31,215	32,679	33,052	33,184	32,851	32,581	32,736	32,329	Manufacture of rubber gloves
164,502	162,784	163,072	163,099	164,385	164,184	164,713	164,009	Manufacture of other rubber products n.e.c.
38,435	38,464	38,510	38,449	38,259	38,248	38,153	38,275	Manufacture of plastics products
								Manufacture of semi-manufactures of plastic products
								Manufacture of finished plastic products
52,383	52,408	53,151	53,247	53,175	53,304	53,552	53,375	Manufacture of plastic articles for the packing of goods
3,675	3,665	3,708	3,728	3,676	3,666	3,729	3,699	Manufacture of builders' plastics ware
14,102	14,978	14,638	14,344	14,283	14,272	14,657	14,639	Manufacture of plastic tableware, kitchenware and toilet articles
55,907	53,269	53,066	53,331	54,992	54,694	54,622	54,021	Manufacture of diverse plastic products n.e.c.
20,225	21,028	21,102	20,841	20,784	20,742	20,798	20,939	Manufacture of glass and glass products

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	2022			
				Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,356	88,491	86,285	86,241	86,614	86,356
23911	Pembuatan mortar refraktori dan konkrit						
&							
23921	Pembuatan seramik bukan refraktori	10,661	9,801	10,613	10,488	10,305	10,661
23930	Pembuatan produk porselin dan seramik lain	5,248	4,467	5,067	5,122	5,284	5,248
23941	Pembuatan simen hidrolik	7,303	7,374	7,659	7,902	7,036	7,303
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,685	16,934	15,409	15,914	16,550	16,685
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	30,016	31,244	30,601	29,880	30,296	30,016
&							
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,662	9,737	8,994	8,779	8,833	8,662
	Industri lain	7,782	8,934	7,941	8,157	8,310	7,782
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,534	57,448	53,134	53,724	53,779	54,534
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,642	40,119	43,474	42,105	42,633	42,642
243	Pengacuan logam	14,362	14,589	15,641	14,579	14,642	14,362
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,158	60,999	59,909	58,461	58,655	60,158
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan						
&							
25119	Pembuatan produk struktur logam lain	40,355	42,207	40,766	39,197	38,843	40,355
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,447	10,497	10,865	10,928	11,574	11,447
	Industri lain	8,357	8,295	8,277	8,337	8,237	8,357
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	99,084	104,424	99,149	96,926	98,005	99,084
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,151	22,087	21,931	22,023	22,744	22,151
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,860	11,612	13,179	12,179	12,460	12,860
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,655	8,120	7,758	7,672	7,651	7,655
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,365	20,973	19,158	18,901	19,031	19,365
&							
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25994	Pembuatan barangan rumah daripada logam	3,168	3,615	3,315	3,188	3,027	3,168
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,427	25,279	22,990	22,358	22,397	23,427
	Industri lain	10,458	12,738	10,817	10,606	10,694	10,458
261	Pembuatan komponen dan papan elektronik	234,460	238,894	221,659	226,483	231,236	234,460
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	127,805	128,999	121,453	124,849	127,593	127,805
&							
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro						
26103	Pembuatan kapasitor dan perintang elektrik						
&							
26104	Pembuatan papan litar bercetak	92,370	95,182	85,967	87,023	89,380	92,370
&							
26105	Pembuatan komponen paparan						
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,285	14,712	14,240	14,612	14,263	14,285
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	69,667	67,464	66,588	67,693	68,367	69,667
263/ 26300	Pembuatan peralatan komunikasi	26,230	26,319	24,324	25,314	26,196	26,230
264/ 26400	Pembuatan peralatan elektronik pengguna	35,099	36,292	33,826	35,326	35,695	35,099
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,734	31,691	29,638	29,895	30,947	31,734
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	24,604	24,642	22,640	22,845	23,808	24,604
&							
26512	Pembuatan kelengkapan kawalan proses perindustrian						
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,131	7,049	6,998	7,049	7,139	7,131
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,120	12,708	12,827	12,938	13,139	13,120

2023		2023		2024		Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
84,597	86,275	88,467	88,491	84,734	84,916	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
9,930	9,940	9,890	9,801	9,968	9,087	Manufacture of non-refractory ceramic
4,429	4,517	4,532	4,467	4,449	4,317	Manufacture of other porcelain and ceramic products
7,152	7,117	7,085	7,374	7,413	7,420	Manufacture of hydraulic cement
15,664	15,793	16,840	16,934	15,890	15,943	Manufacture of ready-mix and dry-mix concrete and mortars
						Manufacture of precast concrete, cement or artificial stone articles for use in construction
30,811	31,744	31,841	31,244	30,305	29,152	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
8,532	8,805	9,416	9,737	8,621	9,826	Manufacture of other articles of concrete, cement and plaster n.e.c.
8,081	8,360	8,864	8,934	8,088	9,171	Manufacture of other non-metallic mineral products n.e.c. Other industry
54,032	54,571	56,411	57,448	53,259	57,243	Manufacture of basic iron and steel
43,283	41,983	40,579	40,119	43,852	40,307	Manufacture of basic precious and other non-ferrous metals
15,271	14,598	14,907	14,589	15,369	15,266	Casting of metals
60,572	59,198	59,930	60,999	60,142	60,874	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
40,398	39,265	41,170	42,207	40,175	41,860	Manufacture of metal doors, windows and their frames, shutters and gates Manufacture of other structural metal products
11,540	11,296	10,565	10,497	11,507	10,717	Manufacture of tanks, reservoirs and containers of metal
8,633	8,637	8,194	8,295	8,460	8,297	Other industry
101,196	99,035	103,148	104,424	101,147	105,475	Manufacture of other fabricated metal products; metal working service activities Forging, pressing, stamping and roll-forming of metal; powder metallurgy
21,696	20,746	22,294	22,087	21,794	21,429	Treatment and coating of metals; machining
13,812	13,007	11,600	11,612	13,420	11,836	Manufacture of tins and cans for food products, collapsible tubes and boxes
7,797	7,547	8,223	8,120	7,926	8,362	Manufacture of metal cable, plaited bands and similar articles
19,498	19,500	20,294	20,973	19,804	21,472	Manufacture of bolts, screws, nuts and similar threaded products
3,374	3,354	3,383	3,615	3,222	3,604	Manufacture of metal household articles
23,789	23,520	24,658	25,279	24,024	25,452	Manufacture of any other fabricated metal products n.e.c.
11,228	11,362	12,696	12,738	10,956	13,320	Other industry
236,008	242,587	242,230	238,894	235,331	231,534	Manufacture of electronic components and boards Manufacture of diodes, transistors and similar semiconductor devices
127,630	130,000	130,403	128,999	127,188	125,267	Manufacture of electronic integrated circuits micro assemblies
						Manufacture of electrical capacitors and resistors
94,113	97,567	96,888	95,182	93,866	91,486	Manufacture of printed circuit boards
						Manufacture of display components
14,265	15,021	14,939	14,712	14,277	14,781	Manufacture of other components for electronic applications
66,793	66,941	66,748	67,464	66,566	67,423	Manufacture of computers and peripheral equipment
25,929	26,504	26,052	26,319	25,910	25,981	Manufacture of communication equipment
34,130	34,337	37,718	36,292	34,161	35,535	Manufacture of consumer electronics
32,146	32,143	31,578	31,691	32,153	31,940	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
24,911	25,311	24,547	24,642	25,020	24,865	Manufacture of watches and clocks and parts
7,236	6,832	7,031	7,049	7,133	7,076	Manufacture of watches and clocks and parts
13,055	13,114	12,862	12,708	13,004	12,234	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	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,764	84,734	84,597	85,017	85,642	86,275
23911	Pembuatan mortar refraktori dan konkrit						
&							
23921	Pembuatan seramik bukan refraktori	10,126	9,968	9,930	9,889	9,837	9,940
23930	Pembuatan produk porselin dan seramik lain	5,261	4,449	4,429	4,384	4,534	4,517
23941	Pembuatan simen hidraulik	7,410	7,413	7,152	7,130	7,145	7,117
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,853	15,890	15,664	15,652	15,833	15,793
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	30,459	30,305	30,811	31,153	31,352	31,744
&	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23959							
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,558	8,621	8,532	8,618	8,764	8,805
	Industri lain	8,097	8,088	8,081	8,189	8,177	8,360
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,998	53,259	54,032	54,039	54,449	54,571
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,836	43,852	43,283	43,049	42,949	41,983
243	Pengacuan logam	14,866	15,369	15,271	14,889	14,682	14,598
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	59,926	60,142	60,572	59,650	60,307	59,198
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan						
&	pintu pagar daripada logam						
25119	Pembuatan produk struktur logam lain	40,023	40,175	40,398	39,796	40,239	39,265
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,429	11,507	11,540	11,227	11,368	11,296
	Industri lain	8,474	8,460	8,633	8,626	8,700	8,637
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	100,149	101,147	101,196	99,821	99,997	99,035
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,317	21,794	21,696	21,086	21,096	20,746
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,990	13,420	13,812	13,194	13,133	13,007
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,925	7,926	7,797	7,461	7,478	7,547
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,603	19,804	19,498	19,600	19,649	19,500
&							
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25994	Pembuatan barangan rumah daripada logam	3,224	3,222	3,374	3,420	3,399	3,354
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,533	24,024	23,789	23,792	23,865	23,520
	Industri lain	10,557	10,956	11,228	11,269	11,378	11,362
261	Pembuatan komponen dan papan elektronik	232,601	235,331	236,008	240,519	242,132	242,587
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya						
&							
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	125,741	127,188	127,630	132,595	130,700	130,000
26103	Pembuatan kapasitor dan perintang elektrik						
&							
26104	Pembuatan papan litar bercetak	92,577	93,866	94,113	93,703	96,536	97,567
&							
26105	Pembuatan komponen paparan						
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,283	14,277	14,265	14,221	14,897	15,021
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	66,447	66,566	66,793	66,430	67,101	66,941
263/ 26300	Pembuatan peralatan komunikasi	26,067	25,910	25,929	26,167	26,399	26,504
264/ 26400	Pembuatan peralatan elektronik pengguna	34,397	34,161	34,130	33,564	34,215	34,337
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,749	32,153	32,146	32,093	32,335	32,143
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	24,687	25,020	24,911	24,945	25,343	25,311
&							
26512	Pembuatan kelengkapan kawalan proses perindustrian						
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,062	7,133	7,236	7,148	6,991	6,832
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,142	13,004	13,055	12,999	13,097	13,114

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
87,570	87,684	88,467	88,180	88,875	88,491	86,363	84,916	Manufacture of non-metallic mineral products
								Manufacture of refractory mortars and concretes
9,711	9,972	9,890	9,748	9,811	9,801	9,260	9,087	Manufacture of non-refractory ceramic
4,584	4,685	4,532	4,480	4,525	4,467	4,393	4,317	Manufacture of other porcelain and ceramic
7,381	7,000	7,085	7,074	7,381	7,374	7,443	7,420	Manufacture of hydraulic cement
16,281	16,315	16,840	16,709	17,103	16,934	16,968	15,943	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
31,840	31,738	31,841	31,686	31,422	31,244	29,282	29,152	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
9,307	9,146	9,416	9,664	9,737	9,737	9,843	9,826	Manufacture of other articles of concrete, cement
8,466	8,828	8,864	8,819	8,897	8,934	9,174	9,171	Manufacture of other non-metallic mineral products
								Other industry
54,393	55,204	56,411	57,038	57,281	57,448	57,986	57,243	Manufacture of basic iron and steel
42,129	40,837	40,579	40,711	40,093	40,119	40,581	40,307	Manufacture of basic precious and other non-ferrous metals
14,579	14,899	14,907	15,056	14,632	14,589	14,965	15,266	Casting of metals
59,123	60,012	59,930	59,600	59,598	60,999	61,110	60,874	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
								Manufacture of metal doors, windows and their frames, shutters and gates
39,519	41,711	41,170	40,883	40,657	42,207	42,022	41,860	Manufacture of other structural metal products
11,205	10,141	10,565	10,450	10,643	10,497	10,690	10,717	Manufacture of tanks, reservoirs and containers of metal
8,400	8,159	8,194	8,267	8,299	8,295	8,397	8,297	Other industry
99,938	101,819	103,148	103,362	103,038	104,424	105,606	105,475	Manufacture of other fabricated metal products; metal working service activities
								Forging, pressing, stamping and roll-forming of metal; powder metallurgy
21,395	22,121	22,294	22,304	22,099	22,087	22,075	21,429	Treatment and coating of metals; machining
12,885	11,668	11,600	11,719	11,630	11,612	11,827	11,836	Manufacture of tins and cans for food products, collapsible tubes and boxes
7,631	8,282	8,223	8,265	8,129	8,120	8,517	8,362	Manufacture of metal cable, plaited bands and similar articles
19,839	19,803	20,294	20,262	20,164	20,973	21,450	21,472	Manufacture of bolts, screws, nuts and similar threaded products
3,352	3,325	3,383	3,433	3,619	3,615	3,600	3,604	Manufacture of metal household articles
23,414	24,327	24,658	24,744	24,606	25,279	25,376	25,452	Manufacture of any other fabricated metal products n.e.c.
11,421	12,294	12,696	12,636	12,790	12,738	12,762	13,320	Other industry
236,704	239,866	242,230	241,440	239,917	238,894	235,495	231,534	Manufacture of electronic components and
								Manufacture of diodes, transistors and similar semiconductor devices
127,640	130,145	130,403	130,169	129,655	128,999	127,090	125,267	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
94,153	94,885	96,888	96,419	95,515	95,182	93,640	91,486	Manufacture of printed circuit boards
								Manufacture of display components
14,911	14,836	14,939	14,852	14,747	14,712	14,765	14,781	Manufacture of other components for electronic applications
66,536	65,347	66,748	66,616	67,609	67,464	67,223	67,423	Manufacture of computers and peripheral equipment
24,800	25,823	26,052	26,415	26,371	26,319	26,117	25,981	Manufacture of communication equipment
33,943	35,963	37,718	37,026	36,514	36,292	35,644	35,535	Manufacture of consumer electronics
31,626	30,844	31,578	31,500	31,655	31,691	31,823	31,940	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
24,810	24,097	24,547	24,486	24,599	24,642	24,764	24,865	Manufacture of industrial process control
6,816	6,747	7,031	7,013	7,056	7,049	7,059	7,076	Manufacture of watches and clocks and parts
11,988	12,457	12,862	12,773	12,725	12,708	12,273	12,234	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	2022			
				Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,818	5,915	5,643	5,936	5,999	5,818
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,502	43,800	43,237	42,382	44,414	44,502
	27101 Pembuatan motor elektrik, penjana dan transformer	18,608	18,737	19,128	18,606	18,852	18,608
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,894	25,064	24,109	23,776	25,562	25,894
272/ 27200	Pembuatan bateri dan akumulator	8,687	8,671	8,489	8,318	8,849	8,687
273	Pembuatan pendawaian dan peranti pendawaian	24,074	23,530	23,924	24,331	24,275	24,074
	27310 Pembuatan kabel gentian optikal	926	969	937	966	1,026	926
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,825	20,980	21,213	21,614	21,499	21,825
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,323	1,581	1,774	1,751	1,750	1,323
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,656	3,934	3,642	3,790	4,043	3,656
275/ 27500	Pembuatan perkakasan domestik	14,844	14,766	15,787	15,552	14,968	14,844
279/ 27900	Pembuatan kelengkapan elektrik lain	7,818	7,709	7,727	7,812	7,686	7,818
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,289	93,994	93,591	96,289	95,616	96,289
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	7,548	6,346	7,756	7,565	7,475	7,548
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,093	22,759	22,721	22,846	22,359	22,093
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,104	8,842	9,434	9,295	9,670	10,104
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,303 47,242	8,427 47,621	9,900 43,781	9,860 46,723	9,283 46,829	9,303 47,242
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,340	25,665	24,441	24,590	25,233	25,340
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,336	8,712	6,672	6,905	7,078	7,336
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,158	53,237	53,903	54,279	54,005	54,158
301 (30110 & 30120)	Pembinaan kapal dan bot	13,936	15,257	13,252	13,269	13,692	13,936
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	30,075	29,704	30,033	29,491
	30910 Pembuatan motosikal	11,782	12,956	11,960	11,574	11,822	11,782
	30920 Pembuatan basikal dan <i>invalid carriages</i>	3,464	1,579	3,428	3,554	3,567	3,464
	Industri lain	14,244	14,514	14,688	14,577	14,644	14,244
310	Pembuatan perabot	77,294	81,979	78,959	79,824	78,998	77,294
	31001 Pembuatan perabot kayu dan rotan	59,201	62,863	60,777	61,735	60,915	59,201
	Industri lain	18,092	19,116	18,182	18,088	18,083	18,092
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,577	5,665	5,335	5,278	5,375	5,577
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,237	28,203	26,627	26,857	27,241	27,237
	32901 Pembuatan alat tulis	6,191	6,097	6,137	6,149	6,281	6,191
	Industri lain	21,046	22,107	20,490	20,708	20,960	21,046
323/ 32300	Pembuatan barangan sukan	2,723	2,108	2,614	2,605	2,639	2,723
324/ 32400	Pembuatan permainan dan mainan	5,251	4,999	4,936	5,039	5,439	5,251
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	42,314	43,843	42,865	43,016	41,867	42,314
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,891	7,256	6,667	6,739	6,625	6,891
	Industri lain	35,423	36,587	36,198	36,276	35,242	35,423
Jumlah Pembuatan		2,335,435	2,374,557	2,287,325	2,297,905	2,316,961	2,335,435

2023		2023		2024		Group Description/Period
Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
5,980	5,853	6,236	5,915	5,956	5,718	Manufacture of optical instruments, photographic equipment, magnetic and optical media
44,617	43,394	44,787	43,800	44,495	43,094	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
18,928	18,215	19,102	18,737	18,915	18,703	Manufacture of electric motors, generators and transformers
25,689	25,179	25,685	25,064	25,580	24,390	Manufacture of electricity distribution and control apparatus
8,624	8,589	8,939	8,671	8,630	8,792	Manufacture of batteries and accumulators
24,299	23,545	24,010	23,530	24,428	23,927	Manufacture of wiring and wiring devices
949	975	962	969	941	965	Manufacture of fibre optic cables
21,892	21,073	21,463	20,980	22,060	21,374	Manufacture of other electronic and electric wires and cables
1,459	1,496	1,585	1,581	1,427	1,588	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,624	3,555	3,908	3,934	3,521	3,872	Manufacture of electric lighting equipment
15,597	15,738	15,024	14,766	14,932	14,697	Manufacture of domestic appliances
7,873	7,726	7,785	7,709	7,882	7,657	Manufacture of other electrical equipment
97,105	98,507	95,536	93,994	98,086	95,978	Manufacture of general-purpose and special-purpose machinery
7,916	7,978	7,314	6,346	7,976	5,992	Manufacture of fluid power equipmen
22,879	23,370	22,743	22,759	22,593	23,887	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
10,320	9,918	9,058	8,842	10,517	9,039	Manufacture of metal-forming machinery and machine tools
9,516	9,741	8,443	8,427	9,530	8,489	Manufacture of air-conditioning machines, including for motor vehicles
46,473	47,499	47,977	47,621	47,471	48,571	Manufacture of other special-purpose machinery n.e.c.
24,538	24,742	25,777	25,665	24,684	25,619	Other industry
7,572	7,608	8,612	8,712	7,676	8,469	Manufacture of motor vehicles
54,927	54,735	53,178	53,237	54,728	53,222	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
14,201	14,379	15,054	15,257	14,389	15,387	Manufacture of parts and accessories for motor vehicles
30,053	29,372	28,999	29,049	29,923	29,205	Building of ships and boats
12,510	11,955	12,904	12,956	12,233	12,857	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
3,241	3,048	1,749	1,579	3,280	1,512	Manufacture of motorcycles
14,302	14,368	14,346	14,514	14,411	14,837	Manufacture of bicycles and invalid carriages
79,337	80,585	81,400	81,979	79,053	83,028	Other industry
60,595	61,797	62,840	62,863	60,239	63,139	Manufacture of furniture
18,742	18,787	18,561	19,116	18,815	19,889	Manufacture of wooden and cane furniture
6,107	5,818	5,597	5,665	6,112	5,546	Other industry
27,190	27,092	28,430	28,203	27,107	28,306	Manufacture of jewellery, bijouterie and related articles
6,062	5,971	6,269	6,097	6,079	6,015	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
21,129	21,121	22,162	22,107	21,028	22,291	Manufacture of stationery
2,585	2,583	2,149	2,108	2,547	2,162	Other industry
5,052	4,999	5,026	4,999	5,127	4,967	Manufacture of sports goods
43,583	43,593	43,616	43,843	43,478	44,254	Manufacture of games and toys
7,280	7,339	7,324	7,256	7,409	7,516	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
36,302	36,254	36,292	36,587	36,069	36,739	Repair and maintenance of transport equipment except motorcycles and bicycles
2,351,269	2,345,574	2,372,752	2,374,557	2,349,967	2,365,000	Other industry
Total Manufacturing						

Jadual
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	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,019	5,956	5,980	5,891	5,916	5,853
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,702	44,495	44,617	43,615	43,288	43,394
27101	Pembuatan motor elektrik, penjana dan transformer	19,030	18,915	18,928	18,370	18,325	18,215
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,672	25,580	25,689	25,245	24,962	25,179
272/ 27200	Pembuatan bateri dan akumulator	8,689	8,630	8,624	8,538	8,587	8,589
273	Pembuatan pendawaian dan peranti pendawaian	23,949	24,428	24,299	24,434	23,557	23,545
27310	Pembuatan kabel gentian optikal	936	941	949	961	974	975
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	21,586	22,060	21,892	21,973	21,087	21,073
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,427	1,427	1,459	1,501	1,496	1,496
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,601	3,521	3,624	3,528	3,501	3,555
275/ 27500	Pembuatan perkakasan domestik	14,901	14,932	15,597	15,371	15,888	15,738
279/ 27900	Pembuatan kelengkapan elektrik lain	7,905	7,882	7,873	7,782	7,741	7,726
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,996	98,086	97,105	97,395	96,815	98,507
28120 & 28130	Pembuatan alat-alat kuasa bendalir	7,902	7,976	7,916	7,874	7,856	7,978
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,213	22,593	22,879	22,934	22,787	23,370
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,379	10,517	10,320	10,248	9,980	9,918
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,397 47,104	9,530 47,471	9,516 46,473	9,637 46,702	9,689 46,503	9,741 47,499
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,254	24,684	24,538	24,501	24,840	24,742
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,361	7,676	7,572	7,590	7,595	7,608
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,385	54,728	54,927	54,833	55,002	54,735
301 (30110 & 30120)	Pembinaan kapal dan bot	14,356	14,389	14,201	14,031	14,262	14,379
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.	29,937	29,923	30,053	29,681	29,565	29,372
30910	Pembuatan motosikal	12,113	12,233	12,510	12,163	11,853	11,955
30920	Pembuatan basikal dan <i>invalid carriages</i>	3,349	3,280	3,241	3,227	3,146	3,048
	Industri lain	14,475	14,411	14,302	14,290	14,566	14,368
310	Pembuatan perabot	79,024	79,053	79,337	80,462	80,682	80,585
31001	Pembuatan perabot kayu dan rotan	60,332	60,239	60,595	61,799	61,915	61,797
	Industri lain	18,692	18,815	18,742	18,664	18,767	18,787
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,981	6,112	6,107	6,014	6,041	5,818
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,159	27,107	27,190	26,890	27,073	27,092
32901	Pembuatan alat tulis	6,215	6,079	6,062	6,057	6,077	5,971
	Industri lain	20,944	21,028	21,129	20,833	20,996	21,121
323/ 32300	Pembuatan barangan sukan	2,646	2,547	2,585	2,576	2,580	2,583
324/ 32400	Pembuatan permainan dan mainan	5,130	5,127	5,052	5,024	5,044	4,999
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	43,460	43,478	43,583	43,684	44,026	43,593
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,422	7,409	7,280	7,434	7,286	7,339
	Industri lain	36,037	36,069	36,302	36,251	36,740	36,254
Jumlah Pembuatan		2,341,951	2,349,967	2,351,269	2,349,159	2,355,748	2,345,574

2024								Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
5,800	6,165	6,236	6,186	5,937	5,915	5,678	5,718	Manufacture of optical instruments, photographic equipment, magnetic and optical media
44,057	44,811	44,787	44,515	44,123	43,800	43,821	43,094	Manufacture of electric motors, generators, transformers and electricity distribution and
18,430	18,952	19,102	18,989	18,799	18,737	18,722	18,703	Manufacture of electric motors, generators and
25,627	25,859	25,685	25,525	25,325	25,064	25,099	24,390	Manufacture of electricity distribution and control
8,534	8,674	8,939	8,998	8,653	8,671	8,677	8,792	Manufacture of batteries and accumulators
23,357	23,815	24,010	23,909	23,779	23,530	23,984	23,927	Manufacture of wiring and wiring devices
960	955	962	988	992	969	969	965	Manufacture of fibre optic cables
20,962	21,334	21,463	21,330	21,211	20,980	21,421	21,374	Manufacture of other electronic and electric wires
1,435	1,526	1,585	1,590	1,576	1,581	1,594	1,588	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,684	3,858	3,908	3,927	3,900	3,934	3,976	3,872	Manufacture of electric lighting equipment
15,447	15,692	15,024	14,961	14,881	14,766	14,858	14,697	Manufacture of domestic appliances
7,800	7,964	7,785	7,739	7,676	7,709	7,734	7,657	Manufacture of other electrical equipment
96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978	Manufacture of general-purpose and special-purpose machinery
7,893	7,373	7,314	7,378	7,334	6,346	5,997	5,992	Manufacture of fluid power equipment
22,959	22,665	22,743	22,710	22,769	22,759	23,198	23,887	Manufacture of other pumps, compressors, taps and valves
8,977	8,938	9,058	8,974	8,896	8,842	9,034	9,039	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
9,791	8,673	8,443	8,445	8,418	8,427	8,450	8,489	Manufacture of metal-forming machinery and machine tools
46,385	48,397	47,977	47,825	48,053	47,621	48,070	48,571	Manufacture of air-conditioning machines, including for motor vehicles
25,324	25,689	25,777	25,917	25,904	25,665	25,698	25,619	Manufacture of other special-purpose machinery
7,726	8,581	8,612	8,662	8,618	8,712	8,550	8,469	Other industry
54,809	53,205	53,178	53,183	53,069	53,237	53,768	53,222	Manufacture of motor vehicles
14,709	14,826	15,054	14,933	15,177	15,257	15,401	15,387	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-
29,691	28,994	28,999	29,105	28,979	29,049	29,327	29,205	Manufacture of parts and accessories for motor vehicles
12,748	12,489	12,904	13,083	13,033	12,956	12,902	12,857	Building of ships and boats
2,633	1,969	1,749	1,634	1,584	1,579	1,543	1,512	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport
14,309	14,536	14,346	14,388	14,362	14,514	14,882	14,837	Manufacture of motorcycles
80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028	Manufacture of bicycles and invalid carriages
61,612	62,751	62,840	63,551	62,918	62,863	62,863	63,139	Other industry
18,659	18,141	18,561	18,994	19,011	19,116	19,775	19,889	Manufacture of furniture
5,567	5,485	5,597	5,620	5,669	5,665	5,692	5,546	Manufacture of wooden and cane furniture
28,373	28,404	28,430	28,497	28,454	28,203	28,053	28,306	Other industry
6,038	6,239	6,269	6,257	6,115	6,097	5,979	6,015	Manufacture of jewellery, bijouterie and related articles
22,335	22,165	22,162	22,240	22,339	22,107	22,074	22,291	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
2,581	2,172	2,149	2,124	2,172	2,108	2,156	2,162	Manufacture of stationery
4,549	5,005	5,026	5,095	5,022	4,999	4,933	4,967	Other industry
44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254	Manufacture of sports goods
7,271	7,395	7,324	7,183	7,245	7,256	7,476	7,516	Manufacture of games and toys
36,855	36,689	36,292	36,662	36,354	36,587	36,983	36,739	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557	2,372,913	2,365,000	Repair and maintenance of transport equipment except motorcycles and bicycles
								Other industry
2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557	2,372,913	2,365,000	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		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
101	Pemprosesan dan pengawetan daging	4.9	7.8	-0.02	0.4	-0.1	4.9	6.3	9.5	10.3	7.8	4.6	6.9	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.3	3.5	-2.3	3.2	3.9	5.3	9.1	6.0	5.3	3.5	9.1	1.5	
	10201 Pengetinan ikan, krustasea dan moluska													
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6.4	2.2	-3.5	0.9	3.0	6.4	9.5	6.3	4.8	2.2	9.7	-0.4	
	Industri lain	-0.4	10.7	4.2	17.0	9.2	-0.4	6.7	4.6	7.5	10.7	6.2	11.6	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-2.1	1.7	-9.1	-9.3	-2.1	-2.1	2.2	6.0	4.0	1.7	-0.1	1.5	
	10303 Pengetinan nanas													
	& 10304 Pembuatan jem, marmalad dan sajian jeli	12.4	-8.1	-57.0	-52.1	-2.9	12.4	17.0	5.4	7.4	-8.1	8.6	5.9	
	Industri lain	-3.0	2.3	-3.8	-4.6	-2.1	-3.0	1.5	6.1	3.8	2.3	-0.6	1.2	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.0	6.7	3.2	3.1	3.6	6.0	6.9	7.0	8.9	6.7	6.7	4.4	
	10404 Pembuatan minyak sayuran mentah dan bertapis													
	& 10406 Pembuatan sebatian lemak masakan	5.7	10.5	1.8	4.6	5.0	5.7	9.9	8.3	16.3	10.5	8.1	12.0	
	10405 Pembuatan minyak kelapa	4.9	3.5	3.5	6.8	7.5	4.9	3.5	1.3	3.7	3.5	3.8	4.9	
	Industri lain	6.0	6.6	3.3	2.8	3.4	6.0	6.9	7.2	8.7	6.6	6.8	4.0	
105	Pembuatan produk tenusu	1.1	4.2	-5.2	-4.0	-4.9	1.1	2.5	-0.1	4.4	4.2	3.1	4.3	
	10502 Pembuatan susu pekat, tepung dan sejat	-1.1	1.9	-5.9	-5.4	-7.0	-1.1	1.3	-0.9	3.2	1.9	1.7	2.9	
	Industri lain	7.3	10.1	-3.4	-0.2	0.8	7.3	5.9	2.0	7.7	10.1	6.9	8.1	
106	Pembuatan produk bijian, kanji dan produk berkanji	3.6	3.0	3.2	2.5	1.8	3.6	4.3	4.3	4.1	3.0	5.0	-0.6	
	10611 Pengilangan beras	9.5	1.8	2.3	2.7	1.6	9.5	8.5	6.8	2.9	1.8	9.3	1.1	
	10613 Pengilangan tepung	0.7	6.1	5.0	2.8	2.1	0.7	2.8	4.1	7.7	6.1	3.5	-1.9	
	Industri lain	-9.5	-5.5	-0.9	-0.1	1.8	-9.5	-9.4	-7.6	-6.7	-5.5	-9.0	-3.6	
107	Pembuatan produk makanan lain	5.6	8.9	4.8	4.0	4.7	5.6	4.6	5.7	9.8	8.9	5.8	7.2	
	10711 Pembuatan biskut dan cookies	1.0	2.8	20.4	21.2	21.9	1.0	2.1	0.6	1.6	2.8	4.1	-1.8	
	10712 Pembuatan roti, kek dan produk bakeri lain	3.5	8.0	2.1	-2.3	-1.6	3.5	8.7	9.6	11.5	8.0	7.6	7.6	
	10713 Pembuatan produk snek	5.0	8.8	-5.1	-3.1	1.2	5.0	5.3	4.9	7.9	8.8	5.6	8.2	
	10721 Pembuatan gula	-1.2	5.3	-2.7	-3.5	-3.8	-1.2	-0.5	2.7	7.2	5.3	-1.3	5.5	
	10731 Pembuatan produk koko	-0.5	3.2	-3.8	-1.9	1.8	-0.5	-2.2	1.1	-0.5	3.2	-0.3	2.1	
	10732 Pembuatan coklat dan produk coklat													
	& 10733 Pembuatan konfeksi gula	-2.1	9.8	-8.5	-5.5	-2.1	-2.1	-0.1	-1.7	3.7	9.8	1.2	9.4	
	10793 Pembuatan sos dan bahan perasa	15.5	16.4	13.5	17.5	14.6	15.5	10.0	8.8	17.7	16.4	10.7	16.4	
	10799 Pembuatan produk makanan lain t.t.t.l.	10.7	20.0	14.5	8.1	9.9	10.7	-7.4	4.0	16.9	20.0	-0.7	20.2	
	Industri lain	7.3	5.6	2.1	3.1	2.5	7.3	7.9	6.7	8.8	5.6	8.4	2.0	
108/ 10800	Pembuatan makanan haiwan tersedia	4.6	-12.2	-16.4	-12.6	-2.5	4.6	5.3	-1.8	-7.6	-12.2	5.4	-11.2	
110	Pembuatan minuman ringan	2.6	2.6	1.2	3.9	0.7	2.6	2.9	3.8	2.8	2.6	2.7	2.0	
	11041 Pembuatan minuman ringan	3.1	0.9	2.3	3.6	4.0	3.1	1.7	2.7	0.9	0.9	1.8	0.7	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-1.8	4.8	-5.4	0.5	-4.2	-1.8	4.9	4.8	5.5	4.8	5.2	2.8	
	Industri lain	10.6	8.1	11.4	15.1	-6.4	10.6	5.2	8.2	8.7	8.1	2.1	7.4	
120/ 12000	Pembuatan produk tembakau	2.8	2.2	0.1	1.7	0.2	2.8	2.4	7.1	6.1	2.2	0.8	-8.5	
131	Pemintalan, penenunan dan penyiapan tekstil	-1.8	1.2	-1.8	-1.9	-0.7	-1.8	0.5	2.8	2.6	1.2	-0.2	0.2	
	13110 Penyediaan dan pemintalan gentian tekstil													
	& 13120 Penenunan tekstil	-3.6	3.2	-7.5	-8.7	-5.6	-3.6	1.2	4.2	6.6	3.2	-1.5	2.1	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-4.5	22.8	22.1	15.3	3.2	-1.6	-0.8	-7.2	-4.5	3.3	-3.9	
	Industri lain	-5.0	8.6	-30.2	-16.7	-16.3	-5.0	3.7	6.9	7.5	8.6	-3.2	-5.0	
139	Pembuatan tekstil lain	2.5	1.9	3.2	6.3	4.9	2.5	3.2	2.4	2.5	1.9	2.5	0.8	
	13910 Pembuatan fabrik dikait dan dikrusye	-1.9	-4.5	8.4	6.6	4.2	-1.9	-4.8	-5.1	-6.1	-4.5	-3.0	-6.4	
	Industri lain	5.6	6.0	-0.2	6.0	5.4	5.6	8.8	7.4	8.2	6.0	6.4	5.4	
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	2.6	2.8	6.4	5.8	2.6	1.8	3.1	3.0	2.6	1.7	3.3	
	14102 Pembuatan pakaian	2.9	2.6	3.1	5.6	4.8	2.9	3.2	2.8	2.3	2.6	3.1	4.0	
	Industri lain	1.9	2.6	2.1	8.6	8.7	1.9	-1.9	4.0	4.9	2.6	-2.0	1.4	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.6	8.5	-12.1	-10.6	4.9	2.6	6.7	5.4	10.3	8.5	5.8	2.8	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-4.4	-0.6	5.8	2.6	-1.5	-4.4	-0.3	0.8	1.2	-0.6	-1.5	-4.5	
152	Pembuatan kasut	8.8	5.3	0.9	8.3	9.3	8.8	9.9	7.6	5.7	5.3	7.7	2.5	
	15201 Pembuatan kasut kulit													
	& 15203 Pembuatan kasut getah	10.3	-0.8	0.4	9.2	13.0	10.3	7.4	1.4	-0.02	-0.78	5.5	-1.0	
	Industri lain	6.9	12.9	1.4	7.1	5.1	6.9	13.0	15.2	12.8	12.9	10.3	6.7	
161/ 16100	Pengilangan dan pengetaman kayu	-1.9	-2.6	3.6	10.4	0.6	-1.9	-1.7	-2.4	-3.6	-2.6	-0.3	-7.0	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
4.2	4.6	6.3	10.0	9.6	9.5	9.2	9.1	10.3	10.8	9.7	7.8	5.9	6.9	Processing and preserving of meat
4.5	9.1	9.1	7.4	7.9	6.0	5.7	3.8	5.3	4.8	3.7	3.5	4.5	1.5	Processing and preserving of fish, crustaceans and molluscs
4.9	9.7	9.5	7.3	8.1	6.3	7.1	3.4	4.8	4.6	2.7	2.2	3.2	-0.4	Canning of fish, crustaceans and molluscs
2.1	6.2	6.7	8.1	6.8	4.6	-1.7	6.2	7.5	6.1	9.1	10.7	11.5	11.6	Processing, curing and preserving of fish, crustacean and molluscs
-3.3	-0.1	2.2	3.2	6.2	6.0	3.5	1.8	4.0	4.6	3.4	1.7	1.8	1.5	Processing and preserving of fruits and vegetable
7.1	8.6	17.0	9.6	11.4	5.4	9.3	7.8	7.4	8.6	7.5	-8.1	-3.3	5.9	Pineapple canning
-3.9	-0.6	1.5	2.9	6.0	6.1	3.2	1.5	3.8	4.4	3.2	2.3	2.1	1.2	Manufacture of jams, marmalades and table jellies
6.5	6.7	6.9	6.6	6.8	7.0	7.1	7.5	8.9	9.1	7.4	6.7	5.8	4.4	Manufacture of vegetable and animal oils and fats
8.3	8.1	9.9	9.2	8.0	8.3	8.0	15.4	16.3	16.8	10.2	10.5	8.2	12.0	Manufacture of crude and refined vegetable oil
4.4	3.8	3.5	1.2	1.3	1.3	0.6	2.3	3.7	3.7	3.4	3.5	4.7	4.9	Manufacture of compound cooking fats
6.5	6.8	6.9	6.6	6.9	7.2	7.3	7.3	8.7	8.9	7.4	6.6	5.7	4.0	Manufacture of coconut oil
3.0	3.1	2.5	2.5	0.7	-0.1	0.8	2.9	4.4	4.1	4.3	4.2	4.8	4.3	Manufacture of dairy products
1.5	1.7	1.3	2.5	-0.3	-0.9	0.4	2.5	3.2	2.8	1.8	1.9	3.6	2.9	Manufacture of condensed, powdered and evaporated milk
7.2	6.9	5.9	2.5	3.4	2.0	1.8	4.0	7.7	7.3	10.9	10.1	7.9	8.1	Other industry
3.5	5.0	4.3	2.8	4.6	4.3	4.0	1.7	4.1	4.7	3.8	3.0	3.2	-0.6	Manufacture of grain mill products, starches and starch products
8.1	9.3	8.5	5.7	7.4	6.8	6.1	1.1	2.9	3.4	3.6	1.8	2.5	1.1	Rice milling
0.6	3.5	2.8	2.4	4.1	4.1	3.3	3.9	7.7	8.4	5.6	6.1	6.1	-1.9	Flour milling
-5.0	-9.0	-9.4	-10.1	-7.2	-7.6	-3.8	-6.0	-6.7	-6.1	-4.6	-5.5	-7.7	-3.6	Other industry
5.0	5.8	4.6	6.3	6.6	5.7	6.6	8.4	9.8	10.3	9.9	8.9	8.3	7.2	Manufacture of other food products
2.6	4.1	2.1	1.9	2.5	0.6	0.1	0.6	1.6	2.1	1.9	2.8	0.8	-1.8	Manufacture of biscuits and cookies
3.3	7.6	8.7	8.8	8.8	9.6	12.5	10.4	11.5	10.7	9.6	8.0	7.8	7.6	Manufacture of bread, cakes and other bakery products
4.7	5.6	5.3	5.4	6.6	4.9	3.3	6.6	7.9	7.5	9.4	8.8	10.4	8.2	Manufacture of snack products
-0.9	-1.3	-0.5	1.5	1.9	2.7	2.9	6.0	7.2	8.0	7.5	5.3	5.3	5.5	Manufacture of sugar
-0.9	-0.3	-2.2	-2.6	0.0	1.1	0.4	-1.4	-0.5	4.1	4.3	3.2	3.4	2.1	Manufacture of cocoa products
3.3	1.2	-0.1	1.2	1.5	-1.7	-0.4	3.2	3.7	4.4	10.7	9.8	7.9	9.4	Manufacture of chocolate and chocolate products
14.2	10.7	10.0	12.4	8.7	8.8	9.2	15.3	17.7	18.3	18.7	16.4	16.8	16.4	Manufacture of sugar confectionery
3.5	-0.7	-7.4	3.7	5.0	4.0	6.1	15.4	16.9	19.2	18.8	20.0	19.1	20.2	Manufacture of sauces and condiments
6.6	8.4	7.9	7.7	8.4	6.7	6.9	7.0	8.8	9.4	7.2	5.6	4.5	2.0	Manufacture of other food products n.e.c.
4.2	5.4	5.3	-1.6	-2.3	-1.8	-2.6	-6.3	-7.6	-8.6	-8.1	-12.2	-10.9	-11.2	Manufacture of prepared animal feeds
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	Manufacture of beverages
3.2	1.8	1.7	1.2	1.4	2.7	3.1	0.6	0.9	1.3	1.8	0.9	1.8	0.7	Manufacture of soft drinks
2.8	5.2	4.9	5.2	6.1	4.8	6.3	5.3	5.5	6.5	4.7	4.8	2.8	2.8	Production of natural mineral waters and other bottled waters
1.8	2.1	5.2	1.6	5.4	8.2	10.4	8.0	8.7	11.0	11.5	8.1	8.1	7.4	Other industry
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	Manufacture of tobacco products
0.5	-0.2	0.5	1.4	2.8	2.8	2.0	3.7	2.6	1.7	1.9	1.2	-0.3	0.2	Spinning, weaving and finishing of textiles
-0.2	-1.5	1.2	2.6	3.8	4.2	5.3	6.9	6.6	5.2	3.6	3.2	1.4	2.1	Preparation and spinning of textile fibres
3.1	3.3	-1.6	-1.3	0.5	-0.8	-6.1	-4.2	-7.2	-6.9	-2.8	-4.5	-4.4	-3.9	Weaving of textiles
-6.7	-3.2	3.7	0.8	1.2	6.9	5.3	7.8	7.5	8.9	8.4	8.6	-1.2	-5.0	Dyeing, bleaching, printing and finishing of yarns and fabrics
2.9	2.5	3.2	3.6	2.8	2.4	2.6	2.9	2.5	2.8	1.4	1.9	2.8	0.8	Manufacture of other textiles
-2.8	-3.0	-4.8	-3.5	-4.7	-5.1	-5.6	-4.9	-6.1	-4.0	-4.6	-4.5	-3.1	-6.4	Manufacture of knitted and crocheted fabrics
6.9	6.4	8.8	8.5	7.9	7.4	8.1	8.1	8.2	7.3	5.3	6.0	6.5	5.4	Other industry
2.8	1.7	1.8	2.7	2.5	3.1	3.0	2.1	3.0	3.0	2.8	2.6	2.9	3.3	Manufacture of wearing apparel, except fur
5.3	3.1	3.2	3.7	3.1	2.8	2.7	1.6	2.3	2.8	3.1	2.6	2.8	4.0	Manufacture of clothings
-3.5	-2.0	-1.9	0.3	0.8	4.0	3.9	3.7	4.9	3.6	1.9	2.6	3.4	1.4	Other industry
2.4	5.8	6.7	5.6	6.0	5.4	4.8	10.3	10.3	6.7	8.7	8.5	6.5	2.8	Manufacture of articles of fur, knitted and crocheted apparel
-2.5	-1.5	-0.3	-2.0	-0.8	0.8	0.8	-0.1	1.2	1.8	1.7	-0.6	-2.8	-4.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
8.0	7.7	9.9	8.8	8.1	7.6	8.1	5.5	5.7	7.0	5.6	5.3	3.7	2.5	Manufacture of footwear
8.8	5.5	7.4	5.7	3.3	1.4	1.2	0.4	0.0	0.2	-0.6	-0.8	-1.8	-1.0	Manufacture of leather footwear
7.0	10.3	13.0	12.6	14.0	15.2	16.5	11.9	12.8	15.6	13.5	12.9	10.8	6.7	Manufacture of rubber footwear
-0.7	-0.3	-1.7	-3.6	-2.5	-2.4	-3.6	-2.5	-3.6	-2.6	-2.5	-2.6	-5.9	-7.0	Other industry
-0.7	-0.3	-1.7	-3.6	-2.5	-2.4	-3.6	-2.5	-3.6	-2.6	-2.5	-2.6	-5.9	-7.0	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		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.6	1.2	0.6	1.7	-0.1	1.6	3.0	1.4	1.5	1.2	2.7	-0.3	
16211	Pembuatan kepingan venier dan papan lapis	1.7	3.1	1.2	2.3	-1.2	1.7	2.6	1.3	2.3	3.1	4.4	1.5	
16212	Pembuatan papan partikel dan papan gentian	-4.9	8.4	-1.5	5.3	5.0	-4.9	-7.7	-4.3	6.6	8.4	-7.6	10.8	
16221	Pertukangan kayu untuk jurubina	-3.4	-10.9	-13.6	-14.0	-15.7	-3.4	6.5	4.1	-4.0	-10.9	-1.1	-13.0	
	Industri lain	9.3	2.3	15.0	14.4	17.4	9.3	7.1	2.6	0.5	2.3	7.0	-0.1	
170	Pembuatan kertas dan produk kertas	4.3	1.0	3.0	4.4	5.1	4.3	4.1	1.8	1.7	1.0	4.2	0.8	
17010	Pembuatan pulpa, kertas dan kertas tebal	5.3	-2.4	4.9	8.6	8.8	5.3	7.1	-3.2	-3.0	-2.4	7.9	-0.5	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.9	-1.4	2.1	2.3	5.6	6.9	5.4	3.6	0.5	-1.4	5.6	-2.1	
17091	Pembuatan sampul surat dan kad surat	-0.3	4.1	-7.8	-4.0	-0.7	-0.3	4.4	1.7	0.1	4.1	3.9	-1.6	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.4	5.1	4.3	3.2	4.9	-1.4	-1.7	-1.6	4.5	5.1	-1.4	5.5	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.0	0.0	4.4	9.8	0.9	4.0	4.3	4.4	2.0	0.0	3.9	0.1	
	Industri lain	6.0	9.8	3.1	4.9	5.9	6.0	5.0	5.5	8.2	9.8	4.8	7.7	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.0	1.7	3.1	4.5	4.7	4.0	3.9	4.6	5.3	1.7	3.8	-1.9	
18110	Percetakan	4.7	2.3	4.0	5.8	6.2	4.7	4.5	5.5	6.3	2.3	4.3	-1.5	
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	0.9	-1.2	-0.6	-1.0	-1.2	0.9	1.4	0.7	1.0	-1.2	1.5	-3.4	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.2	3.7	3.0	2.7	2.9	4.2	4.3	5.1	3.1	3.7	4.1	2.9	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.8	0.3	-3.5	-1.8	-2.4	1.8	3.5	3.1	0.1	0.3	3.1	-0.6	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.6	9.1	-22.8	-21.3	-23.0	5.6	13.2	9.0	10.0	9.1	7.2	9.0	
20112 & 20113	Pembuatan kimia organik asas	8.5	-1.9	10.1	11.7	12.3	8.5	9.4	7.6	2.5	-1.9	9.6	-2.4	
20121 & 20129	Pembuatan sebatian bukan organik	-16.2	-5.9	-16.0	-15.8	-17.2	-16.2	-12.5	-8.6	-16.7	-5.9	-13.9	-10.7	
20131	Pembuatan baja	1.2	2.1	-2.6	-2.4	-2.6	1.2	0.2	1.0	2.4	2.1	2.2	3.4	
	Pembuatan produk campuran nitrogen	13.0	6.6	14.2	27.2	23.5	13.0	14.1	5.7	6.9	6.6	14.8	3.9	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.3	-2.6	3.6	3.8	4.1	4.3	1.2	0.1	0.2	-2.6	4.3	-2.1	
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.3	13.8	1.3	1.5	0.5	-0.3	7.5	6.2	14.9	13.8	6.0	10.5	
20221	Pembuatan cat, varnis dan penyadur dan mastik	-0.3	1.4	-7.1	-7.9	-6.5	-0.3	-11.2	4.0	2.7	1.4	-1.2	5.1	
20222	Pembuatan dakwat cetak	15.2	4.7	18.6	15.4	15.7	15.2	3.6	6.0	4.0	4.7	16.8	3.9	
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	5.7	-7.7	-2.0	-2.0	1.1	5.7	4.4	-5.0	-5.3	-7.7	4.3	-7.1	
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	3.3	-4.0	17.6	18.5	13.7	3.3	3.4	1.0	2.0	-4.0	3.5	-4.2	
20299	Pembuatan dakwat menulis dan melukis	-11.4	-32.2	-5.9	-8.2	-7.2	-11.4	-4.0	-6.1	-36.1	-32.2	-7.3	-35.6	
	Pembuatan produk kimia lain t.t.t.l.													
	Industri lain													
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.9	2.3	5.9	6.6	8.6	8.9	8.5	-0.3	1.6	2.3	8.5	1.4	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	7.0	1.1	5.8	5.8	8.7	7.0	6.1	0.1	1.5	1.1	5.7	0.6	
	Industri lain	13.8	5.4	6.1	8.5	8.3	13.8	14.4	-1.2	2.0	5.4	15.3	3.5	
221	Pembuatan produk getah	-0.2	-4.0	1.7	-0.5	0.2	-0.2	-2.7	-9.2	-6.0	-4.0	-3.1	-4.1	
22111	Pembuatan tayar getah untuk kenderaan	-6.1	2.6	-0.5	-4.3	-5.1	-6.1	-6.3	-6.3	3.0	2.6	-7.1	1.1	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.6	12.0	1.0	2.6	4.1	3.6	12.2	14.2	14.0	12.0	10.7	9.5	
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.8	4.4	-7.1	-5.5	0.4	5.8	12.5	13.2	7.0	4.4	11.7	1.4	
2024	Pengilangan semula getah dan prosesan susu getah	-1.1	-9.0	2.7	0.8	-0.6	-1.1	-8.5	-18.7	-14.0	-9.0	-8.6	-6.9	
22199	Pembuatan sarung tangan getah	-0.4	-1.5	5.4	0.1	2.8	-0.4	0.9	-3.2	0.1	-1.5	0.2	-4.1	
	Pembuatan produk getah lain yang t.t.t.l.													
222	Pembuatan produk plastik	3.3	3.3	0.1	1.0	4.3	3.3	2.5	2.6	2.9	3.3	5.8	2.5	
22201 & 22202	Pembuatan produk plastik separa siap	11.4	1.6	2.0	5.6	8.8	11.4	3.8	2.4	2.7	1.6	13.5	1.6	
22203	Pembuatan produk plastik siap	4.0	5.8	3.7	3.5	6.8	4.0	4.3	4.7	6.5	5.8	7.9	4.6	
22204	Pembuatan artikel plastik untuk pembungkusan barangan	9.3	0.3	4.1	7.0	7.9	9.3	2.6	3.7	3.1	0.3	10.6	-0.4	
22205	Pembuatan barangan plastik jurubina	9.4	0.7	13.2	17.9	20.8	9.4	-1.4	-5.4	-6.2	0.7	-1.5	-0.2	
22209	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-4.1	3.0	-7.4	-8.3	-4.9	-4.1	1.0	3.1	2.2	3.0	0.9	2.2	
	Pembuatan pelbagai produk plastik t.t.t.l.													
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	11.3	-1.0	4.1	12.6	17.6	11.3	11.3	5.5	2.6	-1.0	11.5	-0.6	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
1.3	2.7	3.0	3.5	1.8	1.4	2.2	2.2	1.5	2.0	2.2	1.2	0.6	-0.3	Manufacture of products of wood, cork, straw and plaiting materials
2.4	4.4	2.6	2.7	1.2	1.3	4.3	3.5	2.3	2.7	3.2	3.1	2.3	1.5	Manufacture of veneer sheets and plywood
-8.8	-7.6	-7.7	-8.2	-4.5	-4.3	-4.9	8.1	6.6	5.5	7.2	8.4	10.3	10.8	Manufacture of particle board and fibreboard
-2.3	-1.1	6.5	9.1	5.3	4.1	3.2	-3.3	-4.0	-3.0	-5.4	-10.9	-11.2	-13.0	Manufacture of builders' carpentry
6.7	7.0	7.1	8.0	4.0	2.6	-0.5	-0.3	0.5	1.9	2.5	2.3	0.8	-0.1	Other industry
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	Manufacture of paper and paper products
5.2	7.9	7.1	7.2	-2.8	-3.2	-3.6	-0.4	-3.0	-3.6	-4.8	-2.4	0.7	-0.5	Manufacture of pulp, paper and paperboard
6.5	5.6	5.4	4.3	4.0	3.6	2.1	0.4	0.5	-0.01	-0.7	-1.4	-1.8	-2.1	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.1	3.9	4.4	5.1	3.1	1.7	2.3	1.9	0.1	1.3	7.4	4.1	1.3	-1.6	Manufacture of envelopes and letter-card
-1.3	-1.4	-1.7	-1.6	-0.4	-1.6	-3.8	2.4	4.5	5.8	5.4	5.1	4.5	5.5	Manufacture of household and personal hygiene paper
3.8	3.9	4.3	5.7	3.3	4.4	4.1	1.8	2.0	2.7	0.3	0.0	0.1	0.1	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
4.1	4.8	5.0	5.0	5.8	5.5	4.6	8.1	8.2	9.4	9.5	9.8	7.9	7.7	Other industry
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	Printing, service activities related to printing and reproduction of recorded media
4.8	4.3	4.5	7.6	8.2	5.5	5.6	6.1	6.3	3.1	1.9	2.3	-2.2	-1.5	Printing
1.2	1.5	1.4	1.2	1.4	0.7	1.3	2.2	1.0	1.2	-0.2	-1.2	-3.5	-3.4	Service activities related to printing
														Reproduction of recorded media
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	Manufacture of refined petroleum products
2.8	3.1	3.5	2.2	2.7	3.1	-1.1	0.4	0.1	0.2	1.2	0.3	-0.2	-0.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
5.7	7.2	13.2	6.7	10.8	9.0	8.5	9.8	10.0	9.4	9.6	9.1	9.3	9.0	Manufacture of liquefied or compressed inorganic industrial or medical gases
8.9	9.6	9.4	6.2	6.5	7.6	1.8	3.0	2.5	2.8	-0.7	-1.9	-2.3	-2.4	Manufacture of basic organic chemicals
														Manufacture of inorganic compounds
														Manufacture of fertilizers
-14.2	-13.9	-12.5	-8.7	-8.7	-8.6	-15.6	-15.4	-16.7	-17.1	-5.1	-5.9	-7.0	-10.7	Manufacture of associated nitrogen products
3.2	2.2	0.2	0.3	0.5	1.0	0.3	2.3	2.4	2.2	3.0	2.1	1.5	3.4	Manufacture of plastics in primary forms
13.3	14.8	14.1	8.4	5.2	5.7	0.7	5.7	6.9	8.9	7.0	6.6	6.1	3.9	Other industry
3.6	4.3	1.2	2.9	0.8	0.1	1.4	1.4	0.2	0.2	-1.5	-2.6	-2.8	-2.1	Manufacture of other chemical products and man-made fibres
1.2	6.0	7.5	7.2	8.2	6.2	6.3	17.0	14.9	18.0	13.2	13.8	13.1	10.5	Manufacture of pesticides and other agrochemical products
0.1	-1.2	-11.2	3.2	4.0	4.0	4.1	4.4	2.7	2.9	2.3	1.4	0.1	5.1	Manufacture of paints, varnishes and similar coatings ink and mastics
16.7	16.8	3.6	4.4	4.1	6.0	6.6	5.5	4.0	4.5	4.9	4.7	4.0	3.9	Manufacture of printing ink
2.5	4.3	4.4	3.1	-3.9	-5.0	-3.8	-3.5	-5.3	-6.0	-7.4	-7.7	-7.5	-7.1	Manufacture of soap and detergents, cleaning and polishing preparations
														Manufacture of perfumes and toilet preparations
4.1	3.5	3.4	1.2	2.2	1.0	3.9	1.9	2.0	2.3	-0.8	-4.0	-4.2	-4.2	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
														Manufacture of writing and drawing ink
														Manufacture of other chemical products n.e.c.
-14.9	-7.3	-4.0	-3.9	-4.1	-6.1	-7.3	-30.4	-36.1	-40.7	-35.1	-32.2	-31.0	-35.6	Other industry
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	Manufacture of pharmaceuticals, medicinal chemical and botanical products
6.5	5.7	6.1	3.4	1.1	0.1	-0.6	1.4	1.5	0.8	0.8	1.1	1.0	0.6	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
13.6	15.3	14.4	-3.8	-0.6	-1.2	2.2	2.4	2.0	4.8	5.5	5.4	3.8	3.5	Other industry
-3.7	-3.1	-2.7	-7.6	-8.7	-9.2	-8.3	-6.3	-6.0	-4.8	-3.8	-4.0	-3.6	-4.1	Manufacture of rubber products
-7.3	-7.1	-6.3	-6.1	-6.4	-6.3	13.6	2.7	3.0	2.3	2.5	2.6	2.8	1.1	Manufacture of rubber tyres for vehicles
3.5	10.7	12.2	6.4	9.1	14.2	15.3	13.9	14.0	14.7	15.2	12.0	12.0	9.5	Manufacture of interchangeable tyre treads and retreading rubber tyres
7.2	11.7	12.5	9.4	10.7	13.2	15.6	8.6	7.0	6.7	4.2	4.4	3.8	1.4	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
														Rubber remilling and latex processing
-8.6	-8.6	-8.5	-14.7	-16.3	-18.7	-19.3	-14.4	-14.0	-12.1	-9.4	-9.0	-7.6	-6.9	Manufacture of rubber gloves
0.6	0.2	0.9	-3.1	-4.9	-3.2	-4.3	-0.7	0.1	0.9	-0.1	-1.5	-2.7	-4.1	Manufacture of other rubber products n.e.c.
4.7	5.8	2.5	2.4	3.0	2.6	4.0	2.8	2.9	3.2	3.5	3.3	3.3	2.5	Manufacture of plastics products
12.4	13.5	3.8	4.7	5.5	2.4	1.6	2.1	2.7	3.0	1.8	1.6	1.5	1.6	Manufacture of semi-manufactures of plastic products
														Manufacture of finished plastic products
5.8	7.9	4.3	4.4	5.1	4.7	6.7	6.1	6.5	5.8	5.8	5.8	6.1	4.6	Manufacture of plastic articles for the packing of goods
9.7	10.6	2.6	1.5	3.7	3.7	2.7	2.9	3.1	1.2	1.1	0.3	0.7	-0.4	Manufacture of builders' plastics ware
-2.8	-1.5	-1.4	-4.9	-4.8	-5.4	-9.5	-3.5	-6.2	-2.6	-1.3	0.7	1.3	-0.2	Manufacture of plastic tableware, kitchenware and toilet articles
0.6	0.9	1.0	1.2	1.6	3.1	7.3	2.1	2.2	2.7	3.8	3.0	2.6	2.2	Manufacture of diverse plastic products n.e.c.
10.2	11.5	11.3	11.5	6.2	5.5	-0.4	1.5	2.6	1.9	-0.3	-1.0	-1.0	-0.6	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		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.5	2.5	0.3	1.5	0.3	-0.5	-2.0	0.04	2.1	2.5	-1.5	0.2	
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-6.6	-8.1	-9.2	-9.5	-8.5	-6.6	-6.4	-5.2	-4.0	-8.1	-4.7	-8.8	
23930	Pembuatan produk porselin dan seramik lain	2.9	-14.9	-2.0	-2.8	5.1	2.9	-12.6	-11.8	-14.2	-14.9	-13.3	-3.0	
23941	Pembuatan simen hidroliik	-4.7	1.0	3.6	6.9	-4.5	-4.7	-6.6	-9.9	0.7	1.0	-3.7	0.1	
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.3	1.5	3.1	5.2	2.3	4.3	1.7	-0.8	1.8	1.5	3.4	0.3	
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.	-0.9	4.1	2.4	3.7	2.8	-0.9	0.7	6.2	5.1	4.1	0.1	-3.8	
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.8	12.4	7.7	7.1	4.9	0.8	-5.1	0.3	6.6	12.4	-4.4	14.0	
	Industri lain	1.0	14.8	-7.8	-5.1	-3.6	1.0	1.8	2.5	6.7	14.8	0.3	13.4	
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	0.4	5.3	0.9	3.8	6.0	0.4	1.7	1.6	4.9	5.3	1.0	7.5	
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.6	-5.9	0.02	1.1	2.3	1.6	-0.4	-0.3	-4.8	-5.9	0.4	-8.1	
243	Pengacuan logam	-2.8	1.6	0.2	0.5	0.9	-2.8	-2.4	0.1	1.8	1.6	-2.0	-0.7	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.8	1.4	-2.3	1.6	-2.1	0.8	1.1	1.3	2.2	1.4	1.3	1.2	
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-0.2	4.6	-3.2	0.3	-5.6	-0.2	-0.9	0.2	6.0	4.6	-0.3	4.2	
25120	Pembuatan produk struktur logam lain	4.6	-8.3	1.1	4.1	7.1	4.6	6.2	3.4	-8.7	-8.3	5.5	-6.9	
	Industri lain	0.5	-0.7	-2.0	4.7	3.9	0.5	4.3	3.6	-0.5	-0.7	3.9	-1.9	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	5.4	2.6	2.8	3.5	2.2	2.1	2.2	5.2	5.4	3.3	4.3	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	1.5	-0.3	1.6	2.7	5.5	1.5	-1.1	-5.8	-2.0	-0.3	-1.4	-1.7	
25920	Rawatan dan penyalutan logam; menggunakan mesin	5.8	-9.7	3.2	2.1	7.0	5.8	4.8	6.8	-6.9	-9.7	6.2	-11.8	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.9	6.1	1.0	1.0	2.4	-1.9	0.5	-1.6	7.5	6.1	0.6	5.5	
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	0.3	8.3	1.1	1.8	-0.5	0.3	1.8	3.2	6.6	8.3	3.0	8.4	
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya													
25994	Pembuatan barangan rumah daripada logam	-0.8	14.1	-6.0	1.5	-1.2	-0.8	1.8	5.2	11.8	14.1	0.6	11.8	
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.4	7.9	5.4	3.9	3.6	5.4	3.5	5.2	10.1	7.9	8.2	5.9	
	Industri lain	-0.3	21.8	4.8	4.7	4.5	-0.3	3.8	7.1	18.7	21.8	3.3	21.6	
261	Pembuatan komponen dan papan elektronik	7.4	1.9	8.4	8.3	9.5	7.4	6.5	7.1	4.8	1.9	7.2	-1.6	
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	6.7	0.9	7.2	7.6	8.0	6.7	5.1	4.1	2.2	0.9	6.1	-1.5	
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro													
26103 & 26104	Pembuatan kapasitor dan perintang elektrik	9.3	3.0	10.9	10.2	13.0	9.3	9.5	12.1	8.4	3.0	10.0	-2.5	
26105	Pembuatan papan litar bercetak													
26109	Pembuatan komponen paparan	1.1	3.0	3.7	4.1	3.1	1.1	0.2	2.8	4.7	3.0	0.4	3.5	
26109	Pembuatan komponen lain untuk aplikasi elektronik													
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.8	-3.2	8.8	9.4	7.0	5.8	0.3	-1.1	-2.4	-3.2	0.5	1.3	
263/ 26300	Pembuatan peralatan komunikasi	7.8	0.3	4.6	4.6	8.4	7.8	6.6	4.7	-0.6	0.3	6.7	0.3	
264/ 26400	Pembuatan peralatan elektronik pengguna	3.9	3.4	0.6	5.4	4.2	3.9	0.9	-2.8	5.7	3.4	0.6	4.0	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	8.2	-0.1	3.8	5.0	8.0	8.2	8.5	7.5	2.0	-0.1	9.2	-0.7	
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	8.8	0.2	2.9	3.4	6.2	8.8	10.0	10.8	3.1	0.2	10.4	-0.6	
26520	Pembuatan kelengkapan kawalan proses perindustrian													
26520	Pembuatan jam tangan dan jam dan bahagiannya	6.0	-1.1	6.7	10.7	14.6	6.0	3.4	-3.1	-1.5	-1.1	5.1	-0.8	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	1.5	-3.1	-0.4	-1.1	-1.8	1.5	1.8	1.4	-2.1	-3.1	1.5	-5.9	

2023												2024				Group Description/Period	
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.				
-1.0	-1.5	-2.0	-2.0	-0.5	0.0	1.0	1.9	2.1	1.8	2.5	2.5	-0.5	0.2	Manufacture of non-metallic mineral products			
														Manufacture of refractory mortars and concretes			
-5.3	-4.7	-6.4	-5.9	-6.1	-5.2	-7.4	-4.3	-4.0	-5.8	-8.6	-8.1	-8.6	-8.8	Manufacture of non-refractory ceramic			
1.4	-13.3	-12.6	-12.8	-11.1	-11.8	-12.6	-11.1	-14.2	-15.1	-13.6	-14.9	-16.5	-3.0	Manufacture of other porcelain and ceramic products			
-3.6	-3.7	-6.6	-9.6	-9.7	-9.9	-6.8	1.4	0.7	0.4	0.5	1.0	0.4	0.1	Manufacture of hydraulic cement			
4.4	3.4	1.7	-2.7	-0.3	-0.8	2.6	0.0	1.8	0.7	1.3	1.5	0.7	0.3	Manufacture of ready-mix and dry-mix concrete and mortars			
														Manufacture of precast concrete, cement or artificial stone articles for use in construction			
-1.2	0.1	0.7	3.5	5.2	6.2	5.3	5.5	5.1	4.0	5.0	4.1	-3.9	-3.8	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.			
-4.1	-4.4	-5.1	-3.7	-0.1	0.3	5.6	4.0	6.6	12.4	12.9	12.4	15.0	14.0	Manufacture of other non-metallic mineral products n.e.c.			
-0.5	0.3	1.8	0.5	1.1	2.5	4.2	6.4	6.7	6.2	12.6	14.8	13.3	13.4	Other industry			
1.8	1.0	1.7	1.3	2.1	1.6	1.3	2.9	4.9	4.3	5.1	5.3	5.4	7.5	Manufacture of basic iron and steel			
0.7	0.4	-0.4	-1.6	-0.7	-0.3	-0.9	-4.0	-4.8	-4.4	-5.7	-5.9	-5.3	-8.1	Manufacture of basic precious and other non-ferrous metals			
-3.2	-2.0	-2.4	1.6	1.4	0.1	-0.6	2.2	1.8	2.0	1.5	1.6	0.7	-0.7	Casting of metals			
0.3	1.3	1.1	0.5	1.2	1.3	1.4	2.6	2.2	1.8	1.7	1.4	2.0	1.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition			
														Manufacture of metal doors, windows and their frames, shutters and gates			
-1.3	-0.3	-0.9	-0.9	-0.2	0.2	1.6	7.5	6.0	5.8	4.9	4.6	5.0	4.2	Manufacture of other structural metal products			
5.2	5.5	6.2	2.3	3.2	3.4	1.6	-9.3	-8.7	-9.6	-7.7	-8.3	-6.5	-6.9	Manufacture of tanks, reservoirs and containers of metal			
1.7	3.9	4.3	4.5	5.3	3.6	0.2	-4.2	-0.5	-1.1	-0.2	-0.7	-0.9	-1.9	Other industry			
2.8	3.3	2.1	2.2	2.7	2.2	3.1	4.7	5.2	5.5	5.0	5.4	5.4	4.3	Manufacture of other fabricated metal products; metal working service activities			
1.2	-1.4	-1.1	-3.7	-4.5	-5.8	-1.9	-0.8	-2.0	-0.8	-0.1	-0.3	-1.1	-1.7	Forging, pressing, stamping and roll-forming of metal; powder metallurgy			
6.1	6.2	4.8	6.1	6.5	6.8	3.8	-5.5	-6.9	-7.6	-7.1	-9.7	-9.0	-11.8	Treatment and coating of metals; machining			
-0.3	0.6	0.5	-4.9	-1.9	-1.6	-1.2	6.7	7.5	8.8	5.7	6.1	7.5	5.5	Manufacture of tins and cans for food products, collapsible tubes and boxes			
														Manufacture of metal cable, plaited bands and similar articles			
2.2	3.0	1.8	3.5	4.1	3.2	4.7	4.2	6.6	5.9	3.9	8.3	9.4	8.4	Manufacture of bolts, screws, nuts and similar threaded products			
1.6	0.6	1.8	6.4	4.3	5.2	11.5	9.8	11.8	13.5	13.9	14.1	11.6	11.8	Manufacture of metal household articles			
5.3	8.2	3.5	5.4	5.9	5.2	5.1	9.6	10.1	10.5	8.3	7.9	7.8	5.9	Manufacture of any other fabricated metal products n.e.c.			
0.5	3.3	3.8	4.6	6.8	7.1	6.6	15.8	18.7	19.1	22.2	21.8	20.9	21.6	Other industry			
6.9	7.2	6.5	7.7	8.1	7.1	4.0	4.5	4.8	4.6	3.1	1.9	1.2	-1.6	Manufacture of electronic components and boards			
														Manufacture of diodes, transistors and similar semiconductor devices			
5.9	6.1	5.1	7.7	5.9	4.1	1.7	2.3	2.2	2.4	2.2	0.9	1.1	-1.5	Manufacture of electronic integrated circuits micro assemblies			
														Manufacture of electrical capacitors and resistors			
9.5	10.0	9.5	9.1	12.4	12.1	7.5	8.0	8.4	7.6	4.5	3.0	1.1	-2.5	Manufacture of printed circuit boards			
														Manufacture of display components			
0.3	0.4	0.2	-1.4	1.5	2.8	2.9	3.1	4.7	4.9	2.5	3.0	3.4	3.5	Manufacture of other components for electronic applications			
0.5	0.5	0.3	0.2	-0.3	-1.1	-1.7	-4.4	-2.4	-2.0	-3.7	-3.2	1.2	1.3	Manufacture of computers and peripheral equipment			
8.6	6.7	6.6	6.7	5.9	4.7	-2.5	0.2	-0.6	1.2	1.1	0.3	0.2	0.3	Manufacture of communication equipment			
0.8	0.6	0.9	-2.8	-2.1	-2.8	-5.2	-4.1	5.7	3.9	3.2	3.4	3.6	4.0	Manufacture of consumer electronics			
7.4	9.2	8.5	8.6	9.5	7.5	4.4	0.3	2.0	1.2	0.1	-0.1	0.2	-0.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks			
8.2	10.4	10.0	10.1	12.1	10.8	6.9	2.0	3.1	2.0	0.3	0.2	0.3	-0.6	Manufacture of measuring, testing, navigating and control equipment			
														Manufacture of industrial process control equipment			
4.9	5.1	3.4	3.6	0.9	-3.1	-3.6	-5.3	-1.5	-1.6	-0.6	-1.1	-0.04	-0.8	Manufacture of watches and clocks and parts			
2.2	1.5	1.8	2.2	2.1	1.4	-7.8	-5.2	-2.1	-3.1	-3.4	-3.1	-6.6	-5.9	Manufacture of irradiation, electromedical and electrotherapeutic equipment			

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		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.4	1.7	-11.2	-6.6	-4.2	-1.4	6.0	-1.4	3.9	1.7	5.0	-4.0	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.8	-1.6	4.0	4.0	4.6	2.8	3.2	2.4	0.8	-1.6	2.6	-3.1	
	27101 Pembuatan motor elektrik, penjana dan transformer	-2.3	0.7	0.6	1.2	-0.2	-2.3	-1.0	-2.1	1.3	0.7	-1.3	-1.1	
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	6.8	-3.2	6.9	6.3	8.4	6.8	6.6	5.9	0.5	-3.2	5.7	-4.6	
272/ 27200	Pembuatan bateri dan akumulator	8.3	-0.2	-5.3	-3.5	2.8	8.3	1.6	3.3	1.0	-0.2	1.4	1.9	
273	Pembuatan pendawaian dan peranti pendawaian	-0.4	-2.3	9.8	9.4	5.3	-0.4	1.6	-3.2	-1.1	-2.3	2.7	-2.0	
	27310 Pembuatan kabel gentian optikal	4.4	4.6	5.6	10.5	8.5	4.4	1.3	1.0	-6.2	4.6	6.3	2.6	
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	1.2	-3.9	9.1	10.1	5.6	1.2	3.2	-2.5	-0.2	-3.9	4.3	-3.1	
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-23.7	19.5	22.6	0.9	0.3	-23.7	-17.8	-14.5	-9.5	19.5	-18.6	11.3	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.0	7.6	-17.5	-12.3	-1.5	-1.0	-0.5	-6.2	-3.4	7.6	-4.8	10.0	
275/ 27500	Pembuatan perkakasan domestik	-3.1	-0.5	2.1	3.6	1.4	-3.1	-1.2	1.2	0.4	-0.5	-2.4	-1.6	
279/ 27900	Pembuatan kelengkapan elektrik lain	3.1	-1.4	3.5	6.5	4.1	3.1	1.9	-1.1	1.3	-1.4	3.8	-2.8	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.6	-2.4	1.2	2.8	4.4	3.6	3.8	2.3	-0.1	-2.4	3.2	-2.1	
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-1.0	-15.9	24.1	23.6	19.4	-1.0	2.1	5.5	-2.2	-15.9	3.5	-24.9	
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.1	3.0	-4.2	-3.9	-4.1	-2.1	0.7	2.3	1.7	3.0	-1.9	5.7	
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	15.3	-12.5	2.1	2.4	11.2	15.3	9.4	6.7	-6.3	-12.5	11.7	-14.0	
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-2.8	-9.4	0.1	0.1	-1.2	-2.8	-3.9	-1.2	-9.0	-9.4	-3.3	-10.9	
		6.3	0.8	0.9	4.3	6.6	6.3	6.1	1.7	2.5	0.8	5.4	2.3	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.5	1.3	1.9	4.0	5.2	4.5	0.4	0.6	2.2	1.3	0.7	3.8	
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	12.8	18.8	2.5	5.2	7.7	12.8	13.5	10.2	21.7	18.8	13.6	10.3	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	-1.7	2.2	3.4	2.9	2.1	1.9	0.8	-1.5	-1.7	1.7	-2.8	
301 (30110 & 30120)	Pembinaan kapal dan bot	8.5	9.5	-0.5	7.5	5.6	8.5	7.2	8.4	10.0	9.5	10.1	6.9	
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.	2.6	-1.5	1.0	4.7	4.9	2.6	-0.1	-1.1	-3.4	-1.5	-0.2	-2.4	
	30910 Pembuatan motosikal	3.4	10.0	2.7	4.4	4.8	3.4	4.6	3.3	9.2	10.0	3.8	5.1	
	30920 Pembuatan basikal dan <i>invalid carriages</i>	7.5	-54.4	-11.2	5.4	10.2	7.5	-5.5	-14.2	-51.0	-54.4	-4.4	-53.9	
	Industri lain	0.8	1.9	3.0	4.8	3.8	0.8	-2.6	-1.4	-2.0	1.9	-2.4	3.0	
310	Pembuatan perabot	0.6	6.1	4.4	10.7	1.9	0.6	0.5	1.0	3.0	6.1	0.7	5.0	
	31001 Pembuatan perabot kayu dan rotan	0.6	6.2	7.3	15.3	3.5	0.6	-0.3	0.1	3.2	6.2	0.0	4.8	
	Industri lain	0.5	5.7	-4.2	-2.6	-3.2	0.5	3.1	3.9	2.6	5.7	2.7	5.7	
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	3.3	1.6	-1.9	0.2	1.7	3.3	14.5	10.2	4.1	1.6	9.1	-9.3	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.6	3.5	4.0	5.7	6.6	3.6	2.1	0.9	4.4	3.5	2.3	4.4	
	32901 Pembuatan alat tulis	-2.2	-1.5	1.2	2.9	4.4	-2.2	-1.2	-2.9	-0.2	-1.5	-3.6	-1.1	
	Industri lain	5.4	5.0	4.8	6.6	7.2	5.4	3.1	2.0	5.7	5.0	4.2	6.0	
323/ 32300	Pembuatan barangan sukan	2.1	-22.6	-1.4	1.6	4.5	2.1	-1.1	-0.9	-18.6	-22.6	-2.3	-15.1	
324/ 32400	Pembuatan permainan dan mainan	8.2	-4.8	1.1	7.3	13.3	8.2	2.3	-0.8	-7.6	-4.8	2.4	-3.1	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.1	3.6	4.3	7.5	2.1	2.1	1.7	1.3	4.2	3.6	2.4	1.8	
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.5	5.3	-4.2	1.4	0.2	4.5	9.2	8.9	10.6	5.3	11.8	1.4	
	Industri lain	1.6	3.3	6.0	8.7	2.5	1.6	0.3	-0.1	3.0	3.3	0.6	1.9	
Jumlah Pembuatan		3.4	1.7	2.4	3.7	3.8	3.4	2.8	2.1	2.4	1.7	3.3	0.6	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
7.5	5.0	6.0	0.5	1.6	-1.4	-1.0	2.4	3.9	3.1	3.4	1.7	-5.7	-4.0	Manufacture of optical instruments, photographic equipment, magnetic and optical media
2.7	2.6	3.2	3.1	2.5	2.4	2.4	1.6	0.8	0.0	-0.5	-1.6	-2.0	-3.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-1.3	-1.3	-1.0	-1.1	-1.9	-2.1	-0.7	1.8	1.3	1.1	1.5	0.7	-1.6	-1.1	Manufacture of electric motors, generators and transformers
5.8	5.7	6.6	6.4	6.0	5.9	4.8	1.5	0.5	-0.8	-1.9	-3.2	-2.2	-4.6	Manufacture of electricity distribution and control apparatus
8.2	1.4	1.6	1.8	5.9	3.3	4.1	3.4	1.0	0.5	0.2	-0.2	-0.1	1.9	Manufacture of batteries and accumulators
-0.6	2.7	1.6	1.7	-3.0	-3.2	-2.6	-3.0	-1.1	-1.8	-3.9	-2.3	0.1	-2.0	Manufacture of wiring and wiring devices
5.9	6.3	1.3	1.6	1.3	1.0	-3.9	-6.0	-6.2	-3.3	6.8	4.6	3.6	2.6	Manufacture of fibre optic cables
0.6	4.3	3.2	3.1	-2.3	-2.5	-1.3	-2.1	-0.2	-1.2	-3.9	-3.9	-0.8	-3.1	Manufacture of other electronic and electric wires and cables
-18.6	-18.6	-17.8	-15.2	-14.1	-14.5	-17.8	-12.8	-9.5	-8.2	-9.8	19.5	11.7	11.3	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
-2.8	-4.8	-0.5	-3.4	-4.6	-6.2	-6.8	-2.1	-3.4	-2.1	7.4	7.6	10.4	10.0	Manufacture of electric lighting equipment
-3.2	-2.4	-1.2	-1.3	2.3	1.2	1.2	1.8	0.4	-2.0	1.2	-0.5	-0.3	-1.6	Manufacture of domestic appliances
3.6	3.8	1.9	1.1	0.1	-1.1	-0.6	0.3	1.3	0.2	-1.8	-1.4	-2.2	-2.8	Manufacture of other electrical equipment
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	Manufacture of general-purpose and special-purpose machinery
3.3	3.5	2.1	2.6	3.3	5.5	4.1	-2.2	-2.2	-1.9	-3.1	-15.9	-24.1	-24.9	Manufacture of fluid power equipment
														Manufacture of other pumps, compressors, taps and valves
-2.0	-1.9	0.7	0.6	-0.1	2.3	2.5	1.2	1.7	1.9	2.7	3.0	4.4	5.7	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
11.6	11.7	9.4	9.8	7.0	6.7	-5.4	-6.8	-6.3	-7.4	-10.2	-12.5	-13.0	-14.0	Manufacture of air-conditioning machines, including for motor vehicles
-3.4	-3.3	-3.9	-3.2	-2.0	-1.2	-0.6	-10.5	-9.0	-9.4	-8.6	-9.4	-10.1	-10.9	Manufacture of other special-purpose machinery
5.9	5.4	6.1	3.7	2.8	1.7	0.1	3.9	2.5	1.1	1.6	0.8	2.1	2.3	Other industry
4.0	0.7	0.4	1.7	4.1	0.6	1.0	2.0	2.2	2.8	2.7	1.3	1.8	3.8	Manufacture of motor vehicles
13.0	13.6	13.5	11.4	11.7	10.2	12.6	23.7	21.7	22.3	23.1	18.8	16.2	10.3	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
1.5	1.7	1.9	1.3	1.4	0.8	1.3	-1.4	-1.5	-1.7	-1.9	-1.7	-1.1	-2.8	Manufacture of parts and accessories for motor vehicles
9.6	10.1	7.2	7.5	8.6	8.4	8.1	8.5	10.0	6.6	8.1	9.5	7.3	6.9	Building of ships and boats
0.7	-0.2	-0.1	-0.6	-0.6	-1.1	0.2	-2.5	-3.4	-1.9	-2.0	-1.5	-2.0	-2.4	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
3.7	3.8	4.6	4.1	3.0	3.3	11.6	8.2	9.2	11.3	10.6	10.0	6.5	5.1	Manufacture of motorcycles
-2.7	-4.4	-5.5	-6.7	-10.5	-14.2	-26.1	-43.7	-51.0	-54.1	-55.2	-54.4	-53.9	-53.9	Manufacture of bicycles and invalid carriages
-1.0	-2.4	-2.6	-2.9	-0.9	-1.4	-2.3	-1.1	-2.0	0.2	0.8	1.9	2.8	3.0	Other industry
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	Manufacture of furniture
0.0	0.0	-0.3	-0.2	0.6	0.1	2.1	3.5	3.2	4.8	5.1	6.2	4.2	4.8	Manufacture of wooden and cane furniture
3.6	2.7	3.1	2.4	3.8	3.9	3.7	1.7	2.6	4.8	7.5	5.7	5.8	5.7	Other industry
8.6	9.1	14.5	11.2	11.8	10.2	4.0	3.0	4.1	3.4	1.8	1.6	-4.8	-9.3	Manufacture of jewellery, bijouterie and related articles
2.9	2.3	2.1	0.8	1.1	0.9	4.0	4.1	4.4	5.1	4.9	3.5	3.3	4.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-1.2	-3.6	-1.2	-2.0	-2.0	-2.9	-3.6	-0.5	-0.2	-0.2	-0.3	-1.5	-3.8	-1.1	Manufacture of stationery
4.2	4.2	3.1	1.6	2.0	2.0	6.3	5.4	5.7	6.7	6.5	5.0	5.4	6.0	Other industry
-1.7	-2.3	-1.1	-1.9	-2.2	-0.9	-1.3	-17.6	-18.6	-20.9	-18.0	-22.6	-18.5	-15.1	Manufacture of sports goods
5.7	2.4	2.3	3.9	2.4	-0.8	-14.4	-6.2	-7.6	-6.2	-6.5	-4.8	-3.8	-3.1	Manufacture of games and toys
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	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
9.9	11.8	9.2	10.5	8.6	8.9	9.5	12.0	10.6	8.4	7.6	5.3	0.7	1.4	Repair and maintenance of transport equipment except motorcycles and bicycles
0.7	0.6	0.3	-0.3	0.3	-0.1	1.8	2.8	3.0	2.6	2.6	3.3	2.6	1.9	Other industry
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	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	0.6	0.2	3.1	1.0	1.8	3.3	3.9	-1.3	2.9	-0.3
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.1	2.6	1.2	1.2	3.8	-0.3	0.5	-0.4	1.7	2.6
	10201 Pengetinan ikan, krustasea dan moluska										
	&										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.8	2.0	1.3	2.1	3.8	-1.0	-0.1	-0.5	1.7	2.7
	Industri lain	-3.4	5.6	0.8	-3.1	3.5	3.5	3.6	-0.2	2.0	2.0
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.3	-0.9	-1.4	-1.1	5.8	2.8	-3.3	-3.3	3.5	2.3
	10303 Pengetinan nanas										
	&										
	10304 Pembuatan jem, marmalad dan sajian jeli	-11.9	9.4	-0.1	16.8	-8.3	-1.5	1.8	-0.02	-8.9	0.4
	Industri lain	2.0	-1.4	-1.5	-2.1	6.7	3.1	-3.6	-3.5	4.3	2.5
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	0.5	0.2	2.6	2.5	1.4	0.3	4.4	0.4	0.7	0.9
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	&										
	10406 Pembuatan sebatian lemak masakan	-2.1	1.9	0.4	5.6	1.8	0.4	7.8	0.3	0.9	0.2
	10405 Pembuatan minyak kelapa	1.9	2.2	0.6	0.1	0.6	0.0	3.0	-0.1	0.3	0.0
	Industri lain	0.6	0.1	2.8	2.4	1.4	0.3	4.3	0.5	0.7	1.0
105	Pembuatan produk tenusu	-1.1	2.0	-0.9	1.1	0.3	-0.6	3.6	0.8	0.5	-0.2
	10502 Pembuatan susu pekat, tepung dan sejat	-2.3	1.0	-1.2	1.5	0.04	-1.21	2.82	0.3	0.4	-0.2
	Industri lain	2.5	4.7	0.1	-0.03	1.1	0.8	5.6	2.3	0.7	-0.1
106	Pembuatan produk bijian, kanji dan produk berkanji	0.6	-0.7	2.4	1.3	1.3	-0.7	2.2	0.3	0.5	1.5
	10611 Pengilangan beras	3.0	-0.6	5.6	1.3	2.1	-2.2	1.7	0.2	0.9	1.9
	10613 Pengilangan tepung	-0.4	-0.6	-0.3	1.9	1.8	0.7	3.1	0.4	0.1	2.3
	Industri lain	-6.1	-1.7	-0.5	-1.4	-6.1	0.2	0.5	-0.2	0.3	-4.6
107	Pembuatan produk makanan lain	3.0	-0.3	1.0	1.8	2.0	0.8	4.9	1.0	1.8	0.6
	10711 Pembuatan biskut dan cookies	0.7	0.5	0.6	-0.8	1.8	-1.0	1.6	0.4	2.3	1.5
	10712 Pembuatan roti, kek dan produk bakeri lain	-3.2	0.4	2.0	4.4	1.7	1.3	3.8	1.1	0.9	0.3
	10713 Pembuatan produk snek	-0.2	1.5	-0.1	3.7	0.1	1.2	2.7	4.5	0.2	0.4
	10721 Pembuatan gula	0.2	-1.8	0.9	-0.5	0.9	1.3	5.3	-2.2	0.2	0.0
	10731 Pembuatan produk koko	0.1	0.3	2.5	-3.3	-1.6	3.6	0.9	0.3	0.1	1.1
	10732 Pembuatan coklat dan produk coklat										
	&										
	10733 Pembuatan konfeksi gula	-1.2	1.9	2.1	-4.8	0.8	0.4	7.7	0.8	3.3	-1.9
	10793 Pembuatan sos dan bahan perasa	8.0	1.4	-1.5	7.0	2.9	0.2	6.6	5.8	2.0	0.1
	10799 Pembuatan produk makanan lain t.t.t.l.	22.4	-7.0	2.1	-4.6	2.3	4.4	14.7	-2.1	3.3	-0.6
	Industri lain	2.3	0.6	0.6	3.6	2.9	-0.5	2.5	0.6	1.8	1.8
108/ 10800	Pembuatan makanan haiwan tersedia	-0.5	4.4	-0.2	0.9	0.2	-2.7	-6.1	-4.2	0.2	0.4
110	Pembuatan minuman ringan	2.2	-0.4	-0.6	1.4	2.4	0.6	-1.6	1.2	1.3	0.8
	11041 Pembuatan minuman ringan	2.5	0.0	-0.5	1.0	1.2	1.0	-2.2	1.0	-0.05	0.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	0.1	-0.5	-2.2	0.8	7.0	-0.6	-1.6	0.2	5.6	0.1
	Industri lain	5.2	-1.9	2.0	5.1	0.03	0.9	2.4	4.6	-0.2	1.8
120/ 12000	Pembuatan produk tembakau	17.9	-17.2	2.4	2.8	17.5	-13.4	1.4	-0.9	5.2	11.4
131	Pemintalan, penenunan dan penyiapan tekstil	-0.6	-2.8	1.9	-0.2	1.7	-0.5	1.6	-1.6	1.1	-0.7
	13110 Penyediaan dan pemintalan gentian tekstil										
	&										
	13120 Penenunan tekstil	-2.5	-3.5	0.8	1.7	2.4	-0.7	3.2	-1.6	1.2	-1.0
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	2.8	-0.5	4.2	-3.3	-1.9	0.3	-2.5	-0.5	-0.3	-0.8
	Industri lain	9.4	-6.4	3.4	-10.2	19.4	-3.5	4.0	-9.3	11.4	4.0
139	Pembuatan tekstil lain	-0.5	3.1	-0.1	0.02	0.2	2.2	0.03	-0.5	0.6	-1.0
	13910 Pembuatan fabrik dikait dan dikrusye	0.0	1.0	-0.1	-2.8	-3.0	0.7	-1.1	-1.1	-0.3	-0.3
	Industri lain	-0.9	4.5	-0.05	1.9	2.2	3.2	0.7	-0.2	1.1	-1.4
141	Pembuatan pakaian, kecuali pakaian berbulu	1.5	-1.1	-1.8	4.1	0.7	0.2	-2.0	3.7	0.6	-0.1
	14102 Pembuatan pakaian	0.3	0.1	-1.8	4.4	0.6	-0.3	-2.3	4.7	1.1	-0.9
	Industri lain	4.9	-4.1	-1.8	3.2	1.0	1.6	-1.0	0.9	-0.7	2.0
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	4.0	1.0	-2.0	-0.3	8.1	-0.2	2.5	-1.9	2.5	3.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-1.0	-5.8	2.3	0.2	3.2	-4.7	2.7	-1.6	1.7	1.4
152	Pembuatan kasut	2.8	3.5	0.9	1.3	3.9	1.3	-0.9	0.8	3.1	2.4
	15201 Pembuatan kasut kulit										
	&										
	15203 Pembuatan kasut getah	3.0	3.4	1.1	2.4	0.3	-2.5	-0.2	1.6	3.9	-1.4
	Industri lain	2.6	3.8	0.6	-0.1	8.4	5.8	-1.5	-0.03	2.0	7.3
161/ 16100	Pengilangan dan pengetaman kayu	0.3	-1.7	1.3	-1.8	0.5	-2.4	0.04	-0.8	2.5	-0.04

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.8	3.4	0.2	-0.4	-1.6	0.4	5.1	0.4	-0.1	-1.6	1.1	0.6	Processing and preserving of meat
-0.6	-0.5	0.2	-0.05	0.5	-1.6	1.6	-0.4	-0.8	0.8	2.7	-0.4	Processing and preserving of fish, crustaceans and molluscs
-0.6	-0.7	0.3	-0.5	1.5	-3.2	1.7	0.1	-1.5	0.9	2.7	-0.9	Canning of fish, crustaceans and molluscs
-0.5	0.8	0.02	2.7	-5.1	7.7	1.4	-2.9	2.8	0.1	2.7	2.1	Processing, curing and preserving of fish, crustacean and molluscs
-0.2	0.5	2.8	-0.4	-1.0	-4.7	2.4	0.0	-1.6	-1.7	3.7	2.0	Other industry
												Processing and preserving of fruits and vegetable
												Pineapple canning
0.2	-0.4	0.6	-1.6	3.3	-2.4	1.0	0.3	-0.9	0.5	-4.1	10.0	Manufacture of jams, marmalades and table jellies
-0.2	0.6	2.9	-0.4	-1.2	-4.9	2.5	-0.02	-1.7	-1.8	4.2	1.6	Other industry
-0.2	-0.6	0.3	0.5	1.1	0.7	2.5	0.5	-0.04	-0.01	-0.1	-0.4	Manufacture of vegetable and animal oils and fats
												Manufacture of crude and refined vegetable oil
0.7	-0.6	0.4	0.6	0.5	6.3	0.9	0.3	-0.1	0.1	-1.2	3.7	Manufacture of compound cooking fats
0.3	-0.1	0.1	0.0	-0.6	1.6	2.0	0.0	-0.4	0.3	1.4	0.1	Manufacture of coconut oil
-0.2	-0.6	0.3	0.5	1.2	0.4	2.6	0.5	-0.03	-0.03	-0.1	-0.7	Other industry
0.03	0.5	-1.4	0.2	0.6	1.2	1.7	0.1	0.6	0.2	1.1	-0.6	Manufacture of dairy products
-0.2	1.6	-2.6	-0.2	0.8	1.1	0.9	-0.3	0.3	0.3	2.1	-0.9	Manufacture of condensed, powdered and evaporated milk
0.6	-2.3	2.0	1.2	0.2	1.6	3.7	1.2	1.3	-0.3	-1.4	0.0	Other industry
-0.7	-1.0	0.5	-0.2	-0.2	-1.9	4.4	-0.1	0.3	-0.02	0.7	-2.3	Manufacture of grain mill products, starches and starch products
-0.7	-1.8	0.6	-0.9	-0.4	-3.0	5.2	0.0	0.8	-0.6	1.7	0.5	Rice milling
-0.5	-0.3	0.4	0.6	-0.2	-0.5	3.9	0.1	-0.3	0.6	0.05	-5.5	Flour milling
-1.8	0.2	0.7	-0.6	1.4	-3.3	2.4	-1.5	1.0	0.3	-2.0	-0.4	Other industry
-0.4	0.9	0.2	-0.3	1.0	2.1	1.7	0.9	-0.1	0.2	1.1	-0.4	Manufacture of other food products
-2.0	-0.5	-0.1	-0.4	0.3	0.5	0.8	-0.4	0.4	0.3	0.4	-1.1	Manufacture of biscuits and cookies
0.5	1.5	-0.4	0.2	3.4	-1.1	1.5	1.2	-0.1	0.1	0.6	0.1	Manufacture of bread, cakes and other bakery products
-0.4	0.5	0.8	-0.1	-1.2	2.6	1.3	0.7	2.0	1.8	1.7	-1.6	Manufacture of snack products
0.8	0.6	1.1	-0.4	0.1	4.3	0.8	0.4	-2.5	-0.1	0.2	0.2	Manufacture of sugar
-2.7	-0.1	2.9	0.8	0.1	-0.5	1.3	0.8	-0.3	-0.2	0.3	-0.2	Manufacture of cocoa products
												Manufacture of chocolate and chocolate products
-0.5	0.8	-0.1	-0.3	1.7	5.2	0.7	0.9	0.8	-0.9	1.5	-0.6	Manufacture of sugar confectionery
0.8	0.4	-0.6	0.4	-0.8	5.9	1.4	0.9	5.4	-0.5	2.4	-0.2	Manufacture of sauces and condiments
-0.4	4.7	1.3	-1.6	2.1	8.8	3.3	2.1	-4.9	0.9	2.5	0.3	Manufacture of other food products n.e.c.
-0.7	-0.2	0.3	-0.6	-0.1	0.8	1.9	0.8	-0.2	0.03	0.7	-0.7	Other industry
-0.4	-3.1	0.04	0.4	-1.0	-3.8	-1.4	-0.9	1.0	-4.3	1.7	0.1	Manufacture of prepared animal feeds
0.3	0.4	0.2	-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	Manufacture of beverages
0.3	0.6	0.1	0.2	0.5	-3.1	0.4	0.3	-0.1	0.8	0.8	-0.2	Manufacture of soft drinks
1.3	0.0	0.3	-0.9	0.4	-2.2	0.2	1.0	-1.2	0.4	3.6	0.1	Production of natural mineral waters and other bottled waters
-1.6	0.4	0.3	0.2	0.5	1.0	0.8	0.6	-0.5	4.5	-0.1	1.1	Other industry
0.3	-12.0	-0.6	-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	Manufacture of tobacco products
1.3	-0.5	1.1	-1.1	-1.4	2.7	0.3	-0.4	-0.5	-0.8	-0.4	-0.2	Spinning, weaving and finishing of textiles
												Preparation and spinning of textile fibres
2.2	-0.2	0.3	-0.8	0.5	2.6	0.1	-0.5	-0.1	-1.0	-0.6	-0.2	Weaving of textiles
-0.8	-0.4	2.3	-1.6	-5.8	2.7	0.8	0.2	-0.4	-0.3	-0.1	-0.3	Dyeing, bleaching, printing and finishing of yarns and fabrics
3.1	-5.3	5.1	-3.1	-1.8	4.4	1.5	-1.8	-8.5	0.9	1.3	0.0	Other industry
0.6	1.2	1.3	-0.2	-0.4	0.4	0.03	-0.2	-0.2	-0.2	1.4	-2.9	Manufacture of other textiles
-2.4	1.3	0.1	-0.7	-0.9	0.6	-0.8	-0.2	-0.2	-0.8	1.1	-3.6	Manufacture of knitted and crocheted fabrics
2.5	1.1	2.0	0.1	-0.04	0.3	0.5	-0.2	-0.2	0.2	1.6	-2.4	Other industry
0.2	0.2	0.5	-0.4	-1.3	-1.6	0.9	-1.0	4.2	0.5	0.9	0.2	Manufacture of wearing apparel, except fur
0.4	-0.2	0.6	-0.7	-1.4	-1.9	1.0	-0.6	4.7	0.7	1.3	0.3	Manufacture of clothings
-0.2	1.3	0.0	0.3	-0.8	-0.7	0.5	-1.9	2.9	0.0	0.1	-0.03	Other industry
1.9	0.0	0.4	-0.6	-0.6	2.5	0.6	-6.4	5.8	-0.9	0.7	-0.2	Manufacture of articles of fur, knitted and crocheted apparel
0.2	-2.9	0.3	-2.2	-1.3	1.4	2.7	0.6	-0.7	-1.4	-0.6	-0.4	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-1.6	-0.3	1.1	0.5	-0.6	-1.7	1.4	1.8	-0.5	-0.4	1.6	1.2	Manufacture of footwear
												Manufacture of leather footwear
-2.1	-1.8	-0.7	0.1	-0.6	-0.03	0.4	1.7	0.3	-0.4	2.9	-0.6	Manufacture of rubber footwear
-1.0	1.5	3.3	0.9	-0.5	-3.4	2.5	1.9	-1.5	-0.4	0.1	3.4	Other industry
-1.9	-1.9	1.6	-2.0	-1.0	1.7	-0.7	0.6	0.5	-1.9	-1.0	-1.2	Sawmilling and planing 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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-3.1	2.0	0.8	1.9	-1.8	0.5	0.9	1.7	-0.1	1.0
16211	Pembuatan kepingan venier dan papan lapis	-3.4	1.8	1.8	1.5	-2.6	0.5	2.9	2.3	-1.0	1.0
16212	Pembuatan papan partikel dan papan gentian	1.8	-0.3	-2.6	-3.9	-1.2	3.4	8.4	-2.2	-2.3	1.8
16221	Pertukangan kayu untuk jurubina	-10.9	2.3	-1.7	7.8	-1.7	0.03	-9.3	-0.01	1.3	1.5
	Industri lain	2.2	3.5	1.8	1.4	0.2	-0.9	-0.3	3.2	2.3	-0.01
170	Pembuatan kertas dan produk kertas	1.4	-0.6	1.8	1.8	1.1	-2.8	1.7	1.2	0.3	1.0
17010	Pembuatan pulpa, kertas dan kertas tebal	-0.9	0.4	1.1	4.6	0.8	-9.2	1.3	5.3	0.1	1.5
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	1.5	-0.5	3.3	2.4	0.1	-2.2	0.3	0.4	-0.5	0.7
17091	Pembuatan sampul surat dan kad surat	0.9	1.5	2.1	-4.7	5.7	-1.1	0.5	-0.8	3.1	3.0
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-0.6	-2.1	1.8	-0.5	-0.9	-1.9	8.1	0.02	0.8	-0.8
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.4	-0.6	-1.9	2.2	4.8	-0.6	-4.2	0.2	0.4	4.2
	Industri lain	4.4	-0.9	1.8	0.6	3.4	-0.4	4.5	2.1	2.3	0.1
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.3	-2.6	-0.7	7.1	0.3	-1.9	-0.04	3.4	0.2	-0.5
18110	Percetakan	0.5	-2.2	-0.7	7.2	0.3	-1.2	0.03	3.2	0.2	-0.7
18120	Aktiviti perkhidmatan berkaitan percetakan										
&											
18200	Penerbitan semula media rakaman	-0.4	-4.4	-0.6	6.8	0.1	-5.1	-0.4	4.4	0.3	0.2
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	3.7	-2.6	2.3	0.9	3.8	-1.8	0.3	1.5	-0.2	1.2
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	2.3	-1.5	-0.1	1.1	4.0	-2.0	-2.9	1.3	1.6	1.1
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	1.5	1.2	-0.3	3.1	8.8	-2.5	0.6	2.2	3.0	0.2
20112	Pembuatan kimia organik asas										
&											
20113	Pembuatan sebatian bukan organik	1.9	-0.7	1.5	5.7	2.7	-2.3	-3.3	1.1	0.4	1.1
20121	Pembuatan baja										
&											
20129	Pembuatan produk campuran nitrogen	4.7	-8.5	-0.6	-11.9	9.2	-4.4	-9.5	-0.4	3.5	4.1
20131	Pembuatan plastik dalam bentuk primer	1.1	-0.6	-1.7	2.4	0.1	0.2	-0.4	2.1	1.4	-0.9
	Industri lain	4.3	7.9	-1.3	1.8	5.3	-0.1	-0.2	1.5	2.7	2.5
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.5	-3.0	-0.8	3.7	1.3	-4.0	-0.8	0.9	0.0	-0.4
20210	Pembuatan racun perosak dan produk agrokimia lain	-2.0	-1.4	-1.6	4.8	5.8	-2.6	6.5	3.8	2.1	1.8
20221	Pembuatan cat, varnis dan penyadur dan mastik	18.4	-17.4	-1.2	3.2	5.5	-3.2	-2.4	1.9	4.1	-4.5
20222	Pembuatan dakwat cetak	17.3	-2.0	0.2	-0.01	5.4	0.3	-1.7	0.7	1.4	-0.1
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap										
&											
20232	Pembuatan pewangi dan penyediaan dandanan diri	-0.6	0.9	1.3	4.1	-1.8	-8.2	1.0	1.4	-3.0	1.0
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials										
&											
20292	Pembuatan dakwat menulis dan melukis	0.3	1.6	-3.6	5.3	0.3	-0.8	-2.6	-1.0	0.7	-0.5
&											
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	3.3	-1.8	0.1	-12.8	12.0	-3.9	-31.9	-7.5	-1.7	9.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.2	12.9	3.0	-5.2	-1.6	3.8	4.9	-4.5	-1.9	0.4
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-2.0	11.1	3.0	-4.6	-2.8	4.8	4.4	-4.9	-3.3	0.3
	Industri lain	1.0	17.3	2.9	-6.7	1.5	1.4	6.2	-3.6	1.5	0.7
221	Pembuatan produk getah	2.0	1.4	-0.6	-2.9	-0.6	-5.4	2.9	-0.8	-1.5	0.3
22111	Pembuatan tayar getah untuk kenderaan	2.1	4.7	-13.2	1.3	1.8	4.6	-4.6	0.9	0.4	1.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	-5.6	-4.4	6.7	7.5	2.2	-2.6	6.5	5.6	0.3	2.7
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan										
&											
22193	Pengilangan semula getah dan prosesan susu getah	-0.6	1.6	2.7	2.1	5.7	2.2	-3.0	-0.4	2.2	3.0
2024	22192 Pembuatan sarung tangan getah	3.8	3.4	-1.6	-6.5	-3.9	-8.1	4.1	-1.0	-4.4	-0.7
	22199 Pembuatan produk getah lain yang t.t.t.l.	0.2	-3.0	2.3	0.2	1.5	-7.0	5.8	-1.4	1.7	0.2
222	Pembuatan produk plastik	1.2	0.7	1.0	0.3	0.4	0.9	1.3	0.7	0.3	0.3
22201	Pembuatan produk plastik separa siap										
&											
22202	Pembuatan produk plastik siap	6.3	4.8	-0.4	0.4	-1.0	3.4	-0.1	-0.7	-0.2	0.2
22203	Pembuatan artikel plastik untuk pembungkusan barangan	0.5	0.4	2.0	1.0	0.8	0.8	3.8	0.3	0.2	1.0
22204	Pembuatan barangan plastik jurubina	7.8	-1.3	1.0	1.7	1.2	-0.2	0.5	-1.1	1.3	0.3
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	15.7	3.2	0.8	-9.2	4.3	-1.0	-0.02	-2.5	2.1	1.4
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-5.2	-2.3	1.2	2.3	-0.2	-0.3	0.3	3.1	0.2	-0.7
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	0.4	6.0	2.7	1.9	0.4	0.5	-0.1	-1.7	0.3	0.3

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-2.6	-0.3	2.1	-1.4	0.1	0.0	0.8	0.9	1.3	-0.5	-0.8	0.1	Manufacture of products of wood, cork, straw and plaiting materials
-2.5	-1.0	3.3	-1.7	1.6	-1.0	2.2	0.9	1.9	-0.5	-1.8	0.2	Manufacture of veneer sheets and plywood
-0.7	-1.3	4.7	0.2	-0.1	13.8	-4.6	-0.3	-1.2	-0.6	-0.6	2.3	Manufacture of particle board and fibreboard
-4.4	1.2	-0.2	-1.0	-2.1	-5.8	-1.7	0.5	-0.02	-0.5	0.9	-0.5	Manufacture of builders' carpentry
-2.0	1.1	-0.4	-1.5	-2.4	0.5	1.6	1.8	1.7	-0.3	0.8	-0.9	Other industry
-0.2	-1.2	-1.4	-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8	Manufacture of paper and paper products
-0.8	0.2	-9.4	-0.04	-0.1	2.1	-0.7	1.4	-0.1	4.0	3.2	0.3	Manufacture of pulp, paper and paperboard
-0.1	-2.4	0.2	0.04	-1.3	-0.8	2.4	1.1	-0.1	-0.7	-0.8	0.4	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.5	-1.6	1.4	-0.9	0.4	-0.6	0.6	0.4	-0.2	-1.1	0.3	0.0	Manufacture of envelopes and letter-card
-0.9	-0.5	-0.02	-1.4	-1.6	6.3	3.3	1.4	-0.8	-0.6	0.2	0.2	Manufacture of household and personal hygiene paper
0.2	0.2	-0.7	-0.04	-0.5	-3.0	-0.7	1.2	-0.8	-0.2	0.4	4.3	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1.0	-0.9	0.4	0.04	0.2	1.6	2.6	2.1	-0.6	0.7	0.5	-0.1	Other industry
0.6	-1.0	1.1	-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	Printing, service activities related to printing and reproduction of recorded media
0.9	-0.4	1.4	-2.2	-0.2	0.4	-0.2	1.3	1.4	0.5	-4.2	-0.1	Printing
-0.5	-3.9	-0.4	-0.8	0.3	1.0	-1.7	4.2	-0.5	0.7	-2.0	0.3	Service activities related to printing
												Reproduction of recorded media
2.8	-1.3	-0.2	-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	Manufacture of refined petroleum products
1.3	-3.1	0.8	0.4	-3.8	1.3	-0.4	1.7	-0.04	-0.4	1.1	0.7	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
5.5	-5.7	4.1	-0.6	-0.3	0.2	0.7	2.0	0.3	-0.04	3.2	-0.2	Manufacture of liquefied or compressed inorganic industrial or medical gases
1.1	-3.5	0.3	1.0	-4.4	1.2	-0.1	2.0	-0.8	-0.1	-0.05	1.1	Manufacture of basic organic chemicals
												Manufacture of inorganic compounds
												Manufacture of fertilizers
1.3	-5.0	0.4	0.1	-7.6	0.5	-2.5	0.9	0.8	-2.1	2.3	-0.04	Manufacture of associated nitrogen products
-0.3	-0.2	-0.2	0.6	-1.8	2.1	-0.6	1.5	0.7	-0.1	0.8	1.0	Manufacture of plastics in primary forms
0.1	-1.0	1.5	-0.6	-4.4	3.2	1.2	2.4	-0.6	-0.2	2.2	0.4	Other industry
1.7	-2.1	-0.9	-1.0	0.9	-0.4	-1.3	1.0	0.6	-0.7	-0.2	0.3	Manufacture of other chemical products and man-made fibres
1.7	-1.1	0.4	-1.9	0.1	3.9	2.3	4.3	-0.1	-0.4	1.5	-0.6	Manufacture of pesticides and other agrochemical products
6.1	-3.2	0.2	-0.3	-0.5	-0.4	-1.6	1.2	0.3	0.3	2.8	0.2	Manufacture of paints, varnishes and similar coatings ink and mastics
4.0	0.1	0.1	0.1	0.7	-1.0	-1.3	0.5	0.3	-0.1	0.7	-0.2	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
0.3	-3.6	-3.1	-1.7	2.4	0.4	-1.7	1.0	0.4	-0.1	-2.8	1.4	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
0.2	-0.7	0.4	-0.6	0.3	-1.6	-1.4	0.2	1.2	-2.4	0.5	-0.6	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
3.8	-0.8	-0.3	-2.8	-0.8	-24.9	-8.7	-7.5	0.3	-0.3	0.0	2.5	Other industry
-0.1	5.4	-1.2	-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	Manufacture of pharmaceuticals, medicinal chemical and botanical products
0.2	8.7	-2.7	-0.8	1.2	3.1	0.1	0.4	-5.1	-0.2	-3.4	-0.1	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-0.6	-2.1	2.8	0.7	3.6	1.1	1.4	0.5	-3.2	-0.8	-0.02	0.3	Other industry
0.6	-0.8	-1.6	-3.1	0.2	2.3	0.4	-0.2	-0.4	-0.2	-1.0	-0.2	Manufacture of rubber products
0.4	7.3	-0.2	-2.3	6.2	-10.2	0.1	-0.3	1.6	-0.4	0.6	-0.7	Manufacture of rubber tyres for vehicles
-0.7	-0.4	-0.9	-1.3	0.9	2.6	2.8	1.9	7.8	-3.8	0.3	0.4	Manufacture of interchangeable tyre treads and retreading rubber tyres
0.4	2.1	0.3	-0.2	3.8	-4.9	-1.7	-0.6	-0.3	0.6	1.6	0.6	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
												Rubber remilling and latex processing
1.2	-2.6	-2.1	-3.6	-1.7	5.3	0.6	-0.4	-0.7	0.04	-3.0	0.1	Manufacture of rubber gloves
-0.4	-0.8	-2.0	-4.3	-0.1	4.7	1.1	0.4	-1.0	-0.8	0.5	-1.2	Manufacture of other rubber products n.e.c.
-0.2	1.1	0.2	-0.4	2.2	-1.0	0.2	0.0	0.8	-0.1	0.3	-0.4	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
-1.0	4.2	0.4	-1.2	-0.3	0.1	0.1	-0.2	-0.5	-0.03	-0.2	0.3	Manufacture of finished plastic products
-0.4	0.8	0.05	-0.1	2.3	0.0	1.4	0.2	-0.1	0.2	0.5	-0.3	Manufacture of plastic articles for the packing of goods
-0.4	-0.5	0.6	-0.3	-0.4	-0.3	1.2	0.6	-1.4	-0.3	1.7	-0.8	Manufacture of builders' plastics ware
0.8	-1.1	0.6	-0.4	-3.7	6.2	-2.3	-2.0	-0.4	-0.1	2.7	-0.1	Manufacture of plastic tableware, kitchenware and toilet articles
0.3	-0.2	0.04	-0.1	5.7	-4.7	-0.4	0.5	3.1	-0.5	-0.1	-1.1	Manufacture of diverse plastic products n.e.c.
-0.2	0.03	1.1	-0.6	-4.3	4.0	0.4	-1.2	-0.3	-0.2	0.3	0.7	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.6	-0.1	0.4	-0.3	-2.0	2.0	2.5	0.03	0.5	-2.3
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-7.0	-1.2	-1.7	3.5	-6.9	0.1	-0.5	-0.9	-5.0	-1.6
23930	Pembuatan produk porselin dan seramik lain	-0.6	1.1	3.2	-0.7	-15.6	2.0	0.3	-1.4	0.2	-15.4
23941	Pembuatan simen hidrolik	-0.1	3.2	-11.0	3.8	-2.1	-0.5	-0.5	4.1	1.5	0.03
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-3.7	3.3	4.0	0.8	-6.1	0.8	6.6	0.6	1.0	-5.7
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.	1.0	-2.4	1.4	-0.9	2.6	3.0	0.3	-1.9	1.5	-0.5
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4.7	-2.4	0.6	-1.9	-1.5	3.2	6.9	3.4	-1.2	0.7
	Industri lain	3.0	2.7	1.9	-6.4	3.8	3.5	6.0	0.8	4.1	-0.1
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-2.2	1.1	0.1	1.4	-0.9	1.0	3.4	1.8	0.9	-3.2
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	3.6	-3.1	1.3	0.02	1.5	-3.0	-3.3	-1.1	0.5	2.4
243	Pengacuan logam	5.9	-6.8	0.4	-1.9	6.3	-4.4	2.1	-2.1	3.5	3.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.4	-2.4	0.3	2.6	0.7	-2.3	1.2	1.8	-0.4	0.4
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	0.9	-3.9	-0.9	3.9	0.1	-2.8	4.9	2.5	-0.8	0.4
25120	Pembuatan produk struktur logam lain	-0.8	0.6	5.9	-1.1	0.8	-2.1	-6.5	-0.7	-0.2	0.7
	Industri lain	-0.5	0.7	-1.2	1.5	3.3	0.04	-5.1	1.2	1.4	-0.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	-2.2	1.1	1.1	2.1	-2.1	4.2	1.2	1.1	1.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	0.5	0.4	3.3	-2.6	-2.1	-4.4	7.5	-0.9	0.8	-2.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	8.4	-7.6	2.3	3.2	7.4	-5.8	-10.8	0.1	1.0	3.3
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-0.5	-1.1	-0.3	0.1	1.9	-3.2	9.0	-1.3	3.5	0.0
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	-0.8	-1.3	0.7	1.8	0.7	0.01	4.1	3.3	1.2	1.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	3.8	-3.8	-5.0	4.7	6.5	-0.6	0.9	6.9	1.8	-0.1
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	3.4	-2.7	0.2	4.6	1.5	-1.1	4.8	2.5	0.5	2.1
	Industri lain	3.1	-2.0	0.8	-2.2	7.4	1.2	11.7	0.3	0.9	3.8
261	Pembuatan komponen dan papan elektronik	1.5	2.2	2.1	1.4	0.7	2.8	-0.1	-1.4	-0.8	1.2
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.4	2.8	2.2	0.2	-0.1	1.9	0.3	-1.1	-1.6	1.2
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro										
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik	1.7	1.2	2.7	3.3	1.9	3.7	-0.7	-1.8	0.2	1.4
26104 & 26105	Pembuatan papan litar bercetak										
26105	Pembuatan komponen paparan	0.8	2.6	-2.4	0.2	-0.1	5.3	-0.5	-1.5	-0.01	-0.04
26109	Pembuatan komponen lain untuk aplikasi elektronik										
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	1.1	1.7	1.0	1.9	-4.1	0.2	-0.3	1.1	-4.6	0.2
263/ 26300	Pembuatan peralatan komunikasi	0.0	4.1	3.5	0.1	-1.1	2.2	-1.7	1.0	-0.6	-0.6
264/ 26400	Pembuatan peralatan elektronik pengguna	0.1	4.4	1.0	-1.7	-2.8	0.6	9.8	-3.8	-2.0	-0.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1.0	0.9	3.5	2.5	1.3	-0.01	-1.8	0.4	0.05	1.3
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	0.2	0.9	4.2	3.3	1.2	1.6	-3.0	0.4	0.3	1.3
26520	Pembuatan kelengkapan kawalan proses perindustrian	4.0	0.7	1.3	-0.1	1.5	-5.6	2.9	0.3	-1.0	1.0
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya										
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-0.8	0.9	1.6	-0.1	-0.5	0.5	-1.9	-1.2	0.2	-1.0

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.2	0.5	0.7	0.7	1.5	0.1	0.9	-0.3	0.8	-0.4	-2.4	-1.7	Manufacture of non-metallic mineral products
												Manufacture of refractory mortars and concretes
-0.4	-0.4	-0.5	1.0	-2.3	2.7	-0.8	-1.4	0.6	-0.1	-5.5	-1.9	Manufacture of non-refractory ceramic
-0.4	-1.0	3.4	-0.4	1.5	2.2	-3.3	-1.1	1.0	-1.3	-1.7	-1.7	Manufacture of other porcelain and ceramic products
-3.5	-0.3	0.2	-0.4	3.7	-5.2	1.2	-0.2	4.3	-0.1	0.9	-0.3	Manufacture of hydraulic cement
-1.4	-0.1	1.2	-0.3	3.1	0.2	3.2	-0.8	2.4	-1.0	0.2	-6.0	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
1.7	1.1	0.6	1.2	0.3	-0.3	0.3	-0.5	-0.8	-0.6	-6.3	-0.4	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.
-1.0	1.0	1.7	0.5	5.7	-1.7	3.0	2.6	0.8	0.0	1.1	-0.2	Manufacture of other non-metallic mineral products n.e.c.
-0.1	1.3	-0.2	2.2	1.3	4.3	0.4	-0.5	0.9	0.4	2.7	-0.03	Other industry
1.5	0.01	0.8	0.2	-0.3	1.5	2.2	1.1	0.4	0.3	0.9	-1.3	Manufacture of basic iron and steel
-1.3	-0.5	-0.2	-2.2	0.3	-3.1	-0.6	0.3	-1.5	0.1	1.2	-0.7	Manufacture of basic precious and other non-ferrous metals
-0.6	-2.5	-1.4	-0.6	-0.1	2.2	0.1	1.0	-2.8	-0.3	2.6	2.0	Casting of metals
0.7	-1.5	1.1	-1.8	-0.1	1.5	-0.1	-0.6	0.0	2.3	0.2	-0.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
												Manufacture of metal doors, windows and their frames, shutters and gates
0.6	-1.5	1.1	-2.4	0.6	5.5	-1.3	-0.7	-0.6	3.8	-0.4	-0.4	Manufacture of other structural metal products
0.3	-2.7	1.3	-0.6	-0.8	-9.5	4.2	-1.1	1.8	-1.4	1.8	0.2	Manufacture of tanks, reservoirs and containers of metal
2.0	-0.1	0.9	-0.7	-2.7	-2.9	0.4	0.9	0.4	-0.05	1.2	-1.2	Other industry
0.05	-1.4	0.2	-1.0	0.9	1.9	1.3	0.2	-0.3	1.3	1.1	-0.1	Manufacture of other fabricated metal products; metal working service activities
												Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-0.4	-2.8	0.04	-1.7	3.1	3.4	0.8	0.04	-0.9	-0.1	-0.1	-2.9	Treatment and coating of metals; machining
2.9	-4.5	-0.5	-1.0	-0.9	-9.4	-0.6	1.0	-0.8	-0.2	1.8	0.1	Manufacture of tins and cans for food products, collapsible tubes and boxes
-1.6	-4.3	0.2	0.9	1.1	8.5	-0.7	0.5	-1.6	-0.1	4.9	-1.8	Manufacture of metal cable, plaited bands and similar articles
												Manufacture of bolts, screws, nuts and similar threaded products
-1.5	0.5	0.3	-0.8	1.7	-0.2	2.5	-0.2	-0.5	4.0	2.3	0.1	Manufacture of metal household articles
4.7	1.3	-0.6	-1.3	-0.04	-0.8	1.7	1.5	5.4	-0.1	-0.4	0.1	Manufacture of any other fabricated metal products n.e.c.
-1.0	0.0	0.3	-1.4	-0.5	3.9	1.4	0.3	-0.6	2.7	0.4	0.3	Other industry
2.5	0.4	1.0	-0.1	0.5	7.6	3.3	-0.5	1.2	-0.4	0.2	4.4	
0.3	1.9	0.7	0.2	-2.4	1.3	1.0	-0.3	-0.6	-0.4	-1.4	-1.7	Manufacture of electronic components and boards
												Manufacture of diodes, transistors and similar semiconductor devices
0.3	3.9	-1.4	-0.5	-1.8	2.0	0.2	-0.2	-0.4	-0.5	-1.5	-1.4	Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
0.3	-0.4	3.0	1.1	-3.5	0.8	2.1	-0.5	-0.9	-0.3	-1.6	-2.3	Manufacture of printed circuit boards
												Manufacture of display components
-0.1	-0.3	4.8	0.8	-0.7	-0.5	0.7	-0.6	-0.7	-0.2	0.4	0.1	Manufacture of other components for electronic applications
0.3	-0.5	1.0	-0.2	-0.6	-1.8	2.1	-0.2	1.5	-0.2	-0.4	0.3	Manufacture of computers and peripheral equipment
0.1	0.9	0.9	0.4	-6.4	4.1	0.9	1.4	-0.2	-0.2	-0.8	-0.5	Manufacture of communication equipment
-0.1	-1.7	1.9	0.4	-1.1	6.0	4.9	-1.8	-1.4	-0.6	-1.8	-0.3	Manufacture of consumer electronics
-0.02	-0.2	0.8	-0.6	-1.6	-2.5	2.4	-0.2	0.5	0.1	0.4	0.4	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
-0.4	0.1	1.6	-0.1	-2.0	-2.9	1.9	-0.2	0.5	0.2	0.5	0.4	Manufacture of industrial process control equipment
1.4	-1.2	-2.2	-2.3	-0.2	-1.0	4.2	-0.2	0.6	-0.1	0.1	0.2	Manufacture of watches and clocks and parts
0.4	-0.4	0.8	0.1	-8.6	3.9	3.3	-0.7	-0.4	-0.1	-3.4	-0.3	Manufacture of irradiation, electromedical and electrotherapeutic equipment

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-4.3	5.2	1.1	-3.0	2.8	-2.1	6.5	-5.1	3.5	-1.0
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-0.1	-2.0	4.8	0.2	0.3	-2.7	3.2	-2.2	0.5	-0.5
27101	Pembuatan motor elektrik, penjana dan transformer	0.5	-2.7	1.3	-1.3	1.7	-3.8	4.9	-1.9	2.3	-0.6
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-0.6	-1.4	7.5	1.3	-0.8	-2.0	2.0	-2.4	-0.9	-0.4
272/ 27200	Pembuatan bateri dan akumulator	5.9	-2.0	6.4	-1.8	-0.7	-0.4	4.1	-3.0	0.02	-0.7
273	Pembuatan pendawaian dan peranti pendawaian	-1.1	1.7	-0.2	-0.8	0.9	-3.1	2.0	-2.0	-0.5	2.0
27310	Pembuatan kabel gentian optikal	5.6	3.1	6.2	-9.7	2.5	2.8	-1.4	0.7	1.0	0.5
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-1.6	1.9	-0.5	1.5	0.3	-3.7	1.8	-2.2	-1.1	2.2
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.4	-1.3	-0.04	-24.4	10.3	2.6	5.9	-0.3	7.9	0.0
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.3	4.0	6.7	-9.6	-0.9	-1.9	9.9	0.7	-1.5	-2.2
275/ 27500	Pembuatan perkakasan domestik	3.1	-1.5	-3.8	-0.8	5.1	0.9	-4.5	-1.7	0.4	0.2
279/ 27900	Pembuatan kelengkapan elektrik lain	1.9	1.1	-1.6	1.7	0.7	-1.9	0.8	-1.0	1.1	-0.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.7	2.9	-0.7	0.7	0.8	1.4	-3.0	-1.6	0.7	1.1
28120 & 28130	Pembuatan alat-alat kuasa bendalir	1.7	-2.5	-1.2	1.0	4.9	0.8	-8.3	-13.2	4.7	0.9
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.7	0.6	-2.1	-1.2	3.6	2.1	-2.7	0.1	0.5	1.7
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.7	-1.5	4.0	4.5	2.1	-3.9	-8.7	-2.4	2.7	1.3
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	3.4	-0.4	-5.9	0.2	2.3	2.4	-13.3	-0.2	1.0	1.4
		-1.5	6.7	0.2	0.9	-1.6	2.2	1.0	-0.7	-0.3	0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	0.8	0.6	2.6	0.4	-3.2	0.8	4.2	-0.4	-0.3	-2.3
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	2.6	3.5	2.5	3.6	3.2	0.5	13.2	1.2	0.3	4.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.6	0.7	-0.5	0.3	1.4	-0.3	-2.8	0.1	0.4	0.6
301 (30110 & 30120)	Pembinaan kapal dan bot	3.2	0.1	3.2	1.8	1.9	1.3	4.7	1.3	3.0	0.2
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.	4.6	-1.2	1.1	-1.8	1.9	-2.3	-1.3	0.2	1.5	-0.05
30910	Pembuatan motosikal	4.9	-3.2	2.1	-0.3	6.2	-4.4	7.9	0.4	2.8	1.0
30920	Pembuatan basikal dan invalid carriages	6.4	3.7	0.4	-2.9	-6.5	-5.9	-42.6	-9.7	-3.3	-2.1
	Industri lain	4.0	-0.8	0.5	-2.7	0.4	0.5	-0.2	1.2	1.6	-0.4
310	Pembuatan perabot	2.8	1.1	-1.0	-2.2	2.6	1.6	1.0	0.7	2.2	0.04
31001	Pembuatan perabot kayu dan rotan	3.3	1.6	-1.3	-2.8	2.4	2.0	1.7	0.0	1.9	-0.2
	Industri lain	1.0	-0.5	-0.03	0.1	3.6	0.2	-1.2	3.0	3.3	0.7
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-1.2	-1.1	1.8	3.7	9.5	-4.7	-3.8	1.2	7.3	2.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.2	0.9	1.4	-0.01	-0.2	-0.4	4.9	-0.8	-0.3	-0.2
32901	Pembuatan alat tulis	-3.1	0.2	2.2	-1.4	-2.1	-1.5	5.0	-2.7	0.4	-2.2
	Industri lain	2.6	1.1	1.2	0.4	0.4	-0.04	4.9	-0.2	-0.5	0.4
323/ 32300	Pembuatan barangan sukan	-2.0	-0.3	1.3	3.2	-5.1	-0.1	-16.8	-1.9	-2.8	-3.8
324/ 32400	Pembuatan permainan dan mainan	1.8	2.1	7.9	-3.5	-3.8	-1.0	0.5	-0.5	-2.3	-0.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	3.4	0.4	-2.7	1.1	3.0	0.02	0.1	0.5	2.7	0.04
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1.1	1.1	-1.7	4.0	5.7	0.8	-0.2	-0.9	7.7	-0.2
	Industri lain	3.8	0.2	-2.9	0.5	2.5	-0.1	0.1	0.8	1.7	0.1
Jumlah Pembuatan		1.2	0.5	0.8	0.8	0.7	-0.2	1.2	0.1	0.3	0.3

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
0.4	-1.5	0.4	-1.1	-0.9	6.3	1.2	-0.8	-4.0	-0.4	-4.0	0.7	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.3	-2.2	-0.7	0.2	1.5	1.7	-0.1	-0.6	-0.9	-0.7	0.05	-1.7	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
0.1	-2.9	-0.2	-0.6	1.2	2.8	0.8	-0.6	-1.0	-0.3	-0.1	-0.1	Manufacture of electric motors, generators and transformers
0.4	-1.7	-1.1	0.9	1.8	0.9	-0.7	-0.6	-0.8	-1.0	0.1	-2.8	Manufacture of electricity distribution and control apparatus
-0.1	-1.0	0.6	0.02	-0.6	1.6	3.1	0.7	-3.8	0.2	0.1	1.3	Manufacture of batteries and accumulators
-0.5	0.6	-3.6	-0.1	-0.8	2.0	0.8	-0.4	-0.5	-1.1	1.9	-0.2	Manufacture of wiring and wiring devices
0.9	1.2	1.4	0.1	-1.6	-0.5	0.8	2.7	0.4	-2.3	0.1	-0.5	Manufacture of fibre optic cables
-0.8	0.4	-4.0	-0.1	-0.5	1.8	0.6	-0.6	-0.6	-1.1	2.1	-0.2	Manufacture of other electronic and electric wires and cables
2.2	2.9	-0.3	0.0	-4.1	6.4	3.8	0.3	-0.9	0.3	0.8	-0.4	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
2.9	-2.6	-0.8	1.5	3.7	4.7	1.3	0.5	-0.7	0.9	1.1	-2.6	Manufacture of electric lighting equipment
4.5	-1.5	3.4	-0.9	-1.8	1.6	-4.3	-0.4	-0.5	-0.8	0.6	-1.1	Manufacture of domestic appliances
-0.1	-1.2	-0.5	-0.2	1.0	2.1	-2.2	-0.6	-0.8	0.4	0.3	-1.0	Manufacture of other electrical equipment
-1.0	0.3	-0.6	1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	Manufacture of general-purpose and special-purpose machinery
-0.7	-0.5	-0.2	1.6	-1.1	-6.6	-0.8	0.9	-0.6	-13.5	-5.5	-0.1	Manufacture of fluid power equipment
1.3	0.2	-0.6	2.6	-1.8	-1.3	0.3	-0.1	0.3	-0.05	1.9	3.0	Manufacture of other pumps, compressors, taps and valves
-1.9	-0.7	-2.6	-0.6	-9.5	-0.4	1.4	-0.9	-0.9	-0.6	2.2	0.1	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-0.2	1.3	0.5	0.5	0.5	-11.4	-2.7	0.0	-0.3	0.1	0.3	0.5	Manufacture of metal-forming machinery and machine tools
-2.1	0.5	-0.4	2.1	-2.3	4.3	-0.9	-0.3	0.5	-0.9	0.9	1.0	Manufacture of air-conditioning machines, including for motor vehicles
-0.6	-0.2	1.4	-0.4	2.4	1.4	0.3	0.5	-0.1	-0.9	0.1	-0.3	Manufacture of other special-purpose machinery
-1.4	0.2	0.1	0.2	1.5	11.1	0.4	0.6	-0.5	1.1	-1.9	-0.9	Other industry
0.4	-0.2	0.3	-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	-1.0	Manufacture of motor vehicles
-1.3	-1.2	1.6	0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	-0.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
0.4	-0.2	0.3	-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	-1.0	Manufacture of parts and accessories for motor vehicles
-1.3	-1.2	1.6	0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	-0.1	Building of ships and boats
0.4	-1.2	-0.4	-0.7	1.1	-2.3	0.02	0.4	-0.4	0.2	1.0	-0.4	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
2.3	-2.8	-2.6	0.9	6.6	-2.0	3.3	1.4	-0.4	-0.6	-0.4	-0.4	Manufacture of motorcycles
-1.2	-0.4	-2.5	-3.1	-13.6	-25.2	-11.2	-6.6	-3.1	-0.3	-2.3	-2.0	Manufacture of bicycles and invalid carriages
-0.8	-0.1	1.9	-1.4	-0.4	1.6	-1.3	0.3	-0.2	1.1	2.5	-0.3	Other industry
0.4	1.4	0.3	-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	Manufacture of furniture
0.6	2.0	0.2	-0.2	-0.3	1.8	0.1	1.1	-1.0	-0.1	0.0	0.4	Manufacture of wooden and cane furniture
-0.4	-0.4	0.6	0.1	-0.7	-2.8	2.3	2.3	0.1	0.6	3.4	0.6	Other industry
-0.1	-1.5	0.5	-3.7	-4.3	-1.5	2.0	0.4	0.9	-0.1	0.5	-2.6	Manufacture of jewellery, bijouterie and related articles
0.3	-1.1	0.7	0.1	4.7	0.1	0.1	0.2	-0.1	-0.9	-0.5	0.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.3	-0.1	0.3	-1.7	1.1	3.3	0.5	-0.2	-2.3	-0.3	-1.9	0.6	Manufacture of stationery
0.5	-1.4	0.8	0.6	5.7	-0.8	0.0	0.4	0.4	-1.0	-0.1	1.0	Other industry
1.5	-0.4	0.2	0.1	-0.1	-15.9	-1.1	-1.2	2.3	-2.9	2.3	0.3	Manufacture of sports goods
-1.5	-0.6	0.4	-0.9	-9.0	10.0	0.4	1.4	-1.4	-0.5	-1.3	0.7	Manufacture of games and toys
0.2	0.2	0.8	-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-1.7	2.1	-2.0	0.7	-0.9	1.7	-1.0	-1.9	0.9	0.1	3.0	0.5	Repair and maintenance of transport equipment except motorcycles and bicycles
0.6	-0.1	1.3	-1.3	1.7	-0.5	-1.1	1.0	-0.8	0.6	1.1	-0.7	Other industry
0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
101	Pemprosesan dan pengawetan daging	361	426	88	87	87	99	103	106	106	111	70	69	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	449	476	111	110	111	116	118	117	120	120	79	79	
	10201 Pengetinan ikan, krustasea dan moluska													
	&													
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	358	385	89	88	88	94	96	96	97	96	64	62	
	Industri lain	91	91	22	22	24	22	22	22	23	24	15	17	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	190	224	46	47	48	48	55	59	56	55	36	37	
	10303 Pengetinan nanas													
	&													
	10304 Pembuatan jem, marmalad dan sajian jeli	11	15	2	3	3	3	4	4	4	4	2	2	
	Industri lain	179	208	44	45	45	45	51	55	52	51	34	35	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,958	3,192	721	727	736	774	782	784	793	832	525	557	
	10404 Pembuatan minyak sayuran mentah dan bertapis													
	&													
	10406 Pembuatan sebatian lemak masakan	218	218	52	55	56	55	55	56	53	54	37	36	
	10405 Pembuatan minyak kelapa	93	115	24	25	23	22	26	27	31	30	18	20	
	Industri lain	2,646	2,859	645	648	657	697	701	701	710	748	470	501	
105	Pembuatan produk tenusu	875	922	221	227	217	211	225	232	225	240	150	166	
	10502 Pembuatan susu pekat, tepung dan sejat	775	814	195	200	193	187	199	206	197	212	133	148	
	Industri lain	100	107	26	27	23	24	25	26	27	28	17	18	
106	Pembuatan produk bijian, kanji dan produk berkanji	370	384	93	92	92	91	96	98	96	94	64	61	
	10611 Pengilangan beras	179	186	45	44	45	44	48	47	46	44	32	30	
	10613 Pengilangan tepung	166	173	42	42	42	41	41	45	43	44	28	27	
	Industri lain	25	25	6	6	6	6	7	6	6	6	4	4	
107	Pembuatan produk makanan lain	4,170	4,498	1,011	1,028	1,043	1,088	1,094	1,082	1,132	1,189	733	775	
	10711 Pembuatan biskut dan cookies	375	429	89	93	95	97	101	103	111	114	68	72	
	10712 Pembuatan roti, kek dan produk bakeri lain	932	995	219	229	238	247	239	243	253	259	161	169	
	10713 Pembuatan produk snek	232	250	55	58	59	60	62	59	62	67	41	46	
	10721 Pembuatan gula	81	71	22	21	20	18	17	17	18	19	12	13	
	10731 Pembuatan produk koko	93	97	24	23	22	23	23	24	25	25	15	16	
	10732 Pembuatan coklat dan produk coklat													
	&													
	10733 Pembuatan konfeksi gula	401	405	99	99	99	104	101	92	100	112	68	70	
	10793 Pembuatan sos dan bahan perasa	369	429	92	91	90	96	100	102	107	119	63	83	
	10799 Pembuatan produk makanan lain t.t.t.l.	481	564	114	116	120	132	135	134	143	152	92	94	
	Industri lain	1,206	1,258	297	299	299	311	316	307	312	323	213	213	
108/ 10800	Pembuatan makanan haiwan tersedia	1,061	1,141	262	260	261	278	281	277	282	301	188	191	
110	Pembuatan minuman ringan	532	573	132	128	128	143	141	139	139	154	95	101	
	11041 Pembuatan minuman ringan	373	408	90	89	90	104	101	100	98	109	68	70	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	127	128	34	31	30	31	32	31	32	34	21	23	
	Industri lain	32	36	8	8	8	8	9	8	9	11	6	8	
120/ 12000	Pembuatan produk tembakau	63	66	17	14	14	18	18	16	15	18	12	11	
131	Pemintalan, penenunan dan penyiapan tekstil	353	345	87	86	88	92	84	85	88	89	56	57	
	13110 Penyediaan dan pemintalan gentian tekstil													
	&													
	13120 Penenunan tekstil	238	238	59	58	59	62	56	58	62	62	37	40	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	107	98	26	27	27	27	25	24	24	25	17	16	
	Industri lain	9	9	2	2	2	2	2	2	2	2	1	1	
139	Pembuatan tekstil lain	319	361	79	78	80	83	88	91	90	92	59	60	
	13910 Pembuatan fabrik dikait dan dikrusye	97	100	25	23	23	25	24	26	25	26	16	16	
	Industri lain	222	261	54	55	57	57	65	65	65	66	43	45	
141	Pembuatan pakaian, kecuali pakaian berbulu	887	939	225	212	213	238	238	230	225	246	161	165	
	14102 Pembuatan pakaian	598	636	151	141	143	164	162	154	151	169	110	117	
	Industri lain	289	303	74	71	70	74	76	76	74	77	51	48	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	25	25	6	7	6	6	6	6	6	6	4	4	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	123	129	31	30	30	32	32	32	32	33	21	21	
152	Pembuatan kasut	201	214	51	50	48	51	54	53	52	55	36	38	
	15201 Pembuatan kasut kulit													
	&													
	15203 Pembuatan kasut getah	145	149	37	36	35	37	39	37	36	37	26	25	
	Industri lain	56	65	15	14	13	14	15	15	16	18	10	13	
161/ 16100	Pengilangan dan pengetaman kayu	520	526	137	129	127	128	134	127	131	134	90	90	

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		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan	2,064	2,184	514	504	516	530	544	535	546	559	364	374	
16211	Pembuatan kepingan venier dan papan lapis	1,008	1,042	248	239	255	265	255	251	265	271	170	179	
16212	Pembuatan papan partikel dan papan gentian	299	323	76	76	74	74	82	77	80	84	55	58	
16221	Pertukangan kayu untuk jurubina	428	478	107	106	106	109	122	122	119	115	82	76	
	Industri lain	329	341	83	83	80	83	85	84	82	90	56	61	
170	Pembuatan kertas dan produk kertas	2,100	2,148	524	516	520	541	548	523	527	550	366	371	
17010	Pembuatan pulpa, kertas dan kertas tebal	304	241	74	76	77	77	67	55	57	62	45	42	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	836	916	200	205	211	220	226	225	231	235	151	158	
17091	Pembuatan sampul surat dan kad surat	54	53	13	13	13	14	13	13	13	14	9	9	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	374	396	98	93	90	94	108	97	92	100	72	73	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	270	248	73	65	64	68	63	62	61	61	43	38	
	Industri lain	263	293	65	64	64	69	70	71	73	78	47	50	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,242	2,382	567	559	542	575	594	600	584	605	397	414	
18110	Percetakan	1,892	2,015	474	475	458	486	498	509	493	514	332	348	
18120	Aktiviti perkhidmatan berkaitan percetakan													
&														
18200	Penerbitan semula media rakaman	350	368	93	84	84	88	96	91	91	91	64	66	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,363	2,502	629	532	577	625	677	570	592	664	428	432	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,205	3,220	799	787	807	812	863	801	772	784	562	510	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	296	359	73	73	76	74	90	82	92	96	57	56	
20112 &	Pembuatan kimia organik asas													
20113	Pembuatan sebatian bukan organik	1,670	1,628	413	403	427	426	451	408	381	388	296	229	
20121 &	Pembuatan baja													
20129	Pembuatan produk campuran nitrogen	310	287	82	76	75	77	76	74	70	66	50	44	
20131	Pembuatan plastik dalam bentuk primer	811	840	203	206	199	204	216	210	206	209	138	163	
	Industri lain	118	107	28	29	30	30	31	26	25	25	21	18	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,626	2,710	686	635	638	667	688	657	676	689	459	480	
20210	Pembuatan racun perosak dan produk agrokimia lain	258	303	67	66	61	64	71	81	73	77	44	53	
20221	Pembuatan cat, varnis dan penyadur dan mastik	361	419	98	85	85	93	106	101	106	107	72	81	
20222	Pembuatan dakwat cetak	236	211	63	58	57	58	54	53	53	51	36	31	
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat													
20232	Pembuatan pewangi dan penyediaan dandanan diri	844	896	230	198	202	215	236	219	223	218	157	149	
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials													
20292 &	Pembuatan dakwat menulis dan melukis													
20299	Pembuatan produk kimia lain t.t.t.l.	891	848	219	219	224	229	210	194	213	230	143	162	
	Industri lain	37	32	9	9	9	9	9	9	8	6	6	4	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	789	804	180	196	202	211	188	197	204	215	126	128	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	629	624	143	156	160	171	149	154	155	166	100	99	
	Industri lain	159	180	37	40	43	40	39	43	49	49	26	29	
221	Pembuatan produk getah	4,094	4,036	938	1,063	1,089	1,003	943	1,003	1,076	1,014	624	643	
22111	Pembuatan tayar getah untuk kenderaan	382	480	81	97	104	99	115	120	126	119	79	73	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	103	131	23	26	27	27	29	32	35	35	18	23	
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan													
22193	Pengilangan semula getah dan prosesan susu getah	737	769	172	185	196	184	182	192	197	198	118	126	
2024	22192 Pembuatan sarung tangan getah	2,160	1,974	484	576	584	516	444	491	543	496	296	315	
	22199 Pembuatan produk getah lain yang t.t.t.l.	712	683	179	178	178	177	173	168	176	165	113	107	
222	Pembuatan produk plastik	7,892	8,102	1,847	2,013	2,013	2,019	1,996	2,059	2,006	2,041	1,325	1,341	
22201 &	Pembuatan produk plastik separa siap													
22202	Pembuatan produk plastik siap	2,724	2,748	624	691	688	720	712	702	662	672	490	441	
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,847	2,207	402	471	472	502	550	600	545	512	345	344	
22204	Pembuatan barangan plastik jurubina	101	119	25	26	25	26	29	32	29	29	19	20	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	598	584	148	151	153	146	145	148	147	144	96	97	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2,622	2,444	649	674	674	624	560	576	623	684	375	439	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	890	921	210	215	224	241	230	228	231	232	156	151	

(RM Juta/Million)

2023											2024				Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.		
181	182	180	179	180	176	180	183	183	185	186	189	189	185	Manufacture of products of wood, cork, straw and plaiting	
84	86	85	83	85	83	88	89	89	89	91	90	91	88		Manufacture of veneer sheets and plywood
28	27	27	27	26	24	26	27	27	27	28	29	29	29		Manufacture of particle board and fibreboard
41	41	40	41	40	41	40	40	39	40	38	38	38	38		Manufacture of builders' carpentry
28	28	29	28	28	28	27	27	28	29	29	32	31	30		Other industry
180	186	182	175	174	174	173	175	179	182	180	188	184	186	Manufacture of paper and paper products	
21	24	22	20	18	18	18	19	19	21	20	21	21	22		Manufacture of pulp, paper and paperboard
76	75	75	74	76	75	76	76	78	79	78	78	80	78		Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
4	4	4	4	4	4	4	4	4	5	5	5	5	4		Manufacture of envelopes and letter-card
33	38	37	32	32	32	29	31	32	32	31	36	35	38		Manufacture of household and personal hygiene paper
21	21	21	21	21	21	21	20	20	21	21	20	19	19	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper	
24	23	23	24	24	24	24	24	25	25	25	28	25	25	Other industry	
204	193	197	197	203	200	196	197	191	193	199	213	204	210	Printing, service activities related to printing and reproduction of recorded media	
170	162	166	168	172	170	165	166	162	163	169	182	170	178		Printing
															Service activities related to printing
33	31	31	29	31	31	30	31	29	30	30	31	34	33		Reproduction of recorded media
216	212	249	188	187	195	190	194	208	217	207	240	216	216	Manufacture of refined petroleum products	
282	279	302	280	255	266	265	256	252	255	256	272	260	250	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms	
26	31	33	27	27	27	30	30	31	32	32	32	28	28		Manufacture of liquefied or compressed inorganic industrial or medical gases
															Manufacture of basic organic chemicals
150	146	155	146	125	136	133	126	122	125	126	137	116	113		Manufacture of inorganic compounds
															Manufacture of fertilizers
26	24	26	25	25	25	24	23	23	22	22	22	23	21	Manufacture of associated nitrogen products	
69	69	78	72	69	69	70	68	68	68	68	73	84	79	Manufacture of plastics in primary forms	
11	10	10	10	8	8	8	8	8	9	8	9	10	9	Other industry	
227	232	229	222	217	218	225	227	224	225	221	243	233	248	Manufacture of other chemical products and man-made fibres	
22	22	27	27	27	27	26	23	24	26	25	26	26	27		Manufacture of pesticides and other agrochemical products
34	38	33	34	33	34	34	37	36	35	34	37	37	44		Manufacture of paints, varnishes and similar coatings ink and mastics
18	18	18	18	18	17	18	18	17	17	17	17	15	16		Manufacture of printing ink
															Manufacture of soap and detergents, cleaning and polishing preparations
74	83	79	75	72	72	75	76	72	70	69	79	70	79	Manufacture of perfumes and toilet preparations	
														Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials	
75	68	68	66	64	64	69	71	73	75	74	81	82	81	Manufacture of writing and drawing ink	
														Manufacture of other chemical products n.e.c.	
3	3	3	3	3	3	3	2	2	2	2	2	2	2	Other industry	
65	61	62	68	64	65	67	69	68	70	67	78	66	62	Manufacture of pharmaceuticals, medicinal chemical and botanical products	
52	48	49	54	50	50	51	53	52	53	51	62	51	47		Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
13	13	13	14	15	14	16	16	16	17	16	16	15	15		Other industry
309	315	319	321	331	350	356	367	354	344	341	329	325	318		Manufacture of rubber products
40	39	36	40	40	39	42	43	41	40	40	40	40	33		Manufacture of rubber tyres for vehicles
9	9	11	10	11	11	11	12	12	12	12	12	12	11	Manufacture of interchangeable tyre treads and retreading rubber tyres	
59	59	64	65	64	63	65	65	66	66	65	67	66	60	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened	
														Rubber remilling and latex processing	
143	153	148	149	161	181	178	189	176	169	169	158	155	160	Manufacture of rubber gloves	
57	56	60	57	55	57	60	59	58	57	55	53	53	54	Manufacture of other rubber products n.e.c.	
672	652	671	696	693	670	666	670	671	672	678	691	678	663	Manufacture of plastics products	
															Manufacture of semi-manufactures of plastic products
244	246	222	239	238	225	214	225	224	222	225	224	220	221		Manufacture of finished plastic products
179	166	205	202	204	194	199	175	172	168	168	175	178	166		Manufacture of plastic articles for the packing of goods
9	9	10	10	11	11	11	9	9	9	9	10	10	10		Manufacture of builders' plastics ware
48	48	49	49	49	49	48	50	49	50	46	48	48	49	Manufacture of plastic tableware, kitchenware and toilet articles	
192	183	185	195	191	190	195	211	217	223	228	233	222	217	Manufacture of diverse plastic products n.e.c.	
81	75	74	75	77	76	76	76	79	77	75	80	77	75	Manufacture of glass and glass products	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh		2022		2022				2023				2023	2024
			2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.		3,717	3,799	913	931	927	946	914	932	952	1,001	609	648
	23911	Pembuatan mortar refraktori dan konkrit												
	&													
	23921	Pembuatan seramik bukan refraktori	311	320	74	78	79	81	75	80	81	84	49	57
	23930	Pembuatan produk porselin dan seramik lain	170	146	44	43	42	41	37	35	37	37	26	22
	23941	Pembuatan simen hidrolik	278	293	69	70	68	71	73	75	73	73	49	47
	23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	738	709	181	185	187	185	175	173	177	185	117	125
	23952	Pembuatan konkrit pratuangan, simen atau artikel batu												
	&	buatan yang digunakan dalam pembinaan;												
	23953	Pembuatan komponen struktur pasang siap untuk bangunan	1,279	1,344	316	319	320	324	319	330	341	355	212	225
	&	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.	539	592	133	132	131	142	141	141	146	164	94	106
	Industri lain		402	394	96	104	100	103	95	99	97	104	62	66
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas		2,368	2,396	621	592	558	597	631	596	569	600	423	423
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain		1,396	1,467	365	336	336	358	394	363	347	364	265	275
243	Pengacuan logam		416	398	107	101	102	106	103	99	96	100	70	71
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru		1,643	1,722	414	403	403	423	431	427	428	435	287	310
	25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan												
	&	pintu pagar daripada logam												
	25119	Pembuatan produk struktur logam lain	841	890	214	205	203	218	226	224	222	218	150	148
	25120	Pembuatan tangki, takungan dan kontena daripada logam	609	631	152	149	153	155	154	153	157	167	103	126
	Industri lain		193	201	48	48	47	50	51	50	50	51	34	35
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam		3,982	4,211	1,021	976	970	1,016	1,063	1,018	1,029	1,101	712	763
	25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	754	744	194	188	183	189	185	178	184	197	125	128
	25920	Rawatan dan penyalutan logam; menggunakan mesin	509	485	132	130	121	126	128	124	115	118	87	86
	25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	476	555	112	109	119	136	134	128	138	156	90	105
	25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan												
	&	artikel seumpamanya daripada logam	1,020	1,124	264	243	250	263	277	273	277	297	184	215
	25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya												
	25994	Pembuatan barangan rumah daripada logam	65	65	16	17	17	16	16	16	17	17	11	12
	25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	973	1,028	247	244	240	243	272	249	247	259	183	181
	Industri lain		185	210	56	45	41	43	50	50	52	57	33	35
261	Pembuatan komponen dan papan elektronik		12,261	12,315	3,183	3,024	2,923	3,130	3,230	3,122	2,887	3,076	2,158	2,013
	26101	Pembuatan diod, transistor dan alatan semikonduktor yang												
	&	seumpamanya												
	26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	7,883	7,930	2,026	1,972	1,891	1,993	2,051	1,995	1,908	1,976	1,355	1,301
	26103	Pembuatan kapasitor dan perintang elektrik												
	&													
	26104	Pembuatan papan litar bercetak	3,901	3,912	1,033	930	918	1,020	1,056	1,004	870	983	721	628
	&													
	26105	Pembuatan komponen paparan												
	26109	Pembuatan komponen lain untuk aplikasi elektronik	477	473	124	122	114	117	123	123	109	117	82	84
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti		3,001	3,095	741	739	733	788	748	746	768	834	511	535
263/ 26300	Pembuatan peralatan komunikasi		789	783	194	196	187	211	211	198	178	197	141	132
264/ 26400	Pembuatan peralatan elektronik pengguna		1,341	1,338	329	327	343	342	329	311	339	360	217	220
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam		2,450	2,973	521	583	634	712	629	755	785	804	408	512
	26511	Pembuatan kelengkapan mengukur, menguji, memandu arah												
	&	dan kawalan												
	26512	Pembuatan kelengkapan kawalan proses perindustrian	2,275	2,786	477	542	591	666	582	711	736	756	376	479
	26520	Pembuatan jam tangan dan jam dan bahagiannya	175	187	44	41	44	46	47	44	49	47	32	32
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik		736	728	179	186	184	187	192	194	169	173	128	130

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
312	298	305	304	314	314	313	314	325	326	333	342	330	318	Manufacture of non-metallic mineral products n.e.c.
25	24	26	26	27	28	27	27	27	27	27	30	29	29	Manufacture of refractory mortars and concretes
15	11	11	11	12	12	12	12	12	12	12	13	11	11	Manufacture of non-refractory ceramic
26	24	24	24	26	25	25	24	24	23	24	26	26	21	Manufacture of other porcelain and ceramic products
59	58	58	57	58	58	58	58	61	60	61	63	63	62	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
109	103	107	107	112	111	114	112	115	116	123	117	115	109	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.
46	47	47	44	49	48	46	49	51	53	53	58	53	54	Manufacture of other non-metallic mineral products n.e.c.
32	31	32	34	32	32	32	32	33	34	34	36	33	33	Other industry
215	207	208	202	201	194	188	189	192	191	192	217	220	202	Manufacture of basic iron and steel
313	135	128	121	122	119	117	114	116	118	118	129	135	140	Manufacture of basic precious and other non-ferrous metals
36	33	34	33	33	33	31	32	33	33	33	35	36	35	Casting of metals
144	143	144	141	144	142	143	143	142	141	142	153	158	152	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
75	75	77	74	76	74	75	74	73	72	72	74	78	70	Manufacture of metal doors, windows and their frames, shutters and gates
52	51	51	51	52	51	52	52	53	52	53	62	63	63	Manufacture of other structural metal products
17	17	17	17	17	16	16	17	17	17	17	17	17	18	Manufacture of tanks, reservoirs and containers of metal
354	358	351	337	344	337	336	342	352	357	358	386	382	381	Other industry
63	62	60	60	61	58	60	62	63	63	63	71	65	63	Manufacture of other fabricated metal products; metal working service activities
43	44	42	41	41	41	41	37	37	37	36	45	43	44	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
46	45	44	42	43	43	43	46	49	50	53	53	53	53	Treatment and coating of metals; machining
90	94	93	88	93	92	91	91	94	97	97	104	106	109	Manufacture of tins and cans for food products, collapsible tubes and boxes
5	5	5	5	5	5	6	6	6	6	6	6	6	6	Manufacture of metal cable, plaited bands and similar articles
93	91	89	83	84	82	79	83	85	87	85	88	91	90	Manufacture of bolts, screws, nuts and similar threaded products
15	18	18	18	16	16	16	17	18	19	19	20	19	16	Manufacture of metal household articles
1,055	1,103	1,073	1,046	1,046	1,029	942	957	988	985	980	1,112	1,005	1,008	Manufacture of any other fabricated metal products n.e.c.
668	688	695	678	656	661	626	638	644	640	625	712	646	655	Other industry
														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
346	374	336	327	350	328	277	285	307	306	318	358	316	312	Manufacture of printed circuit boards
41	41	42	41	41	41	39	34	37	38	37	42	43	41	Manufacture of display components
252	259	237	248	262	236	251	250	267	263	263	309	268	267	Manufacture of other components for electronic applications
72	69	70	67	64	67	56	62	60	59	72	66	65	67	Manufacture of computers and peripheral equipment
113	104	112	101	104	106	105	112	121	121	120	118	119	101	Manufacture of communication equipment
200	208	222	231	253	271	261	260	264	262	262	280	246	266	Manufacture of consumer electronics
184	193	206	217	238	257	244	244	248	246	246	264	230	250	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
16	15	15	15	15	14	17	16	16	16	16	15	16	16	Manufacture of measuring, testing, navigating and control equipment
63	66	64	67	64	63	58	56	56	56	54	63	64	66	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 Pembuatan Mengikut Kumpulan
Table : **1.6a** : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022		2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	500	499	121	130	125	124	124	122	123	131	80	89	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,246	1,241	328	289	313	317	322	300	309	309	216	213	
27101	Pembuatan motor elektrik, penjana dan transformer	474	489	113	118	123	120	116	118	126	130	79	87	
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	772	751	215	171	190	196	207	181	183	180	136	127	
272/ 27200	Pembuatan bateri dan akumulator	481	550	117	114	121	129	135	132	141	143	90	94	
273	Pembuatan pendawaian dan peranti pendawaian	1,133	1,069	273	273	292	295	278	269	274	248	189	157	
27310	Pembuatan kabel gantian optikal	84	92	18	18	22	24	21	23	24	24	14	14	
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1,011	946	244	245	260	261	250	238	241	216	170	137	
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	39	31	11	10	10	9	8	8	8	8	5	6	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	248	249	62	55	64	66	61	54	66	68	43	47	
275/ 27500	Pembuatan perkakasan domestik	436	395	124	118	105	89	94	98	106	97	62	63	
279/ 27900	Pembuatan kelengkapan elektrik lain	395	444	89	91	99	115	116	104	107	117	79	79	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,424	4,451	1,123	1,070	1,083	1,149	1,148	1,080	1,084	1,139	777	766	
28120 & 28130	Pembuatan alat-alat kuasa bendalir	348	361	84	83	87	94	85	89	91	96	56	40	
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	919	899	229	220	229	242	221	220	224	234	146	149	
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	743	637	180	172	189	202	185	151	147	154	124	121	
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	525	513	149	129	117	130	142	134	118	119	98	85	
		1,889	2,042	482	466	461	480	515	486	505	536	353	371	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,152	1,110	286	290	281	295	270	274	279	287	185	180	
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	344	401	77	87	89	92	97	92	102	110	66	72	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,030	2,115	509	512	492	517	511	547	518	538	337	348	
301 (30110 & 30120)	Pembinaan kapal dan bot	281	312	74	70	67	69	77	75	76	83	48	58	
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	215	219	214	213	220	218	209	212	146	143	
30910	Pembuatan motosikal	534	534	134	139	134	128	133	135	132	135	88	89	
30920	Pembuatan basikal dan invalid carriages	121	106	30	29	30	32	31	30	24	22	21	14	
	Industri lain	206	219	51	51	50	54	56	54	53	55	37	39	
310	Pembuatan perabot	2,556	2,687	658	629	622	647	683	655	660	689	459	466	
31001	Pembuatan perabot kayu dan rotan	2,025	2,192	517	493	497	519	553	537	540	562	372	382	
	Industri lain	530	494	141	136	126	128	130	118	120	126	87	84	
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	261	257	68	63	62	69	67	60	61	68	45	44	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	732	738	185	180	184	183	179	180	185	194	121	128	
32901	Pembuatan alat tulis	153	148	39	39	38	37	37	36	39	37	25	25	
	Industri lain	579	590	146	141	145	146	142	144	146	157	96	103	
323/ 32300	Pembuatan barangan sukan	71	68	18	17	17	19	19	18	16	16	13	10	
324/ 32400	Pembuatan permainan dan mainan	236	263	54	54	63	65	63	66	66	67	41	35	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,319	1,407	334	331	312	342	359	355	338	355	239	241	
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	275	312	69	68	63	76	80	76	69	87	54	57	
	Industri lain	1,043	1,095	265	263	249	267	279	279	269	268	185	184	
Jumlah Pembuatan		94,528	97,789	23,513	23,318	23,364	24,332	24,517	24,165	24,068	25,039	16,347	16,593	

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
41	40	44	41	39	42	40	41	42	42	43	45	44	45	Manufacture of optical instruments, photographic equipment, magnetic and optical media
111	104	107	97	101	102	104	103	102	100	97	112	109	104	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
42	37	36	38	40	41	40	42	43	44	43	43	46	41	Manufacture of electric motors, generators and transformers
69	67	70	59	62	61	64	61	59	56	55	69	63	64	Manufacture of electricity distribution and control apparatus
43	46	45	42	47	43	46	47	48	48	48	47	44	50	Manufacture of batteries and accumulators
95	94	89	84	90	95	91	92	90	87	82	79	80	78	Manufacture of wiring and wiring devices
7	7	7	7	8	8	8	8	8	8	7	8	7	7	Manufacture of fibre optic cables
85	85	80	75	79	85	80	82	79	76	72	68	70	67	Manufacture of other electronic and electric wires and cables
3	3	3	2	3	3	3	3	3	3	3	2	3	3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
22	21	18	17	18	19	21	23	22	22	21	26	24	23	Manufacture of electric lighting equipment
30	32	31	25	36	36	36	36	34	33	32	33	32	32	Manufacture of domestic appliances
40	39	37	33	34	37	35	35	37	38	36	42	42	37	Manufacture of other electrical equipment
393	384	371	363	360	357	354	363	367	370	368	400	386	380	Manufacture of general-purpose and special-purpose machinery
														Manufacture of fluid power equipment
28	28	28	29	30	30	30	31	30	31	29	37	20	20	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
75	72	75	72	74	74	73	75	76	75	77	82	74	75	Manufacture of metal-forming machinery and machine tools
60	63	61	51	50	50	49	48	49	49	50	55	58	63	Manufacture of air-conditioning machines, including for motor vehicles
49	49	44	45	45	45	44	36	37	39	38	42	44	41	Manufacture of other special-purpose machinery n.e.c.
181	172	162	166	162	158	158	173	175	177	174	185	190	181	Other industry
92	93	85	90	92	92	91	94	93	93	92	103	90	90	Manufacture of motor vehicles
33	33	30	30	31	31	31	35	36	36	36	38	36	36	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
166	171	174	181	184	183	175	171	172	173	174	191	172	176	Manufacture of parts and accessories for motor vehicles
24	24	29	24	26	25	25	25	26	26	28	29	29	28	Building of ships and boats
72	74	74	74	74	71	71	68	70	72	69	71	71	73	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
43	45	45	46	46	43	43	43	46	47	43	45	45	45	Manufacture of motorcycles
10	10	11	10	10	10	9	7	7	7	8	8	7	7	Manufacture of bicycles and invalid carriages
19	18	19	18	19	18	19	17	17	18	18	19	19	21	Other industry
233	225	224	217	223	215	216	218	226	226	226	237	237	229	Manufacture of furniture
190	182	181	174	185	178	177	178	185	184	184	194	194	188	Manufacture of wooden and cane furniture
44	43	43	43	38	37	39	40	41	42	42	42	43	42	Other industry
23	22	22	22	20	18	20	20	21	21	23	24	22	23	Manufacture of jewellery, bijouterie and related articles
61	60	58	58	62	60	60	62	63	63	63	68	64	64	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
12	13	12	12	12	12	12	13	13	12	12	12	12	12	Manufacture of stationery
49	47	46	46	50	48	48	48	50	51	51	56	51	52	Other industry
6	6	6	6	6	6	6	5	5	5	5	5	5	5	Manufacture of sports goods
21	21	22	20	22	23	21	22	23	22	20	25	18	18	Manufacture of games and toys
119	120	120	122	119	115	113	113	113	113	118	124	120	121	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
26	28	26	26	25	25	23	23	23	24	29	34	27	30	Repair and maintenance of transport equipment except motorcycles and bicycles
93	92	93	96	94	90	90	90	89	89	89	90	93	91	Other industry
8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001	8,135	8,146	8,149	8,744	8,350	8,243	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		2022				2023				2023	2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)
101	Pemprosesan dan pengawetan daging	1.8	17.9	-0.4	-2.2	1.0	8.3	17.2	22.0	21.7	11.6	16.7	-0.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.7	6.0	-5.1	-4.3	-1.1	3.8	6.0	6.6	7.8	3.6	5.4	0.5
	10201 Pengetinan ikan, krustasea dan moluska												
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.0	7.4	-6.6	-6.4	-2.8	4.3	8.3	8.7	10.7	2.2	7.2	-2.6
	Industri lain	3.6	0.3	1.6	5.0	6.0	1.7	-3.0	-1.7	-3.1	9.2	-2.2	14.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.8	17.9	3.1	5.3	11.8	15.6	18.5	23.8	16.8	12.6	17.5	2.8
	10303 Pengetinan nanas												
	& 10304 Pembuatan jem, marmalad dan sajian jeli	-25.2	39.3	-46.9	-41.9	-6.6	24.4	56.6	54.8	29.4	20.9	49.9	-1.2
	Industri lain	12.0	16.6	8.9	10.7	13.3	15.1	16.4	22.0	15.9	12.0	15.6	3.1
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.6	7.9	5.8	5.2	7.4	8.0	8.5	7.8	7.8	7.5	9.2	6.1
	10404 Pembuatan minyak sayuran mentah dan bertapis												
	& 10406 Pembuatan sebatian lemak masakan	6.9	-0.1	3.2	7.2	10.0	7.0	5.5	1.9	-6.1	-1.2	5.9	-2.3
	10405 Pembuatan minyak kelapa	-2.9	22.9	-15.3	-6.2	9.5	5.4	11.5	11.2	34.0	36.3	12.2	12.5
	Industri lain	7.0	8.1	7.0	5.6	7.1	8.2	8.7	8.2	8.1	7.3	9.3	6.6
105	Pembuatan produk tenusu	8.9	5.3	11.4	11.0	8.5	4.5	1.8	2.3	3.6	13.9	1.9	10.6
	10502 Pembuatan susu pekat, tepung dan sejat	10.0	5.1	12.5	12.3	10.2	5.1	2.3	2.8	1.9	13.6	2.4	11.2
	Industri lain	0.8	7.4	3.9	2.3	-3.4	0.0	-1.6	-1.7	18.4	16.3	-1.5	5.8
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	3.9	0.7	1.9	1.6	-0.2	2.7	6.1	3.4	3.3	2.4	-4.2
	10611 Pengilangan beras	1.3	3.9	2.6	3.2	0.7	-1.2	6.0	5.5	4.2	0.03	4.2	-5.3
	10613 Pengilangan tepung	0.7	4.4	-1.2	1.6	2.9	-0.3	-0.7	7.1	3.2	8.0	0.2	-2.0
	Industri lain	0.6	-0.1	0.04	-4.6	-0.5	7.7	1.7	3.2	-0.8	-4.3	4.0	-9.8
107	Pembuatan produk makanan lain	9.8	7.9	8.5	9.5	10.5	10.5	8.2	5.3	8.5	9.3	10.1	5.8
	10711 Pembuatan biskut dan cookies	17.0	14.3	17.1	23.3	18.0	10.8	12.6	10.9	16.8	16.8	13.8	6.6
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.1	6.7	-3.9	-1.8	1.3	3.7	9.1	6.5	6.5	5.1	11.0	5.0
	10713 Pembuatan produk snek	13.5	7.9	9.8	10.6	16.6	16.9	12.3	3.0	6.0	10.3	12.3	12.5
	10721 Pembuatan gula	7.3	-11.9	16.0	14.0	7.5	-7.4	-22.0	-17.3	-10.9	5.6	-16.8	6.4
	10731 Pembuatan produk koko	13.2	4.9	27.8	9.3	10.3	7.1	-4.8	3.9	12.2	8.9	-3.3	2.0
	10732 Pembuatan coklat dan produk coklat												
	& 10733 Pembuatan konfeksi gula	15.6	1.0	14.7	13.4	16.5	17.7	2.4	-7.1	1.1	7.4	7.3	3.1
	10793 Pembuatan sos dan bahan perasa	1.6	16.3	5.2	7.2	-0.4	-4.5	9.1	12.3	18.8	24.8	4.5	31.1
	10799 Pembuatan produk makanan lain t.t.t.l.	26.4	17.2	23.7	21.3	28.6	31.4	18.9	15.8	19.0	15.2	22.2	2.9
	Industri lain	10.3	4.3	8.3	10.2	10.7	12.0	6.4	2.7	4.3	3.8	8.8	-0.1
108/ 10800	Pembuatan makanan haiwan tersedia	1.5	7.6	1.8	1.6	0.5	2.2	7.2	6.4	8.1	8.4	7.5	1.5
110	Pembuatan minuman ringan	4.8	7.7	1.0	5.5	6.8	5.8	6.9	8.3	8.5	7.2	5.9	6.5
	11041 Pembuatan minuman ringan	9.0	9.4	4.9	10.1	10.6	10.6	11.9	12.6	8.8	5.1	10.8	4.0
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-0.8	1.4	0.8	-1.2	0.2	-3.0	-5.5	-2.1	5.2	8.4	-6.7	8.6
	Industri lain	-15.2	12.9	-26.8	-12.5	-6.1	-11.5	3.3	1.8	18.0	28.2	3.5	28.2
120/ 12000	Pembuatan produk tembakau	2.6	4.8	0.8	1.8	3.9	3.9	4.5	8.5	5.2	1.7	4.0	-3.4
131	Pemintalan, penenunan dan penyiapan tekstil	7.8	-2.5	6.6	7.1	11.9	5.7	-4.4	-2.1	-0.3	-3.0	-4.3	1.8
	13110 Penyediaan dan pemintalan gentian tekstil												
	& 13120 Penenunan tekstil	7.2	0.3	5.5	4.0	11.6	8.0	-4.9	1.5	4.7	0.1	-4.9	6.0
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	9.5	-8.9	10.0	14.4	13.4	1.3	-3.6	-9.8	-12.0	-10.1	-2.9	-7.1
	Industri lain	1.5	1.4	-0.3	5.8	2.7	-2.0	-1.0	-3.8	10.8	0.03	-3.1	-0.7
139	Pembuatan tekstil lain	-2.9	13.1	-3.2	-3.8	-2.8	-1.7	12.3	16.9	12.8	10.8	10.7	2.7
	13910 Pembuatan fabrik dikait dan dikrusye	-12.6	3.3	-4.0	-14.0	-16.9	-14.7	-5.4	10.6	6.3	2.3	-7.5	-1.4
	Industri lain	2.0	17.5	-2.8	1.3	4.5	5.3	20.5	19.6	15.5	14.5	19.4	4.3
141	Pembuatan pakaian, kecuali pakaian berbulu	5.9	5.8	3.8	5.8	7.4	6.8	6.0	8.5	5.6	3.4	5.9	2.5
	14102 Pembuatan pakaian	3.2	6.3	2.4	3.4	1.4	5.3	7.7	9.2	5.2	3.4	7.9	6.3
	Industri lain	12.1	4.8	6.9	10.7	22.2	10.4	2.7	7.0	6.4	3.4	1.9	-5.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.9	-1.6	-3.8	2.7	10.3	-0.3	-5.5	-7.2	1.5	5.5	-6.1	4.8
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1.5	5.2	-0.5	-0.9	5.6	2.0	4.3	8.4	5.1	3.1	3.5	-0.8
152	Pembuatan kasut	7.6	6.5	5.9	9.6	11.8	3.6	6.0	6.1	6.9	7.1	6.0	3.6
	15201 Pembuatan kasut kulit												
	& 15203 Pembuatan kasut getah	9.1	2.8	6.9	12.0	14.8	3.8	5.8	4.6	2.0	-1.1	5.5	-5.5
	Industri lain	3.7	16.2	3.5	4.0	4.7	2.8	6.6	9.9	19.9	29.0	7.1	26.7
161/ 16100	Pengilangan dan pengetaman kayu	-5.0	1.1	-1.5	-0.5	-7.0	-10.4	-2.2	-1.6	3.7	4.7	-3.0	0.4

2023														2024														Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.															
16.1	17.3	18.5	20.9	21.0	24.0	20.0	20.7	24.3	24.2	13.6	-0.4	-1.8	0.2	Processing and preserving of meat														
3.6	7.2	7.3	4.6	7.4	7.9	7.6	7.5	8.3	3.9	2.6	4.3	0.9	0.1	Processing and preserving of fish, crustaceans and molluscs														
															Canning of fish, crustaceans and molluscs													
5.7	8.8	10.4	6.5	10.5	9.1	11.2	10.6	10.4	4.3	0.7	1.8	-2.3	-2.9	Processing, curing and preserving of fish, crustacean and molluscs														
-5.0	0.9	-4.7	-2.9	-4.5	2.6	-5.9	-3.6	0.3	2.2	10.6	15.5	15.0	13.3	Other industry														
15.3	19.7	20.6	25.0	23.2	23.4	20.0	14.7	15.6	14.5	13.0	10.2	6.4	-0.6	Processing and preserving of fruits and vegetable														
															Pineapple canning													
48.8	50.8	70.3	69.3	55.1	42.3	32.9	28.7	26.6	22.1	22.6	18.2	7.2	-8.7	Manufacture of jams, marmalades and table jellies														
13.5	17.8	17.8	22.6	21.3	22.2	19.1	13.8	14.9	14.0	12.4	9.7	6.4	-0.02	Other industry														
9.8	8.5	7.3	9.2	8.4	6.0	6.8	7.7	9.1	9.1	7.9	5.7	5.3	7.0	Manufacture of vegetable and animal oils and fats														
															Manufacture of crude and refined vegetable oil													
6.8	5.1	4.7	4.7	1.4	-0.2	-11.2	-5.5	-1.4	0.8	-2.6	-1.9	-2.4	-2.2	Manufacture of compound cooking fats														
14.0	10.5	10.2	11.6	11.3	10.7	32.9	32.9	36.2	39.0	36.8	33.1	12.0	12.9	Manufacture of coconut oil														
10.0	8.7	7.4	9.5	8.9	6.3	7.4	7.9	9.0	8.8	7.8	5.5	5.6	7.5	Other industry														
-0.3	4.1	1.6	0.6	-1.1	7.8	-0.8	3.5	8.3	9.3	8.4	24.0	22.9	-1.0	Manufacture of dairy products														
-0.2	4.9	2.1	1.7	-1.4	8.6	-2.6	1.8	6.4	8.3	6.7	25.9	25.9	-2.4	Manufacture of condensed, powdered and evaporated milk														
-0.7	-2.2	-1.8	-7.7	1.0	1.8	14.0	17.5	24.0	17.1	21.6	10.3	1.4	10.7	Other industry														
0.5	4.4	3.2	4.3	4.4	9.5	3.9	0.6	5.8	4.6	1.7	3.4	2.7	-11.0	Manufacture of grain mill products, starches and starch products														
-0.5	9.2	9.5	5.6	6.6	4.4	6.9	2.1	3.5	2.7	-0.8	-1.9	-1.4	-8.9	Rice milling														
0.1	0.3	-2.5	3.5	2.6	15.4	1.2	-0.9	9.8	8.2	5.8	9.9	9.8	-14.2	Flour milling														
10.5	-2.6	-3.2	1.2	1.5	7.1	0.5	-0.01	-2.8	-4.5	-6.2	-2.4	-12.8	-6.3	Other industry														
10.8	9.3	4.7	5.7	6.3	3.9	7.4	8.7	9.5	10.0	8.5	9.4	6.0	5.7	Manufacture of other food products														
12.6	15.1	10.2	11.1	12.6	9.1	18.5	15.6	16.4	16.9	16.0	17.5	7.5	5.6	Manufacture of biscuits and cookies														
12.6	9.4	5.4	8.0	6.7	4.8	10.2	8.7	1.1	4.1	4.6	6.5	2.4	7.6	Manufacture of bread, cakes and other bakery products														
6.2	19.1	12.4	7.3	2.9	-0.8	3.2	6.2	8.7	10.9	9.4	10.6	13.9	11.1	Manufacture of snack products														
-15.6	-17.9	-31.4	-19.9	-15.6	-16.6	-13.5	-10.7	-8.4	-9.1	-1.1	34.2	3.5	9.2	Manufacture of sugar														
-8.9	2.8	-7.6	-2.6	9.3	6.5	15.2	11.3	10.2	8.7	7.5	10.5	12.7	-8.3	Manufacture of cocoa products														
															Manufacture of chocolate and chocolate products													
8.4	6.3	-6.4	-5.8	-6.2	-9.2	-5.2	-0.1	8.7	10.4	11.0	1.8	5.4	0.8	Manufacture of sugar confectionery														
5.3	3.6	18.0	17.2	10.6	9.2	11.2	19.3	25.8	24.6	24.4	25.3	27.1	35.3	Manufacture of sauces and condiments														
29.2	15.3	12.4	11.6	19.4	16.3	17.2	19.4	20.4	17.3	11.1	17.3	6.2	-0.7	Manufacture of other food products n.e.c.														
8.9	8.7	1.7	2.5	3.9	1.7	2.5	3.6	6.7	6.4	3.2	1.9	0.3	-0.6	Other industry														
3.3	11.7	6.6	5.0	8.2	6.1	8.3	6.7	9.3	10.9	14.2	1.7	10.6	-6.8	Manufacture of prepared animal feeds														
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	Manufacture of beverages														
13.5	8.2	14.1	12.1	12.3	13.3	13.6	7.0	6.1	6.5	6.9	2.4	4.1	3.8	Manufacture of soft drinks														
-5.8	-7.6	-3.0	-2.2	-2.3	-1.9	-1.8	7.6	9.8	10.6	7.9	6.9	8.5	8.6	Production of natural mineral waters and other bottled waters														
3.3	3.6	2.9	0.5	6.2	-1.0	3.7	18.8	31.2	29.0	29.5	26.4	28.9	27.5	Other industry														
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	Manufacture of tobacco products														
-1.2	-7.4	-4.6	-2.5	-1.5	-2.4	-0.6	1.2	-1.4	-3.0	-2.6	-3.3	1.8	1.8	Spinning, weaving and finishing of textiles														
															Preparation and spinning of textile fibres													
0.7	-10.6	-4.8	-0.1	2.7	1.8	6.6	6.9	0.7	-0.9	-0.1	1.1	5.5	6.4	Weaving of textiles														
-4.6	-1.2	-4.9	-7.0	-10.1	-12.0	-17.0	-11.8	-7.1	-8.7	-8.5	-13.0	-6.6	-7.5	Dyeing, bleaching, printing and finishing of yarns and fabrics														
-10.0	4.0	3.2	-10.4	-7.8	7.5	12.3	12.4	7.9	4.6	-2.2	-2.3	-0.9	-0.5	Other industry														
9.9	11.5	15.6	17.1	16.8	16.7	12.8	12.8	12.9	12.8	9.5	10.1	3.4	2.0	Manufacture of other textiles														
-7.3	-7.7	-0.9	10.6	9.6	11.6	5.1	6.8	7.2	6.4	0.5	0.1	1.6	-4.5	Manufacture of knitted and crocheted fabrics														
18.0	20.9	22.8	19.9	20.0	18.9	16.0	15.3	15.2	15.6	13.5	14.5	4.1	4.5	Other industry														
6.1	5.7	6.3	8.0	7.1	10.5	6.0	4.9	5.9	5.7	4.0	1.0	2.2	2.8	Manufacture of wearing apparel, except fur														
8.2	7.6	7.3	10.2	7.6	9.9	6.3	4.6	4.7	4.6	4.9	1.2	5.3	7.3	Manufacture of clothings														
1.8	2.0	4.2	3.8	6.1	11.6	5.3	5.6	8.4	8.0	2.1	0.4	-4.7	-6.6	Other industry														
-8.4	-3.3	-4.3	-3.2	-8.8	-9.4	-7.3	6.1	6.8	6.5	8.1	2.1	0.4	9.7	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													
3.0	4.1	6.0	8.4	8.2	8.6	11.8	1.8	2.2	4.3	0.7	4.3	-0.7	-0.8	Manufacture of footwear														
															Manufacture of leather footwear													
5.0	7.0	6.1	3.5	6.4	8.4	8.4	5.9	6.5	7.2	8.9	5.2	4.0	3.2	Manufacture of footwear														
															Manufacture of leather footwear													
4.4	6.7	6.3	3.3	4.3	6.3	4.9	0.6	0.6	1.1	0.9	-5.2	-5.7	-5.3	Manufacture of rubber footwear														
															Manufacture of rubber footwear													
6.5	7.8	5.6	4.0	12.1	14.0	17.4	19.8	22.3	23.1	29.4	34.4	28.9	24.6	Other industry														
-3.5	-2.5	-0.5	-1.5	-1.0	-2.3	4.6	3.5	2.8	5.3	5.6	3.1	0.4	0.5	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				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	7.9	5.8	10.2	10.7	7.4	3.7	5.9	6.1	5.9	5.4	5.6	3.0	
16211	Pembuatan kepingan venier dan papan lapis	7.9	3.4	12.1	11.8	7.3	1.8	3.0	5.0	3.9	2.1	2.5	5.2	
16212	Pembuatan papan partikel dan papan gentian	19.0	8.0	28.5	25.0	19.1	5.9	8.2	2.0	8.3	13.8	9.5	5.3	
16221	Pertukangan kayu untuk jurubina	5.3	11.6	3.5	4.0	4.8	8.7	14.3	14.8	12.2	5.4	14.3	-7.3	
	Industri lain	2.5	3.6	0.8	5.6	1.8	1.8	1.9	1.5	2.1	8.8	0.4	9.1	
170	Pembuatan kertas dan produk kertas	4.1	2.3	3.7	2.9	5.1	4.6	4.7	1.4	1.3	1.6	4.6	1.3	
17010	Pembuatan pulpa, kertas dan kertas tebal	12.1	-20.6	16.4	17.1	14.2	2.1	-9.5	-26.6	-26.4	-19.8	-9.4	-6.4	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	3.9	9.5	-0.1	-0.1	7.7	8.2	12.9	9.7	9.0	6.7	12.2	4.5	
17091	Pembuatan sampul surat dan kad surat	-8.9	-1.6	-6.2	-11.4	-10.2	-7.7	-1.7	-0.2	-5.1	0.8	-3.8	2.1	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	8.3	6.0	13.0	6.0	6.3	7.9	10.9	4.2	1.9	6.5	12.2	2.5	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.4	-8.1	-11.7	-9.2	-15.6	-12.9	-13.5	-4.7	-3.5	-9.6	-13.2	-10.4	
	Industri lain	14.3	11.7	14.1	11.5	15.1	16.6	8.0	10.6	14.3	13.9	7.4	7.0	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.2	6.3	1.3	1.9	6.9	6.8	4.8	7.3	7.8	5.2	4.8	4.4	
18110	Percetakan	4.7	6.4	1.7	2.5	7.4	7.5	5.1	7.3	7.7	5.7	5.2	4.7	
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	1.2	5.2	-0.6	-1.5	4.1	3.2	2.8	7.8	8.1	2.5	2.7	2.7	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.6	5.9	1.9	1.9	2.1	0.7	7.7	7.1	2.6	6.1	7.7	1.0	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.7	0.5	4.7	5.4	2.6	6.1	8.0	1.8	-4.3	-3.4	7.6	-9.1	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	31.2	21.3	32.9	31.4	34.3	26.3	23.0	12.5	20.1	29.4	17.4	-1.2	
20112 & 20113	Pembuatan kimia organik asas	7.0	-2.5	7.8	7.7	4.0	8.6	9.0	1.2	-10.7	-9.0	8.5	-22.8	
20121 & 20129	Pembuatan sebatian bukan organik	-9.5	-7.6	-10.5	-12.1	-13.3	-1.2	-6.8	-1.8	-7.7	-14.1	-3.9	-12.2	
20131	Pembuatan produk campuran nitrogen	-2.3	3.5	-2.3	0.7	-4.4	-3.3	6.4	2.1	3.3	2.4	5.6	18.8	
	Pembuatan plastik dalam bentuk primer	15.0	-9.0	9.9	12.0	19.1	19.1	9.0	-10.0	-18.0	-15.8	13.0	-13.0	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	0.4	3.2	-1.9	-1.0	4.5	0.5	0.3	3.5	5.9	3.3	0.9	4.6	
20210	Pembuatan racun perosak dan produk agrokimia lain	7.7	17.4	6.3	9.2	2.8	12.8	6.8	22.6	20.1	20.6	4.2	20.4	
20221	Pembuatan cat, varnis dan penyadur dan mastik	6.2	16.1	8.1	4.3	4.6	7.6	7.7	18.8	24.7	14.9	8.6	11.7	
20222	Pembuatan dakwat cetak	-15.5	-10.3	-20.7	-15.9	-11.8	-12.3	-13.1	-8.3	-7.2	-12.5	-13.5	-13.4	
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	-6.4	6.2	-9.9	-10.6	-3.0	-1.4	2.9	10.7	10.7	1.5	4.0	-5.4	
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	8.5	-4.8	8.1	9.1	18.3	0.2	-4.0	-11.3	-5.1	0.7	-2.9	13.5	
20299	Pembuatan dakwat menulis dan melukis	6.2	-12.7	3.2	7.2	10.4	4.2	2.6	-4.7	-18.7	-30.3	5.9	-32.8	
	Pembuatan produk kimia lain t.t.t.l.	6.2	-12.7	3.2	7.2	10.4	4.2	2.6	-4.7	-18.7	-30.3	5.9	-32.8	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.0	1.9	8.8	8.6	10.3	11.8	4.6	0.7	0.9	1.9	5.0	1.1	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.6	-0.9	7.5	7.7	11.0	11.9	3.9	-1.2	-2.8	-2.9	4.6	-1.6	
	Industri lain	11.3	13.1	14.3	12.4	8.0	11.4	7.1	7.9	14.7	21.9	6.4	11.4	
221	Pembuatan produk getah	0.0	-1.4	2.1	0.2	-2.1	0.0	0.5	-5.7	-1.2	1.1	-0.7	3.0	
22111	Pembuatan tayar getah untuk kenderaan	8.0	25.7	1.7	3.4	12.3	14.1	41.6	23.4	20.8	20.0	51.2	-7.5	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	16.1	27.3	8.0	14.7	22.3	19.3	25.3	23.6	29.3	30.6	22.6	28.0	
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	8.0	4.4	3.3	6.3	10.8	11.6	6.3	3.4	0.4	7.7	5.4	6.3	
	Pengilangan semula getah dan prosesan susu getah	8.0	4.4	3.3	6.3	10.8	11.6	6.3	3.4	0.4	7.7	5.4	6.3	
2024	Pembuatan sarung tangan getah	-3.5	-8.6	8.9	-2.1	-10.7	-6.4	-8.2	-14.8	-7.0	-3.9	-9.9	6.4	
	Pembuatan produk getah lain yang t.t.t.l.	-2.7	-4.0	-13.9	-1.5	7.0	-0.1	-3.1	-5.4	-1.2	-6.4	-6.6	-5.6	
222	Pembuatan produk plastik	4.8	2.7	-0.3	2.2	9.1	8.6	8.0	2.3	-0.3	1.1	9.8	1.3	
22201	Pembuatan produk plastik separa siap	3.3	0.9	-3.1	-0.3	6.5	10.4	14.0	1.7	-3.8	-6.7	20.0	-10.0	
22202	Pembuatan produk plastik siap	16.0	19.5	7.8	10.7	19.4	26.2	36.8	27.4	15.6	1.9	36.9	-0.3	
22203	Pembuatan artikel plastik untuk pembungkusan barangan	5.4	17.5	-3.6	-0.3	15.2	12.4	16.9	25.8	15.9	11.4	15.7	8.0	
22204	Pembuatan barangan plastik jurubina	4.9	-2.3	4.6	5.4	8.5	1.3	-1.7	-1.9	-4.1	-1.5	-0.9	1.5	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-0.5	-6.8	-2.9	-1.2	5.2	-2.8	-13.7	-14.6	-7.6	9.6	-13.4	17.0	
	Pembuatan pelbagai produk plastik t.t.t.l.	-0.5	-6.8	-2.9	-1.2	5.2	-2.8	-13.7	-14.6	-7.6	9.6	-13.4	17.0	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.1	3.6	20.5	15.8	23.3	17.0	9.5	6.4	3.1	-3.8	10.7	-2.9	

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	
4.1	7.2	6.5	6.3	6.1	5.8	5.6	6.4	5.8	5.9	6.1	4.3	4.3	1.7	Manufacture of products of wood, cork, straw and plaiting materials
0.4	4.6	3.9	5.4	5.6	4.1	5.9	3.6	2.1	2.9	2.9	0.5	7.9	2.5	Manufacture of veneer sheets and plywood
9.1	9.8	5.6	4.0	4.2	-2.2	4.3	10.5	10.1	11.5	15.9	14.0	5.2	5.4	Manufacture of particle board and fibreboard
14.2	14.4	14.2	14.6	12.6	17.2	10.2	13.6	12.8	9.2	9.7	-2.1	-7.4	-7.1	Manufacture of builders' carpentry
-2.3	3.4	4.9	0.6	0.7	3.3	-0.2	1.8	4.7	6.4	3.2	16.8	9.7	8.5	Other industry
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	Manufacture of paper and paper products
-14.5	-4.3	-9.8	-15.4	-30.3	-33.3	-28.6	-26.5	-23.9	-21.4	-21.4	-16.3	-3.4	-9.0	Manufacture of pulp, paper and paperboard
10.2	14.3	14.4	9.0	10.8	9.2	11.0	7.6	8.6	9.9	6.2	4.2	4.6	4.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-6.2	-1.2	2.6	2.9	-1.6	-1.9	-6.0	-5.4	-3.9	-1.1	2.8	0.8	3.2	1.0	Manufacture of envelopes and letter-card
20.0	6.2	8.3	-0.9	7.2	6.7	-4.0	4.7	5.2	7.3	6.8	5.6	6.3	-0.9	Manufacture of household and personal hygiene paper
-12.3	-14.0	-14.3	-5.8	-4.4	-4.0	-0.5	-2.9	-7.0	-8.2	-9.9	-10.7	-11.5	-9.3	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
6.1	8.7	9.3	9.6	9.5	12.9	12.3	13.3	17.4	18.2	16.1	8.5	6.7	7.4	Other industry
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	Printing, service activities related to printing and reproduction of recorded media
5.3	5.1	5.0	7.3	8.0	6.5	7.3	7.8	8.1	5.3	5.6	6.2	-0.02	9.7	Printing
4.0	1.3	3.1	3.0	9.6	10.8	8.2	8.8	7.1	6.8	0.1	0.9	0.7	4.9	Service activities related to printing
														Reproduction of recorded media
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	Manufacture of refined petroleum products
9.0	6.1	8.9	6.9	-0.5	-1.2	-3.1	-4.5	-5.4	-4.3	-3.4	-2.5	-7.7	-10.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
7.6	26.9	34.2	12.3	15.6	9.8	21.1	16.2	23.0	24.9	32.3	31.3	9.9	-10.5	Manufacture of liquefied or compressed inorganic industrial or medical gases
10.6	6.5	10.0	10.1	-3.5	-3.0	-7.7	-10.8	-13.6	-12.0	-8.2	-6.8	-23.0	-22.6	Manufacture of basic organic chemicals
6.4	-13.2	-11.8	-0.6	-2.2	-2.5	-7.7	-6.9	-8.5	-9.0	-12.6	-20.0	-13.4	-10.9	Manufacture of inorganic compounds
5.6	5.7	7.8	2.6	2.7	1.0	2.3	3.7	4.0	4.2	-0.4	3.4	22.1	15.5	Manufacture of fertilizers
20.5	6.0	1.2	0.6	-15.8	-14.7	-21.5	-17.3	-15.1	-14.3	-19.9	-13.5	-12.5	-13.5	Manufacture of associated nitrogen products
-0.9	2.7	-0.9	2.6	3.6	4.2	4.1	6.6	7.0	7.2	4.7	-1.2	2.7	6.6	Manufacture of other chemical products and man-made fibres
-1.5	10.5	11.2	10.0	26.3	33.5	25.9	19.6	14.9	22.0	17.3	22.7	20.1	20.7	Manufacture of pesticides and other agrochemical products
-3.5	22.3	5.6	14.1	21.8	20.9	16.8	30.8	26.5	21.6	17.1	7.3	9.5	13.7	Manufacture of paints, varnishes and similar coatings ink and mastics
-13.3	-13.7	-12.2	-12.6	-5.9	-6.1	-5.2	-7.4	-9.0	-11.4	-11.2	-14.6	-15.7	-11.0	Manufacture of printing ink
2.8	5.1	0.7	11.3	10.6	10.2	12.8	11.3	8.1	6.7	3.0	-3.9	-5.8	-5.1	Manufacture of soap and detergents, cleaning and polishing preparations
														Manufacture of perfumes and toilet preparations
0.2	-6.1	-6.2	-8.2	-13.0	-12.7	-11.2	-5.1	1.7	4.0	3.2	-4.1	8.7	18.8	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
														Manufacture of writing and drawing ink
2.9	8.9	-4.1	-3.2	-4.6	-6.2	-0.2	-26.2	-30.0	-33.5	-28.4	-28.9	-32.4	-33.2	Manufacture of other chemical products n.e.c.
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	Manufacture of pharmaceuticals, medicinal chemical and botanical products
6.4	2.7	2.6	0.5	-2.2	-1.9	-2.6	-2.2	-3.7	-5.2	-2.3	-1.3	-1.1	-2.1	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
7.7	5.1	8.5	3.3	11.6	8.8	13.4	13.6	17.1	25.5	20.1	20.2	11.2	11.6	Other industry
-3.7	2.4	3.0	-0.9	-6.2	-9.1	-3.7	-0.2	0.4	1.7	1.0	0.6	5.2	0.9	Manufacture of rubber products
44.6	58.7	24.3	41.2	17.6	14.2	22.2	19.9	20.4	20.4	19.6	20.1	-1.5	-13.7	Manufacture of rubber tyres for vehicles
17.5	28.2	29.8	22.2	26.1	22.4	27.6	29.9	30.4	28.2	30.7	33.1	32.1	23.9	Manufacture of interchangeable tyre treads and retreading rubber tyres
5.3	5.5	8.0	6.9	4.1	-0.7	2.0	-0.5	-0.1	8.6	7.8	6.7	12.1	0.5	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-14.9	-4.6	-4.8	-9.9	-15.9	-17.7	-12.6	-4.3	-3.8	-3.8	-4.7	-3.2	7.9	5.0	Rubber remilling and latex processing
-5.6	-7.6	4.2	-7.5	-3.6	-5.0	1.3	-2.8	-2.0	-3.8	-4.3	-11.0	-7.7	-3.5	Manufacture of rubber gloves
10.8	8.8	4.7	4.7	1.4	0.9	0.7	-1.1	-0.5	0.4	3.0	-0.1	0.9	1.6	Manufacture of plastics products
20.3	19.7	2.7	5.4	-1.6	1.5	-4.3	-4.5	-2.7	-4.7	-3.3	-11.7	-9.9	-10.1	Manufacture of semi-manufactures of plastic products
37.1	36.6	36.7	29.5	27.4	25.3	27.1	9.7	10.0	1.3	2.3	2.2	-0.7	0.2	Manufacture of finished plastic products
13.2	18.3	19.2	18.5	29.1	30.1	27.1	9.9	10.7	10.9	10.9	12.4	12.5	3.4	Manufacture of plastic articles for the packing of goods
-1.1	-0.7	-3.2	-2.3	-2.1	-1.4	-5.4	-2.4	-4.6	-1.1	-1.8	-1.5	1.3	1.7	Manufacture of builders' plastics ware
-11.4	-15.4	-14.3	-12.5	-14.4	-16.8	-12.4	-5.3	-5.0	5.3	11.6	11.9	15.6	18.4	Manufacture of plastic tableware, kitchenware and toilet articles
														Manufacture of diverse plastic products n.e.c.
12.0	9.4	7.1	7.9	4.5	7.0	4.4	4.9	0.1	-1.4	-3.9	-5.8	-5.5	0.05	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				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.5	2.2	0.9	3.1	6.2	3.8	0.1	0.1	2.7	5.8	1.0	6.4	
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-14.7	2.9	-21.8	-16.9	-14.3	-4.7	1.1	2.9	3.3	4.2	1.6	17.4	
23930	Pembuatan produk porselin dan seramik lain	7.4	-14.1	5.0	11.4	10.9	2.6	-15.2	-18.1	-12.5	-10.3	-11.7	-13.5	
23941	Pembuatan simen hidrolik	-3.3	5.6	-3.7	-8.8	-0.1	-0.1	5.1	7.1	6.9	3.2	4.9	-5.5	
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	7.5	-3.8	6.6	8.1	10.9	4.7	-3.4	-6.7	-5.2	-0.01	-0.6	6.2	
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	2.1	5.1	-0.8	2.0	4.8	2.5	0.9	3.3	6.5	9.7	0.6	6.2	
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.													
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.4	9.8	10.0	14.9	13.9	7.4	6.1	6.5	11.2	15.0	5.9	13.4	
	Industri lain	12.0	-1.9	9.8	9.5	16.0	12.9	-1.0	-4.7	-2.9	0.9	0.8	5.8	
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	7.2	1.2	7.0	11.5	8.2	2.5	1.5	0.7	1.9	0.5	2.8	0.0	
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.9	5.1	2.6	-4.9	-1.8	-3.4	7.9	7.9	3.1	1.6	5.8	3.7	
243	Pengacuan logam	0.4	-4.3	-0.2	-0.2	2.3	-0.5	-3.7	-2.0	-6.8	-4.9	-2.7	2.0	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	4.8	-2.8	1.7	2.1	1.9	4.1	6.0	6.2	2.9	2.9	8.0	
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-4.4	5.9	-10.7	-5.0	-2.0	0.8	5.7	9.2	9.3	-0.3	3.4	-1.1	
25120	Pembuatan produk struktur logam lain													
	Pembuatan tangki, takungan dan kontena daripada logam	9.3	3.5	14.6	15.1	7.3	1.7	1.3	2.5	2.4	7.8	1.3	22.7	
	Industri lain	-1.0	4.0	-10.1	-4.3	4.8	7.5	6.0	3.5	5.2	1.6	5.8	3.2	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.7	5.8	4.5	5.7	4.8	0.0	4.1	4.4	6.2	8.4	4.0	7.2	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.8	-1.4	-0.02	-0.4	-2.6	-4.3	-5.0	-5.3	0.8	4.2	-4.6	2.8	
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.3	-4.8	0.8	2.6	3.8	-1.6	-2.9	-4.7	-5.0	-6.6	-2.6	-0.3	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	13.4	16.8	5.9	14.7	18.9	14.5	19.8	16.7	16.5	14.7	21.7	16.6	
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	14.2	10.2	21.6	22.3	14.6	1.3	5.1	12.6	10.4	13.0	4.0	17.0	
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya													
25994	Pembuatan barangan rumah daripada logam	-7.2	0.3	-18.0	-10.7	2.8	-0.4	1.2	-5.3	-1.0	6.6	2.6	10.5	
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.0	5.7	2.8	5.6	7.1	4.6	10.3	2.3	3.2	6.9	10.9	-1.2	
	Industri lain	-29.1	13.4	-19.6	-29.6	-35.4	-32.8	-10.2	11.7	27.2	32.5	-15.4	8.0	
261	Pembuatan komponen dan papan elektronik	3.5	0.4	4.6	2.7	4.3	2.3	1.5	3.2	-1.2	-1.7	0.0	-6.7	
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.8	0.6	4.5	1.5	1.4	-0.1	1.2	1.1	0.9	-0.8	-0.8	-4.0	
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro													
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik													
26104 & 26105	Pembuatan papan litar bercetak	7.2	0.3	5.9	5.3	10.7	7.2	2.3	7.9	-5.2	-3.6	1.5	-12.9	
26105	Pembuatan komponen paparan													
26109	Pembuatan komponen lain untuk aplikasi elektronik	2.4	-0.9	-3.0	4.1	5.5	3.6	-0.7	0.9	-4.3	0.3	1.0	2.7	
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.7	3.1	3.0	10.1	5.5	4.6	0.9	0.9	4.7	5.9	4.2	4.8	
263/ 26300	Pembuatan peralatan komunikasi	18.5	-0.7	27.4	14.5	17.3	16.0	8.7	0.8	-4.8	-7.1	9.4	-6.3	
264/ 26400	Pembuatan peralatan elektronik pengguna	17.7	-0.2	17.2	20.3	24.7	9.5	-0.1	-4.9	-1.2	5.1	-2.9	1.5	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	44.8	21.3	27.4	45.4	53.7	51.6	20.8	29.5	23.7	12.9	22.5	25.4	
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	48.2	22.4	28.4	49.5	57.7	56.0	22.2	31.3	24.6	13.5	24.3	27.4	
26520	Pembuatan kelengkapan kawalan proses perindustrian													
	Pembuatan jam tangan dan jam dan bahagiannya	11.3	6.8	17.4	7.0	14.2	7.1	6.6	6.1	11.3	3.1	4.7	1.7	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.5	-1.2	10.0	-0.3	-0.6	9.9	7.2	4.3	-8.0	-7.8	10.0	1.4	

2023												2024				Group Description/Period	
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.				
2.1	-0.2	-1.5	-1.5	1.1	0.8	0.9	2.5	4.6	4.4	6.4	6.6	5.9	6.9	Manufacture of non-metallic mineral products			
3.4	-0.2	0.3	3.1	-0.5	6.2	-0.5	4.6	5.8	4.6	2.4	5.3	15.0	19.8	Manufacture of refractory mortars and concretes			
5.0	-27.0	-22.3	-17.9	-17.2	-19.3	-12.6	-12.3	-12.5	-13.8	-10.3	-6.8	-24.3	0.7	Manufacture of non-refractory ceramic			
2.1	8.0	5.6	5.2	8.3	7.8	7.2	8.5	5.0	3.5	3.7	2.3	1.7	-13.3	Manufacture of other porcelain and ceramic products			
-1.3	0.02	-8.6	-8.9	-5.3	-5.8	-6.3	-7.5	-1.9	-4.5	2.7	2.0	6.2	6.1	Manufacture of hydraulic cement			
3.2	-1.9	1.3	2.6	4.6	2.6	4.9	6.4	8.1	8.6	9.6	10.9	5.9	6.5	Manufacture of ready-mix and dry-mix concrete and mortars			
3.5	8.4	6.4	6.8	6.9	5.9	6.1	13.3	14.1	15.6	17.3	12.5	13.5	13.3	Manufacture of precast concrete, cement or artificial stone articles for use in construction			
0.9	0.7	-4.4	-10.9	-2.0	0.1	-3.1	-4.4	-1.1	1.0	-0.5	2.1	4.3	7.3	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.			
3.7	2.0	-1.0	-0.2	2.3	-0.01	1.9	2.4	1.4	0.7	0.3	0.7	2.2	-2.3	Manufacture of other non-metallic mineral products n.e.c.			
														Other industry			
3.4	8.3	12.5	9.8	7.1	6.9	6.0	1.0	2.3	1.4	1.7	1.8	3.3	4.1	Manufacture of basic iron and steel			
1.6	-7.1	-5.6	-2.6	-3.4	0.2	-8.7	-5.6	-6.0	-3.6	-5.8	-5.1	-1.1	5.3	Manufacture of basic precious and other non-ferrous metals			
1.2	4.7	6.6	5.1	6.1	6.9	6.3	8.3	4.1	2.4	0.4	5.9	9.8	6.2	Casting of metals			
0.3	6.7	10.6	6.4	8.4	13.0	11.0	13.8	3.5	2.5	-1.0	-2.2	3.7	-5.8	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition			
1.2	1.5	1.3	3.4	3.2	0.9	1.3	2.2	3.7	1.2	2.7	19.7	22.6	22.7	Manufacture of metal doors, windows and their frames, shutters and gates			
5.7	5.9	6.3	4.8	4.7	1.0	2.1	5.3	8.4	5.8	-0.6	0.0	-2.2	8.7	Manufacture of other structural metal products			
1.8	6.3	4.3	4.6	4.5	4.0	5.0	5.7	7.8	8.6	7.8	8.8	8.0	6.3	Manufacture of tanks, reservoirs and containers of metal			
-3.5	-5.7	-5.8	-5.1	-5.8	-4.9	-0.8	0.1	3.2	4.0	4.2	4.3	2.8	2.9	Other industry			
-2.9	-2.3	-3.6	-1.2	-5.5	-7.2	0.1	-7.2	-8.1	-8.4	-11.9	-0.3	-0.6	-0.1	Manufacture of other fabricated metal products; metal working service activities			
21.1	22.3	16.0	15.3	19.7	15.2	16.6	19.7	13.5	16.2	16.1	11.9	16.0	17.2	Forging, pressing, stamping and roll-forming of metal; powder metallurgy			
0.03	8.1	7.3	15.3	11.6	11.0	8.4	9.6	13.4	13.0	11.7	14.2	18.1	16.0	Treatment and coating of metals; machining			
-0.6	6.1	-1.5	-0.9	-6.3	-8.5	-5.1	-1.9	4.3	7.1	6.2	6.5	8.5	12.4	Manufacture of tins and cans for food products, collapsible tubes and boxes			
10.6	11.2	9.0	2.3	2.1	2.5	1.1	2.5	5.8	7.6	7.0	6.1	-1.2	-1.1	Manufacture of metal cable, plaited bands and similar articles			
-32.6	7.0	1.2	-2.3	21.3	20.9	20.3	25.9	35.2	33.9	34.5	29.4	27.8	-8.2	Manufacture of bolts, screws, nuts and similar threaded products			
-0.3	0.4	4.4	3.0	3.9	2.7	-1.8	-0.7	-1.3	-1.2	-1.0	-2.8	-4.7	-8.6	Manufacture of metal household articles			
-1.3	-0.2	5.2	3.5	0.9	-0.9	0.5	1.9	0.3	0.2	-1.0	-1.6	-3.2	-4.8	Manufacture of any other fabricated metal products n.e.c.			
1.9	1.1	3.9	3.0	10.6	10.4	-7.0	-4.5	-4.3	-4.2	-1.0	-5.4	-8.8	-16.7	Other industry			
-1.1	3.2	-3.9	-3.0	-1.1	7.3	1.8	-11.8	-3.0	0.9	-1.0	1.0	5.5	-0.1	Manufacture of electronic components and boards			
0.6	7.8	-5.6	2.2	5.3	-4.9	6.7	4.9	2.9	3.0	8.1	6.4	6.6	2.9	Manufacture of diodes, transistors and similar semiconductor devices			
10.8	8.1	7.3	-8.5	4.3	8.3	-8.0	-2.4	-4.0	-4.9	-6.8	-9.2	-9.5	-3.0	Manufacture of electronic integrated circuits micro assemblies			
-1.9	-4.0	5.8	-6.7	-3.3	-4.6	-2.4	-6.4	5.1	5.5	5.1	4.8	5.7	-2.9	Manufacture of electrical capacitors and resistors			
21.4	23.5	17.9	29.2	30.9	28.6	28.9	21.1	21.3	18.5	12.0	8.8	22.9	27.8	Manufacture of printed circuit boards			
23.4	25.1	18.5	30.7	33.0	30.4	30.0	22.0	22.1	19.1	12.4	9.8	25.0	29.7	Manufacture of display components			
2.9	6.6	10.7	10.4	5.2	2.9	15.2	8.9	10.0	10.1	6.5	-6.2	-0.4	3.8	Manufacture of other components for electronic applications			
7.2	12.9	2.0	9.7	3.3	-0.03	-6.8	-9.2	-8.1	-7.9	-8.2	-7.4	1.7	1.2	Manufacture of computers and peripheral equipment			
														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 Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : **1.6b** : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023				2023		2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	(Jan. - Feb.)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	26.6	-0.1	16.3	36.3	34.0	21.2	3.1	-6.8	-1.8	5.5	13.4		10.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.0	-0.4	-3.0	-1.7	-2.5	-8.3	-1.7	3.9	-1.2	-2.3	-4.3		-1.1
27101	Pembuatan motor elektrik, penjana dan transformer	5.2	3.2	12.5	8.2	3.1	-1.4	2.5	0.6	2.0	7.8	2.7		9.3
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-8.9	-2.7	-9.6	-7.5	-5.8	-12.0	-3.9	6.1	-3.3	-8.5	-8.0		-7.1
272/ 27200	Pembuatan bateri dan akumulator	10.0	14.2	21.1	8.4	1.3	11.0	14.8	15.6	16.0	10.8	13.7		5.0
273	Pembuatan pendawaian dan peranti pendawaian	13.0	-5.6	12.1	14.5	17.3	8.4	2.0	-1.6	-6.3	-15.9	2.9		-16.8
27310	Pembuatan kabel gentian optikal	24.2	10.4	55.3	39.6	29.3	-2.0	11.8	26.8	9.4	-2.2	13.0		3.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	12.6	-6.4	9.6	13.2	17.4	10.4	2.5	-2.9	-7.2	-17.3	3.4		-19.3
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1.9	-20.1	18.6	6.8	-3.5	-12.2	-26.6	-21.1	-18.6	-13.0	-26.3		12.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12.5	0.6	33.6	6.3	6.0	8.3	-1.3	-2.3	2.2	3.1	-2.2		8.4
275/ 27500	Pembuatan perkakasan domestik	-24.1	-9.3	-31.7	-20.4	-18.0	-23.7	-24.1	-17.3	1.1	9.7	-25.0		1.5
279/ 27900	Pembuatan kelengkapan elektrik lain	31.8	12.4	26.9	26.0	35.4	37.8	30.3	14.1	7.6	1.4	34.6		-0.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.1	0.6	1.2	3.0	4.9	3.3	2.3	0.9	0.2	-0.9	1.1		-1.5
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.1	3.7	-4.3	1.9	6.6	4.4	1.5	6.7	4.8	2.1	0.7		-29.9
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.1	-2.2	-2.8	3.1	3.8	-3.1	-3.2	-0.1	-2.0	-3.3	-7.3		1.8
28192	Pembuatan jentera pembentukan logam dan alatan mesin													
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.8	-14.3	3.5	2.8	7.9	17.0	2.6	-12.2	-22.2	-23.9	5.5		-2.5
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-5.3	-2.3	2.6	-6.1	-8.8	-9.2	-4.5	4.5	0.4	-9.0	-7.7		-13.3
	Industri lain	5.5	8.1	2.9	6.0	8.1	5.4	7.0	4.3	9.5	11.6	6.4		5.3
291 (29101 & 29102)	Pembuatan kenderaan bermotor	9.0	-3.7	11.0	11.2	11.7	2.7	-5.4	-5.8	-0.9	-2.7	-5.0		-2.6
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	21.7	16.6	16.5	22.1	25.4	22.3	25.5	6.5	15.0	20.0	36.4		8.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.0	4.2	-6.0	-2.6	2.3	-1.1	0.4	7.0	5.3	4.0	-1.2		3.2
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.6	11.0	-7.1	-2.2	2.5	1.6	2.8	7.4	13.4	21.3	3.2		20.4
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	3.5	6.8	10.4	4.7	2.3	-0.2	-2.4	-0.7	3.2		-1.7
30910	Pembuatan motosikal	10.7	0.04	11.7	13.8	15.3	2.4	-0.4	-2.9	-1.4	5.3	1.75		1.64
30920	Pembuatan basikal dan <i>invalid carriages</i>	-8.4	-12.5	-18.6	-13.4	-4.7	6.1	3.4	0.2	-21.2	-31.0	1.3		-30.1
	Industri lain	5.4	6.2	0.3	3.6	8.6	9.7	8.8	7.0	6.0	3.1	8.0		6.1
310	Pembuatan perabot	5.4	5.1	6.6	8.7	6.1	0.6	3.8	4.2	6.1	6.4	4.1		1.6
31001	Pembuatan perabot kayu dan rotan	9.3	8.2	11.0	13.0	10.3	3.7	6.9	8.9	8.8	8.3	7.5		2.7
	Industri lain	-7.4	-6.8	-7.0	-4.6	-7.8	-10.1	-7.8	-12.8	-4.5	-1.4	-8.2		-3.1
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	4.4	-1.7	2.3	4.1	8.3	3.4	-0.9	-3.3	-0.8	-1.7	-3.5		-1.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.5	0.7	1.2	1.6	3.8	-0.4	-3.4	-0.3	0.5	6.0	-2.8		5.6
32901	Pembuatan alat tulis	1.5	-3.6	4.5	4.8	2.7	-5.7	-6.7	-8.4	0.8	0.3	-7.2		1.1
	Industri lain	1.5	1.8	0.3	0.7	4.1	1.0	-2.6	2.0	0.5	7.5	-1.6		6.7
323/ 32300	Pembuatan barangan sukan	1.3	-4.6	-1.6	1.6	1.6	3.6	5.2	1.9	-8.9	-16.2	3.8		-16.5
324/ 32400	Pembuatan permainan dan mainan	28.2	11.5	59.6	49.3	20.9	4.6	17.4	21.7	5.0	4.3	13.9		-15.2
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.7	6.7	3.7	7.1	4.6	3.6	7.5	7.4	8.5	3.6	8.0		0.8
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2.9	13.3	-3.1	3.9	-1.8	12.8	16.1	12.2	9.7	14.8	18.3		6.6
	Industri lain	5.2	4.9	5.6	7.9	6.3	1.3	5.2	6.2	8.2	0.4	5.4		-0.9
Jumlah Pembuatan		5.2	3.5	4.1	5.2	6.7	5.0	4.3	3.6	3.0	2.9	4.3		1.5

2023														2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.			
14.8	12.0	-11.5	-5.7	-7.2	-7.4	-8.1	-1.6	4.7	7.1	8.8	1.1	7.4	13.9	Manufacture of optical instruments, photographic equipment, magnetic and optical media		
-3.1	-5.6	4.2	7.6	3.5	1.0	1.2	-2.5	-2.2	-2.1	-3.9	-1.0	-2.2	0.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus		
4.6	0.6	2.1	1.8	-0.5	0.7	-1.8	1.5	6.3	6.5	8.7	8.2	8.9	9.8	Manufacture of electric motors, generators and transformers		
-7.3	-8.7	5.3	11.6	6.2	1.2	3.1	-5.1	-7.7	-7.9	-11.8	-6.1	-8.9	-5.3	Manufacture of electricity distribution and control apparatus		
10.8	16.5	17.2	16.5	19.1	11.1	18.3	13.2	16.6	15.0	11.9	5.8	1.7	8.0	Manufacture of batteries and accumulators		
2.2	3.6	0.1	-2.6	-3.3	1.1	-4.6	-5.9	-8.3	-13.9	-13.0	-20.7	-15.9	-17.7	Manufacture of wiring and wiring devices		
11.6	14.4	9.4	25.2	26.9	28.0	14.3	10.4	4.1	6.4	-5.8	-6.6	4.1	3.1	Manufacture of fibre optic cables		
2.7	4.2	0.6	-3.5	-5.2	-0.2	-5.6	-6.8	-9.1	-15.4	-13.4	-22.7	-18.3	-20.4	Manufacture of other electronic and electric wires and cables		
-25.3	-27.3	-27.1	-28.6	-15.7	-19.1	-21.0	-17.7	-17.1	-20.3	-19.4	5.2	8.7	15.5	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material		
-5.4	1.4	0.8	0.6	0.3	-6.9	2.1	2.8	1.7	1.5	-4.0	11.3	8.3	8.5	Manufacture of electric lighting equipment		
-27.3	-22.6	-22.2	-23.2	-15.2	-15.0	-8.2	1.8	12.0	9.4	10.3	9.4	3.8	-0.7	Manufacture of domestic appliances		
36.8	32.4	21.9	10.5	13.5	18.2	11.7	13.8	-1.0	7.4	-0.5	-1.9	3.9	-5.8	Manufacture of other electrical equipment		
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	Manufacture of general-purpose and special-purpose machinery		
-1.2	2.8	3.0	4.3	7.3	8.5	5.3	5.1	3.9	2.3	0.5	3.2	-29.6	-30.2	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		
-2.6	-11.9	6.0	-1.1	-0.7	1.4	-0.4	-2.3	-3.2	-7.8	-2.0	-0.05	-0.9	4.7	Manufacture of metal-forming machinery and machine tools		
5.6	5.5	-2.9	-10.1	-12.6	-13.9	-18.6	-25.5	-22.1	-20.9	-22.5	-27.6	-4.5	-0.7	Manufacture of air-conditioning machines, including for motor vehicles		
-7.5	-7.9	3.4	-2.4	7.4	9.5	12.6	-6.4	-5.1	-4.5	-6.4	-14.9	-9.4	-17.1	Manufacture of other special-purpose machinery		
5.7	7.2	8.2	6.4	2.3	4.2	4.0	13.1	11.3	12.0	13.3	9.7	5.3	5.2	Other industry		
-4.1	-5.9	-6.3	-7.2	-5.7	-4.5	-1.2	-2.2	0.9	-0.9	-0.9	-5.7	-2.0	-3.2	Manufacture of motor vehicles		
39.7	33.3	6.8	5.9	8.3	5.3	7.1	20.7	17.0	20.5	20.0	19.5	8.5	9.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers		
-1.6	-0.8	3.8	3.5	9.4	8.1	8.1	5.0	2.9	3.6	3.3	5.1	3.6	2.7	Manufacture of parts and accessories for motor vehicles		
3.0	3.4	2.1	0.02	10.6	12.1	11.5	13.7	14.9	15.7	24.4	23.6	23.8	16.9	Building of ships and boats		
3.9	2.5	0.5	0.9	-0.2	-1.3	-0.7	-3.1	-3.6	-0.8	-1.0	-0.3	-1.9	-1.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c		
1.6	1.9	-4.5	-1.7	-3.7	-3.2	-3.9	-1.6	1.1	3.8	5.6	6.4	4.0	-0.6	Manufacture of motorcycles		
1.8	0.7	7.9	4.7	-1.1	-3.0	-4.6	-28.8	-30.0	-31.1	-30.8	-31.1	-29.9	-30.2	Manufacture of bicycles and invalid carriages		
11.1	5.0	10.3	5.9	10.2	4.8	10.0	8.5	-0.1	4.5	2.0	2.9	-0.2	12.4	Other industry		
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	Manufacture of furniture		
8.5	6.4	5.9	5.5	11.0	10.2	9.6	9.6	7.2	7.5	7.9	9.6	2.4	2.9	Manufacture of wooden and cane furniture		
-8.6	-7.9	-7.0	-6.6	-16.1	-15.9	-5.8	-4.9	-2.9	-1.1	-0.2	-2.8	-2.4	-3.8	Other industry		
-3.4	-3.6	4.7	4.3	-2.8	-11.5	-1.1	-2.5	1.2	1.7	8.5	-12.3	-5.8	3.6	Manufacture of jewellery, bijouterie and related articles		
-2.6	-3.0	-4.7	-3.5	3.5	-0.8	-0.3	0.4	1.4	4.3	4.7	9.0	4.5	6.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.		
-9.5	-4.9	-5.6	-12.4	-4.9	-7.8	-4.1	2.6	4.1	0.2	0.1	0.6	4.0	-1.5	Manufacture of stationery		
-0.8	-2.5	-4.5	-1.0	5.8	1.1	0.8	-0.2	0.8	5.4	5.8	11.1	4.6	8.8	Other industry		
-0.7	8.4	8.1	3.2	5.8	-3.2	4.2	-14.6	-16.3	-12.7	-18.0	-17.9	-12.9	-19.9	Manufacture of sports goods		
15.6	12.2	24.8	16.8	25.1	23.1	5.8	6.8	2.7	8.1	-2.1	6.6	-15.3	-15.1	Manufacture of games and toys		
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	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment		
16.3	20.3	11.9	8.6	14.1	14.3	11.6	9.7	8.1	9.2	9.9	24.1	4.9	8.1	Repair and maintenance of transport equipment except motorcycles and bicycles		
4.6	6.1	4.9	5.0	7.1	6.5	7.4	8.6	8.6	1.9	1.2	-1.9	-0.2	-1.6	Other industry		
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	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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	-4.3	-1.4	0.9	13.8	3.6	2.5	0.7	4.3	-1.9	-8.0
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-0.8	-0.9	1.3	4.3	1.3	-0.3	2.4	0.2	1.8	-1.1
	10201 Pengetinan ikan, krustasea dan moluska &	-1.3	-0.9	-0.1	6.9	2.4	-0.5	1.7	-1.3	1.6	-1.1
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	1.5	-0.8	6.8	-5.4	-3.2	0.6	5.3	6.6	2.5	-1.4
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.0	2.7	1.1	1.3	12.7	7.3	-4.7	-2.4	8.4	3.6
	10303 Pengetinan nanas &	2.6	7.4	10.7	1.9	29.1	6.2	-7.4	-4.7	12.4	12.8
	10304 Pembuatan jem, marmalad dan sajian jeli Industri lain	10.4	2.5	0.5	1.2	11.7	7.4	-4.5	-2.2	8.1	2.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	0.6	0.8	1.2	5.2	1.1	0.2	1.2	4.9	-5.5	-1.4
	10404 Pembuatan minyak sayuran mentah dan bertapis &	2.8	4.4	2.5	-2.7	1.3	0.8	-5.5	2.3	1.9	-1.5
	10406 Pembuatan sebatian lemak masakan	12.5	4.0	-6.8	-3.3	19.0	3.6	12.4	-1.7	19.0	-1.4
	10405 Pembuatan minyak kelapa Industri lain	0.1	0.4	1.4	6.2	0.5	0.03	1.3	5.4	-6.8	-1.3
105	Pembuatan produk tenusu	9.2	2.8	-4.4	-2.6	6.4	3.3	-3.2	7.1	3.0	5.7
	10502 Pembuatan susu pekat, tepung dan sejat Industri lain	9.8	2.7	-3.3	-3.6	6.8	3.2	-4.2	7.6	2.6	7.9
		5.1	3.7	-13.0	5.4	3.4	3.6	4.9	3.5	6.2	-9.8
106	Pembuatan produk bijian, kanji dan produk berkanji	1.8	-1.0	0.1	-1.1	4.8	2.3	-2.4	-1.3	1.9	-0.3
	10611 Pengilangan beras	0.9	-2.2	0.7	-0.6	8.2	-2.6	-0.6	-4.5	4.1	4.4
	10613 Pengilangan tepung Industri lain	2.1	0.9	-0.4	-2.8	1.6	8.8	-4.1	1.8	-1.3	-3.0
		6.8	-4.4	-0.6	6.1	0.9	-3.1	-4.4	2.3	8.5	-14.7
107	Pembuatan produk makanan lain	2.6	1.7	1.5	4.3	0.5	-1.1	4.6	5.1	-0.9	-2.8
	10711 Pembuatan biskut dan cookies	2.0	3.7	2.6	2.0	3.7	2.1	8.1	2.0	4.4	-1.9
	10712 Pembuatan roti, kek dan produk bakeri lain	-8.1	4.5	4.1	3.7	-3.3	2.0	4.0	2.4	-0.2	-3.5
	10713 Pembuatan produk snek	6.2	5.2	2.3	2.4	2.0	-3.6	5.3	6.5	-2.7	1.2
	10721 Pembuatan gula	12.4	-6.1	-4.0	-8.6	-5.3	-0.5	3.5	8.3	16.9	1.5
	10731 Pembuatan produk koko	11.6	-2.6	-5.2	3.9	-0.7	6.3	2.4	0.9	-3.2	4.8
	10732 Pembuatan coklat dan produk coklat &	12.1	-0.2	0.3	4.9	-2.5	-9.4	9.1	11.5	-10.0	-1.6
	10733 Pembuatan konfeksi gula	-8.1	-0.7	-1.1	5.8	5.0	2.1	4.7	11.1	-8.3	-2.5
	10793 Pembuatan sos dan bahan perasa	13.2	1.7	4.0	9.8	2.4	-1.0	7.0	6.2	7.8	-9.8
	10799 Pembuatan produk makanan lain t.t.t.l. Industri lain	6.9	0.7	0.02	4.0	1.6	-2.8	1.6	3.5	-1.3	-1.3
108/ 10800	Pembuatan makanan haiwan tersedia	-3.5	-0.7	0.5	6.2	1.2	-1.5	2.1	6.6	-13.8	7.9
110	Pembuatan minuman ringan	-2.4	-3.2	0.1	11.9	-1.4	-1.9	0.2	10.5	-6.8	-2.6
	11041 Pembuatan minuman ringan	-4.1	-1.2	1.0	15.5	-2.9	-0.6	-2.4	11.6	-9.6	-2.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	4.6	-7.1	-2.7	2.7	1.9	-3.8	4.6	5.8	1.5	-3.3
		-9.7	-8.9	1.1	6.4	5.4	-10.2	17.1	15.7	-1.2	2.7
120/ 12000	Pembuatan produk tembakau	0.3	-14.9	0.5	21.1	0.9	-11.6	-2.6	17.1	-17.0	7.0
131	Pemintalan, penenunan dan penyiapan tekstil	0.9	-1.2	1.8	4.2	-8.7	1.1	3.7	1.3	-7.1	-6.6
	13110 Penyediaan dan pemintalan gentian tekstil &	2.6	-2.2	2.4	5.1	-9.7	4.3	5.6	0.5	-5.6	-10.5
	13120 Penenunan tekstil	-2.8	0.9	1.1	2.2	-7.5	-5.6	-1.4	4.4	-10.6	1.0
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4.0	-1.2	-6.6	2.1	5.1	-4.0	7.6	-7.8	-0.8	12.8
139	Pembuatan tekstil lain	-6.4	-1.1	2.7	3.4	7.0	3.0	-0.9	1.5	6.7	-1.8
	13910 Pembuatan fabrik dikait dan dikrusye Industri lain	-15.1	-7.0	0.6	7.4	-5.9	8.7	-3.2	3.3	-6.5	0.1
		-1.6	1.7	3.5	1.7	12.6	0.9	0.0	0.8	12.5	-2.5
141	Pembuatan pakaian, kecuali pakaian berbulu	1.0	-5.9	0.6	11.7	0.3	-3.7	-2.0	9.4	-4.5	-7.2
	14102 Pembuatan pakaian Industri lain	-3.1	-6.3	1.5	14.2	-0.9	-5.0	-2.2	12.3	-6.9	-9.0
		10.6	-5.1	-1.2	6.5	2.8	-1.0	-1.8	3.4	1.1	-3.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	7.0	2.9	-6.6	-3.1	1.4	1.0	2.2	0.8	4.0	-10.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-3.3	-3.8	2.0	7.5	-1.0	-0.04	-1.2	5.5	-2.0	-2.4
152	Pembuatan kasut	3.3	-3.4	-2.6	6.5	5.8	-3.4	-1.8	6.7	3.3	1.0
	15201 Pembuatan kasut kulit &	2.2	-2.8	-2.0	6.7	4.1	-3.9	-4.5	3.4	0.8	0.5
	15203 Pembuatan kasut getah Industri lain	6.4	-4.9	-4.1	5.9	10.4	-2.0	4.6	14.0	10.4	2.1
161/ 16100	Pengilangan dan pengetaman kayu	-4.1	-5.3	-2.3	0.9	4.7	-4.7	3.0	1.9	2.9	2.5

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-1.2	4.4	2.6	0.5	-3.4	2.3	4.4	0.6	-0.01	0.1	-3.3	-6.2	Processing and preserving of meat
-0.2	-2.0	3.3	0.1	1.2	-0.5	1.3	-0.5	-1.0	2.1	-1.5	-1.9	Processing and preserving of fish, crustaceans and molluscs
0.1	-2.5	3.7	-0.4	1.6	-1.7	1.0	-1.0	-1.9	2.5	-2.4	-1.7	Canning of fish, crustaceans and molluscs
-1.6	0.4	1.3	2.4	-0.8	4.6	2.7	1.3	2.5	0.7	2.1	-2.9	Processing, curing and preserving of fish, crustacean and molluscs
1.9	4.1	1.0	0.03	-2.1	-4.9	0.9	-0.5	-0.6	-1.4	4.6	-3.3	Processing and preserving of fruits and vegetable
4.7	-1.4	2.5	-3.1	-3.4	-2.7	-3.4	-3.5	2.1	1.7	1.9	-4.0	Pineapple canning
1.7	4.5	0.9	0.3	-2.0	-5.0	1.2	-0.2	-0.8	-1.7	4.8	-3.3	Manufacture of jams, marmalades and table jellies
-1.2	1.5	0.2	-0.7	2.5	-3.4	4.1	1.1	-2.4	11.6	-5.9	0.3	Manufacture of vegetable and animal oils and fats
0.1	1.3	-1.0	1.8	-9.4	3.7	2.5	0.6	-2.1	0.8	1.3	-1.2	Manufacture of crude and refined vegetable oil
-0.2	3.7	0.6	0.4	10.3	1.3	1.4	-1.5	-1.6	-1.2	0.2	-0.6	Manufacture of compound cooking fats
-1.3	1.5	0.3	-0.9	3.2	-4.1	4.3	1.3	-2.4	12.9	-6.6	0.4	Manufacture of coconut oil
-3.0	3.3	-0.8	2.1	-8.7	5.7	3.0	-2.8	2.2	13.6	2.1	-14.9	Manufacture of dairy products
-4.4	4.1	-1.5	2.3	-9.7	6.0	3.0	-3.3	2.1	16.7	2.6	-16.3	Manufacture of condensed, powdered and evaporated milk
9.2	-2.4	5.2	0.6	-0.2	3.0	2.8	1.1	3.2	-7.3	-2.5	-1.4	Other industry
-0.3	3.3	-3.3	4.7	-2.9	-1.9	-0.3	-1.1	-1.9	6.0	1.2	-13.6	Manufacture of grain mill products, starches and starch products
0.1	-2.6	-1.6	-1.3	2.9	-3.0	0.2	-1.2	-4.0	0.7	4.5	-3.6	Rice milling
-0.6	9.9	-5.0	11.9	-8.9	-0.5	-0.6	-1.4	0.3	11.0	-1.4	-24.3	Flour milling
-2.1	6.5	-3.7	0.2	-0.3	-3.9	-1.3	2.3	-1.5	9.8	-3.1	-8.3	Other industry
0.01	-1.2	1.6	-0.1	1.6	2.0	3.3	0.2	0.5	4.9	-3.9	-3.1	Manufacture of other food products
-0.6	1.1	3.2	-0.1	6.0	0.5	1.9	-0.9	1.7	1.3	-4.5	-3.6	Manufacture of biscuits and cookies
-2.6	3.9	2.7	-2.0	3.8	-0.2	2.6	-0.9	1.8	1.3	-4.1	1.4	Manufacture of bread, cakes and other bakery products
0.6	-4.1	-2.2	3.6	0.2	3.5	3.1	1.2	-0.2	6.4	0.2	-1.3	Manufacture of snack products
-9.2	1.1	8.7	-3.3	-1.2	4.3	4.1	3.2	-3.7	10.1	-9.8	7.1	Manufacture of sugar
-2.6	14.8	-10.1	-1.8	7.7	-0.5	0.6	-0.4	0.3	2.4	-1.3	-14.7	Manufacture of cocoa products
0.7	-9.5	0.4	-0.3	3.3	5.7	5.2	3.1	1.8	4.4	-6.8	-6.0	Manufacture of chocolate and chocolate products
19.3	-6.7	-4.0	3.5	-2.8	7.8	4.4	0.1	0.1	15.7	-7.0	3.7	Manufacture of sugar confectionery
-0.6	-1.5	6.4	0.9	1.0	2.0	5.6	0.0	-0.04	5.6	-2.4	-15.6	Manufacture of sauces and condiments
-2.9	-1.5	1.9	-0.4	-0.3	1.1	2.4	0.3	-0.6	4.8	-2.8	-2.3	Manufacture of other food products n.e.c.
-4.7	-2.9	4.2	-1.8	2.7	-1.7	1.2	1.4	3.1	8.0	-6.3	-9.1	Manufacture of prepared animal feeds
-0.2	1.6	-3.3	-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	Manufacture of beverages
-0.4	2.5	-2.1	-0.9	-1.4	-3.1	7.3	0.2	7.6	6.6	-8.1	-3.2	Manufacture of soft drinks
4.4	-0.5	-7.4	-0.3	0.6	7.0	6.1	0.8	-2.1	0.7	3.1	-3.2	Production of natural mineral waters and other bottled waters
-12.6	-1.2	-1.7	-0.6	2.5	17.4	9.5	-0.3	-0.02	12.4	0.7	1.6	Other industry
-3.6	-10.5	-1.3	-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	Manufacture of tobacco products
1.7	0.1	3.9	-1.2	1.4	2.2	0.7	-1.4	1.2	2.2	-2.1	-6.6	Spinning, weaving and finishing of textiles
5.0	1.6	5.6	-1.4	4.3	0.6	-0.05	-1.8	1.9	2.6	-1.5	-9.8	Preparation and spinning of textile fibres
-4.8	-2.1	-0.5	-1.2	-5.8	7.0	2.7	-0.2	-0.04	1.7	-4.0	0.1	Weaving of textiles
-0.8	-13.0	6.4	6.8	2.5	-1.5	-1.6	-2.2	-4.2	-4.4	0.6	13.3	Dyeing, bleaching, printing and finishing of yarns and fabrics
2.0	1.4	1.8	-1.3	-1.0	0.02	1.2	0.8	-0.4	0.5	0.2	-3.1	Manufacture of other textiles
-2.1	8.7	2.2	-0.3	-5.0	1.6	0.7	2.6	0.2	-1.4	-5.1	-5.9	Manufacture of knitted and crocheted fabrics
3.6	-1.1	1.7	-1.7	0.5	-0.6	1.4	0.1	-0.7	1.2	2.2	-2.1	Other industry
0.5	0.5	-0.9	-4.3	0.6	-1.2	4.1	-0.8	7.4	7.9	-3.4	-6.6	Manufacture of wearing apparel, except fur
-0.2	1.1	-1.3	-5.9	2.7	-2.5	4.1	-0.7	10.1	11.7	-3.1	-7.2	Manufacture of clothings
1.9	-0.8	-0.1	-1.0	-3.5	1.6	4.2	-1.0	1.9	-0.5	-4.0	-5.1	Other industry
2.8	2.7	0.8	-1.0	1.5	1.3	0.5	-1.3	2.3	-0.5	2.3	-2.0	Manufacture of articles of fur, knitted and crocheted apparel
1.0	0.6	0.2	-1.8	-1.3	-0.4	4.8	1.9	-2.4	6.6	-6.7	-2.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-1.5	-2.6	0.9	-1.9	-4.6	3.0	5.6	0.8	1.7	-0.02	2.1	0.15	Manufacture of footwear
-2.1	-2.6	0.5	-1.5	-6.0	1.1	5.3	0.5	-1.1	-0.4	0.3	1.0	Manufacture of leather footwear
-0.1	-2.8	1.8	-2.8	-1.1	7.3	6.5	1.5	7.6	0.7	5.8	-1.4	Manufacture of rubber footwear
-3.2	-1.8	-1.9	-1.0	5.0	-1.7	1.5	2.0	-0.8	-0.03	0.1	2.63	Other industry
												Sawmilling and planing 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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	0.4	-1.8	2.2	2.9	2.5	-1.6	2.1	2.4	0.3	0.4
16211	Pembuatan kepingan venier dan papan lapis	-4.8	-3.5	6.8	3.8	-3.7	-1.5	5.6	2.0	-6.2	2.3
16212	Pembuatan papan partikel dan papan gentian	8.4	0.3	-2.6	-0.01	10.8	-5.4	3.3	5.1	9.5	-0.8
16221	Pertukangan kayu untuk jurubina	6.4	-0.2	-0.4	2.8	11.9	0.2	-2.6	-3.4	7.3	-1.3
	Industri lain	2.8	-0.5	-3.1	2.8	2.8	-0.9	-2.5	9.5	3.2	-1.3
170	Pembuatan kertas dan produk kertas	1.2	-1.5	0.7	4.1	1.3	-4.5	0.6	4.4	-3.4	3.0
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.0	1.5	1.6	0.03	-12.3	-17.7	2.0	9.0	-13.5	12.6
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-1.7	2.6	3.1	4.0	2.6	-0.4	2.5	1.8	1.8	-1.6
17091	Pembuatan sampul surat dan kad surat	-8.8	-2.2	2.3	1.2	-3.0	-0.7	-2.7	7.5	-4.1	-1.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	12.4	-4.9	-2.8	3.8	15.5	-10.6	-4.9	8.5	-2.3	15.4
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-6.1	-11.4	-2.2	7.0	-6.8	-2.4	-0.9	0.2	-5.5	-1.2
	Industri lain	9.9	-0.8	-0.3	7.3	1.8	1.6	3.0	6.8	-8.7	-3.0
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	5.3	-1.3	-3.2	6.1	3.4	1.1	-2.8	3.6	0.8	-5.3
18110	Percetakan	4.8	0.2	-3.6	6.2	2.5	2.2	-3.2	4.2	-0.6	-5.0
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	8.4	-9.1	-0.7	5.5	8.0	-4.7	-0.5	0.1	8.7	-6.7
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.2	-15.4	8.5	8.3	8.2	-15.8	4.0	12.0	-4.7	-1.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.4	-1.5	2.6	0.6	6.3	-7.2	-3.5	1.5	1.0	-1.0
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	24.5	-0.1	5.0	-3.2	21.2	-8.7	12.0	4.3	6.4	20.6
20112 & 20113	Pembuatan kimia organik asas	5.4	-2.4	5.8	-0.1	5.7	-9.5	-6.6	1.8	2.2	-3.1
20121 & 20129	Pembuatan sebatian bukan organik	4.4	-7.3	-0.7	2.7	-1.5	-2.3	-6.7	-4.4	-4.9	-10.0
20131	Pembuatan produk campuran nitrogen	-3.8	1.5	-3.3	2.4	5.8	-2.7	-2.1	1.5	-1.9	-0.1
	Pembuatan plastik dalam bentuk primer	11.3	3.7	2.3	0.9	1.9	-14.4	-6.8	3.5	5.8	-7.9
	Industri lain										
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3.4	-7.3	0.4	4.5	3.1	-4.4	2.8	1.9	-7.8	2.5
20210	Pembuatan racun perosak dan produk agrokimia lain	18.1	-0.7	-8.0	4.5	11.8	14.0	-9.8	5.0	2.8	0.8
20221	Pembuatan cat, varnis dan penyadur dan mastik	14.0	-13.7	0.6	8.8	14.0	-4.8	5.6	0.2	-1.4	12.5
20222	Pembuatan dakwat cetak	-5.3	-7.3	-2.1	2.1	-6.2	-2.2	-1.0	-3.7	-7.7	-2.5
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap	5.5	-14.0	2.0	6.6	10.1	-7.4	2.0	-2.3	-10.1	11.8
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri										
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	-4.0	-0.1	2.3	2.1	-8.0	-7.7	9.5	8.3	-11.4	-9.8
20292 & 20299	Pembuatan dakwat menulis dan melukis										
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	5.6	6.1	-1.2	-5.9	4.0	-1.4	-15.8	-19.2	6.1	6.6
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-4.5	8.7	3.3	4.4	-10.7	4.6	3.5	5.4	-14.2	-5.5
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-6.1	8.9	2.3	7.0	-12.8	3.5	0.6	6.9	-17.0	-6.8
	Industri lain	1.8	8.0	6.9	-5.3	-2.1	8.8	13.7	0.7	-1.0	-0.2
221	Pembuatan produk getah	-6.4	13.3	2.5	-7.9	-6.0	6.3	7.4	-5.8	-5.6	2.1
22111	Pembuatan tayar getah untuk kenderaan	-7.0	19.8	7.0	-4.3	15.4	4.3	4.8	-4.9	22.3	-3.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	1.7	13.9	2.2	0.8	6.8	12.3	6.9	1.9	0.8	0.5
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	4.0	8.0	5.7	-6.0	-0.9	5.1	2.7	0.8	-6.2	1.0
22193	Pengilangan semula getah dan prosesan susu getah										
2024	Pembuatan sarung tangan getah	-12.2	19.0	1.4	-11.7	-13.9	10.5	10.7	-8.7	-12.1	6.5
22199	Pembuatan produk getah lain yang t.t.t.l.	1.1	-0.4	0.3	-1.0	-1.9	-2.8	4.8	-6.3	-3.9	-3.2
222	Pembuatan produk plastik	-0.7	8.9	0.0	0.3	-1.2	3.2	-2.5	1.7	-2.9	-2.9
22201	Pembuatan produk plastik separa siap										
22201 & 22202	Pembuatan produk plastik siap	-4.3	10.7	-0.4	4.7	-1.2	-1.3	-5.7	1.5	-3.9	0.8
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1.1	17.1	0.2	6.5	9.6	9.0	-9.1	-6.1	4.5	-7.6
22204	Pembuatan barangan plastik jurubina	4.9	4.9	-2.6	4.8	9.2	13.0	-10.4	0.8	0.5	-1.2
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	2.3	2.3	1.5	-4.7	-0.7	2.1	-0.7	-2.0	-2.0	1.2
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1.1	3.9	0.0	-7.4	-10.3	2.8	8.2	9.8	-8.0	-4.4
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	1.8	2.2	4.5	7.6	-4.7	-0.7	1.2	0.5	-4.1	-7.8

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-1.0	-0.8	0.7	-2.2	2.4	1.3	0.3	0.8	0.8	1.4	0.2	-2.0	Manufacture of products of wood, cork, straw and plaiting materials
-1.8	-1.4	2.1	-3.0	6.2	1.0	0.4	0.1	2.4	-0.9	0.6	-2.8	Manufacture of veneer sheets and plywood
-2.0	-0.6	-1.3	-7.2	6.1	5.2	-1.7	1.0	4.5	1.7	1.0	-0.6	Manufacture of particle board and fibreboard
-1.4	2.3	-1.5	1.0	-2.4	-0.2	-0.9	0.4	-4.6	-0.3	1.4	-0.9	Manufacture of builders' carpentry
2.8	-3.3	1.4	0.6	-5.1	0.9	3.6	3.2	-0.4	11.0	-3.1	-2.3	Other industry
-2.0	-3.8	-0.8	0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	Manufacture of paper and paper products
-7.2	-8.5	-13.8	0.8	4.3	2.6	2.0	7.3	-1.3	0.7	-0.2	6.2	Manufacture of pulp, paper and paperboard
-0.1	-1.1	2.0	-0.1	0.8	0.3	2.8	0.7	-1.3	-0.03	2.2	-1.96	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
2.4	-1.4	-0.1	-0.6	-3.2	-0.6	4.0	3.0	1.9	1.7	-1.8	-4.1	Manufacture of envelopes and letter-card
-4.7	-11.4	-0.9	0.3	-9.8	6.3	3.7	1.5	-3.6	14.6	-1.6	7.6	Manufacture of household and personal hygiene paper
-2.1	-1.2	0.04	1.7	-0.2	-3.0	0.7	1.7	-0.6	-1.4	-6.3	1.2	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.5	1.2	1.0	1.1	0.7	0.8	2.1	0.8	-0.1	12.9	-10.2	-2.4	Other industry
2.2	-0.3	3.4	-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	Printing, service activities related to printing and reproduction of recorded media
2.6	0.9	2.7	-1.6	-2.5	0.4	-2.6	0.8	3.5	7.9	-6.5	4.2	Printing
-0.1	-6.8	7.5	-0.7	-2.3	2.3	-4.8	1.5	-0.2	3.9	8.4	-2.8	Service activities related to printing
												Reproduction of recorded media
17.2	-24.6	-0.5	4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	Manufacture of refined petroleum products
8.0	-7.2	-9.0	4.4	-0.5	-3.2	-1.6	1.4	0.4	6.3	-4.4	-4.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
5.9	-17.1	-0.4	1.3	9.8	0.9	2.2	2.8	-0.1	-0.7	-10.9	-1.7	Manufacture of liquefied or compressed inorganic industrial or medical gases
5.9	-5.2	-14.6	9.1	-2.8	-4.9	-3.3	2.1	1.2	8.7	-15.5	-2.5	Manufacture of basic organic chemicals
												Manufacture of inorganic compounds
												Manufacture of fertilizers
12.1	-5.8	-0.2	-0.4	-3.6	-3.6	-1.4	-0.8	-2.4	0.3	3.0	-7.3	Manufacture of associated nitrogen products
13.7	-8.3	-3.1	-0.8	1.4	-2.4	-0.8	0.3	0.8	6.2	15.9	-5.6	Manufacture of plastics in primary forms
-4.3	1.2	-16.0	1.3	-4.7	3.2	2.8	1.0	-6.8	13.3	6.9	-8.9	Other industry
-1.5	-2.8	-2.4	0.4	3.1	0.9	-1.0	0.2	-1.5	9.7	-4.2	6.4	Manufacture of other chemical products and man-made fibres
23.6	-2.0	1.2	1.6	-4.7	-12.8	6.4	5.5	-1.9	4.1	0.6	1.2	Manufacture of pesticides and other agrochemical products
-12.6	1.9	-2.9	1.1	0.0	10.1	-2.6	-1.6	-3.3	8.3	0.7	16.8	Manufacture of paints, varnishes and similar coatings ink and mastics
3.5	-3.7	2.0	-3.5	2.3	-1.0	-2.6	-1.4	-0.2	-0.3	-8.9	2.9	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
-4.5	-5.6	-4.3	1.3	3.2	1.8	-5.0	-3.1	-2.0	15.6	-11.9	12.6	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-0.5	-2.2	-2.9	-0.04	8.2	2.2	2.3	3.0	-0.4	9.3	0.4	-1.3	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
-12.3	4.2	3.5	-3.1	4.8	-24.9	-9.2	-6.5	5.7	-2.8	0.9	5.3	Other industry
0.5	9.7	-4.9	0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	Manufacture of pharmaceuticals, medicinal chemical and botanical products
0.9	10.5	-7.2	0.8	0.8	3.8	-1.8	2.6	-3.8	20.8	-16.8	-7.9	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-0.6	7.1	3.7	-1.0	10.0	4.2	0.3	1.8	-3.1	-1.7	-8.5	0.2	Other industry
1.3	0.6	3.2	5.6	1.6	3.2	-3.7	-2.8	-0.7	-3.6	-1.3	-2.1	Manufacture of rubber products
-7.2	12.8	-1.0	-2.3	6.2	2.6	-3.4	-3.5	0.7	-1.4	0.3	-15.7	Manufacture of rubber tyres for vehicles
25.2	-5.5	4.2	-0.1	2.0	5.0	0.3	0.04	0.7	-1.5	0.1	-5.8	Manufacture of interchangeable tyre treads and retreading rubber tyres
7.7	1.7	-2.0	-1.7	4.3	-0.7	2.2	-0.7	-0.8	2.3	-1.4	-9.4	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
												Rubber remilling and latex processing
-3.0	0.3	8.7	11.9	-1.5	6.2	-6.7	-4.0	-0.3	-6.4	-2.1	3.6	Manufacture of rubber gloves
8.2	-6.1	-2.3	2.6	5.1	-1.1	-1.5	-2.0	-2.8	-3.8	-0.3	1.2	Manufacture of other rubber products n.e.c.
2.9	3.7	-0.4	-3.3	-0.6	0.6	0.1	0.2	0.8	2.1	-1.9	-2.3	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
-9.9	7.9	-0.5	-5.2	-5.1	4.9	-0.4	-0.6	1.4	-0.5	-2.0	0.6	Manufacture of finished plastic products
23.7	-1.4	0.7	-4.6	2.3	-12.0	-1.8	-2.1	0.1	4.2	1.5	-6.7	Manufacture of plastic articles for the packing of goods
9.9	1.3	11.0	-5.7	-1.8	-13.2	2.0	1.6	-1.5	11.6	0.6	-9.2	Manufacture of builders' plastics ware
2.1	0.4	-0.5	0.7	-3.7	5.1	-1.9	0.9	-6.3	3.0	0.8	1.5	Manufacture of plastic tableware, kitchenware and toilet articles
1.0	5.3	-2.1	-0.5	2.6	8.3	2.7	2.7	2.3	2.4	-5.0	-2.1	Manufacture of diverse plastic products n.e.c.
-0.8	0.6	3.6	-1.2	-0.1	-0.3	3.4	-2.0	-2.1	5.5	-3.8	-2.3	Manufacture of glass and glass products

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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	0.1	2.0	-0.4	2.0	-3.4	2.0	2.1	5.2	-2.9	-4.4
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-12.9	5.3	1.6	2.3	-7.5	7.1	1.9	3.2	-12.3	-4.1
23930	Pembuatan produk porselin dan seramik lain	8.9	-1.6	-2.2	-2.0	-10.0	-5.0	4.6	0.3	8.4	-23.6
23941	Pembuatan simen hidrolik	-1.6	0.3	-2.5	3.7	3.6	2.3	-2.7	0.1	2.2	-7.0
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	2.8	2.2	1.0	-1.2	-5.2	-1.3	2.6	4.2	-3.9	-2.2
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	0.0	1.1	0.2	1.2	-1.6	3.5	3.3	4.3	3.1	-5.7
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.3	-0.3	-0.8	8.3	-1.0	0.1	3.6	12.0	-9.9	2.3
	Industri lain	5.1	8.4	-3.7	2.9	-7.8	4.4	-1.9	6.9	-9.7	-2.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	6.7	-4.7	-5.7	6.9	5.7	-5.5	-4.5	5.4	-0.3	-3.9
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.6	-7.9	0.1	6.5	9.9	-7.9	-4.4	5.0	3.5	2.9
243	Pengacuan logam	1.0	-5.6	1.4	3.0	-2.3	-3.9	-3.6	5.2	-0.4	-7.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-0.3	-2.7	0.2	4.9	1.9	-0.9	0.4	1.6	-0.1	-0.8
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-1.2	-4.2	-1.1	7.6	3.6	-1.0	-1.0	-1.9	-1.0	-0.4
25120	Pembuatan produk struktur logam lain										
	Pembuatan tangki, takungan dan kontena daripada logam	-0.3	-1.4	2.5	1.0	-0.7	-0.3	2.5	6.3	0.4	-0.5
	Industri lain	3.4	-0.3	-1.9	6.3	2.0	-2.7	-0.2	2.6	2.5	-3.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.5	-4.4	-0.6	4.8	4.6	-4.2	1.1	7.0	-0.4	1.3
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.4	-3.1	-3.1	3.4	-2.2	-3.4	3.1	6.8	-7.3	-2.2
25920	Rawatan dan penyalutan logam; menggunakan mesin	3.3	-1.8	-7.1	4.4	1.9	-3.6	-7.4	2.7	-5.1	2.2
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-5.6	-2.3	8.4	14.6	-1.3	-4.8	8.2	12.8	-3.2	-1.4
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1.5	-7.9	3.2	5.1	5.2	-1.4	1.2	7.6	-1.4	4.9
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-0.9	5.5	1.7	-6.3	0.7	-1.3	6.4	0.9	-0.5	-1.0
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	6.5	-1.4	-1.7	1.3	12.3	-8.5	-0.9	5.0	11.3	-2.2
	Industri lain	-13.3	-19.7	-8.9	6.0	15.9	-0.1	3.7	10.4	-5.7	22.0
261	Pembuatan komponen dan papan elektronik	4.1	-5.0	-3.4	7.1	3.2	-3.4	-7.5	6.6	-7.8	4.6
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.6	-2.7	-4.1	5.4	2.9	-2.7	-4.3	3.6	-7.7	3.0
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	8.6	-10.0	-1.3	11.1	3.6	-5.0	-13.4	13.0	-8.6	8.1
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	9.9	-1.5	-6.6	2.5	5.3	0.1	-11.5	7.4	-1.4	0.1
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-1.6	-0.3	-0.9	7.5	-5.1	-0.3	2.9	8.6	-13.3	3.1
263/ 26300	Pembuatan peralatan komunikasi	6.4	1.1	-4.6	13.0	-0.2	-6.3	-9.9	10.3	-1.1	-3.1
264/ 26400	Pembuatan peralatan elektronik pengguna	5.4	-0.7	4.9	-0.2	-3.9	-5.5	8.9	6.3	-0.4	-7.3
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	10.9	11.9	8.8	12.2	-11.6	20.0	3.9	2.4	-22.3	4.0
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	11.7	13.6	9.1	12.8	-12.6	22.2	3.4	2.8	-23.7	4.7
26520	Pembuatan kelengkapan kawalan proses perindustrian										
	Pembuatan jam tangan dan jam dan bahagiannya	3.1	-6.2	5.6	4.8	2.7	-6.6	10.8	-2.9	-1.5	-4.6
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.9	4.2	-1.4	1.9	2.3	1.3	-13.0	2.2	-7.7	4.8

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
2.3	-0.2	3.5	-0.2	-0.4	0.4	3.6	0.3	2.0	2.8	-3.6	-3.5	Manufacture of non-metallic mineral products
												Manufacture of refractory mortars and concretes
7.6	-0.7	4.8	2.8	-3.0	1.9	0.9	-0.1	-2.9	12.5	-4.2	-0.1	Manufacture of non-refractory ceramic
-0.4	-0.2	8.7	-1.5	1.0	2.2	0.8	-2.4	0.6	3.5	-12.0	1.6	Manufacture of other porcelain and ceramic products
-0.4	1.4	6.8	-2.5	-1.4	-4.6	4.1	-4.3	1.2	7.9	1.5	-20.6	Manufacture of hydraulic cement
-0.8	-0.8	0.9	0.7	-0.2	0.2	5.4	-1.1	1.1	3.0	0.2	-2.4	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	0.3	4.0	-0.6	2.8	-2.0	3.0	0.5	6.0	-4.4	-1.6	-5.1	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.
-0.3	-6.2	10.1	-1.4	-4.9	7.7	4.0	3.6	-0.4	9.4	-9.1	2.1	Manufacture of other non-metallic mineral products n.e.c.
4.7	6.9	-7.2	1.4	-2.4	0.9	4.7	2.3	-1.5	6.4	-7.7	-0.1	Other industry
0.6	-3.2	-0.3	-3.7	-3.0	0.6	1.9	-0.8	0.3	13.5	1.3	-8.1	Manufacture of basic iron and steel
-4.5	-5.6	0.9	-2.7	-1.8	-2.9	2.3	1.1	0.5	8.8	5.0	3.7	Manufacture of basic precious and other non-ferrous metals
0.6	-0.5	-2.3	1.3	-5.9	2.0	2.9	2.1	-2.1	5.8	3.8	-1.9	Casting of metals
1.1	-2.3	2.4	-1.9	1.1	-0.4	-0.2	-0.9	0.4	7.7	3.6	-4.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
												Manufacture of metal doors, windows and their frames, shutters and gates
2.5	-3.6	2.9	-2.2	0.8	-1.1	-1.4	-1.4	-0.5	3.5	4.9	-9.5	Manufacture of other structural metal products
-1.3	-0.2	2.3	-1.6	2.4	-0.2	1.6	-1.2	1.7	15.9	2.8	-0.4	Manufacture of tanks, reservoirs and containers of metal
2.0	-2.5	0.3	-1.2	-1.1	2.7	-0.3	2.0	0.2	-0.5	0.2	7.1	Other industry
-2.0	-4.0	2.0	-1.9	-0.5	1.8	2.9	1.5	0.2	8.0	-1.1	-0.3	Manufacture of other fabricated metal products; metal working service activities
-2.3	-0.4	1.1	-4.4	3.1	3.4	1.3	0.8	-0.6	13.0	-8.6	-2.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-4.7	-0.7	-0.9	0.3	-0.9	-9.4	-0.3	-0.9	-1.1	24.7	-5.4	2.7	Treatment and coating of metals; machining
-2.9	-4.2	3.3	-1.2	0.2	8.5	5.6	1.5	7.4	-1.4	0.3	-0.3	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
-0.8	-5.6	6.0	-1.6	-0.7	0.01	3.2	3.2	-0.6	7.6	2.0	3.0	Manufacture of bolts, screws, nuts and similar threaded products
-0.2	-0.2	-0.7	-0.7	7.4	-0.8	0.8	-0.01	-0.5	3.1	1.4	2.5	Manufacture of metal household articles
-1.3	-7.2	1.3	-1.9	-3.6	3.9	3.1	1.7	-2.2	4.2	3.7	-2.1	Manufacture of any other fabricated metal products n.e.c.
-1.9	0.02	-7.0	-1.1	-0.3	7.6	6.5	0.3	0.9	7.8	-6.8	-12.4	Other industry
-2.7	-2.5	0.05	-1.6	-8.5	1.6	3.3	-0.4	-0.5	13.5	-9.6	0.3	Manufacture of electronic components and boards
1.1	-2.4	-3.3	0.7	-5.2	2.0	0.9	-0.7	-2.4	14.0	-9.2	1.4	Manufacture of diodes, transistors and similar semiconductor devices
												Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
-10.3	-2.8	7.1	-6.3	-15.4	3.0	7.7	-0.3	3.8	12.7	-11.9	-1.2	Manufacture of printed circuit boards
												Manufacture of display components
2.0	-1.2	-0.7	1.1	-6.3	-13.2	9.9	3.9	-2.9	12.2	3.0	-5.2	Manufacture of other components for electronic applications
-8.7	4.8	5.3	-9.9	6.3	-0.2	6.5	-1.4	-0.1	17.6	-13.1	-0.5	Manufacture of computers and peripheral equipment
0.8	-4.5	-4.5	4.9	-16.1	10.6	-4.0	-0.9	21.1	-8.2	-1.5	3.9	Manufacture of communication equipment
7.1	-9.6	2.5	2.4	-1.1	7.1	8.0	-0.4	-0.3	-1.6	0.5	-14.8	Manufacture of consumer electronics
6.5	4.4	9.2	7.4	-3.9	-0.5	1.7	-0.8	-0.1	6.9	-12.2	8.1	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
7.1	5.1	9.9	8.0	-4.9	-0.3	1.8	-0.9	0.1	7.5	-13.1	8.7	Manufacture of industrial process control equipment
0.03	-4.0	-0.6	-2.4	14.8	-2.8	0.4	0.4	-3.1	-1.7	4.6	-0.6	Manufacture of watches and clocks and parts
-3.0	5.6	-4.5	-1.9	-8.6	-3.1	-0.2	-0.3	-1.9	15.3	1.3	4.3	Manufacture of irradiation, electromedical and electrotherapeutic equipment

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	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	18.3	8.0	-4.3	-0.8	0.6	-2.3	0.7	6.5	-9.7	-2.3
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-5.1	-12.0	8.4	1.2	1.8	-7.0	3.1	0.1	-1.7	-6.5
27101	Pembuatan motor elektrik, penjana dan transformer	-7.6	4.4	4.7	-2.5	-3.9	2.5	6.1	3.1	4.8	-12.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-3.7	-20.6	11.0	3.6	5.2	-12.3	1.2	-2.0	-5.3	-3.0
272/ 27200	Pembuatan bateri dan akumulator	1.2	-3.0	6.7	6.1	4.6	-2.4	7.0	1.4	-2.7	6.9
273	Pembuatan pendawaian dan peranti pendawaian	0.5	0.1	6.9	0.8	-5.4	-3.4	1.7	-9.5	-4.8	-0.7
27310	Pembuatan kabel gentian optikal	-26.4	0.5	20.4	10.1	-16.0	13.9	3.9	-1.6	-22.4	1.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	3.1	0.4	6.1	0.5	-4.3	-4.9	1.4	-10.4	-3.5	-0.8
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	6.2	-8.3	0.9	-10.7	-11.2	-1.4	4.1	-4.6	10.0	-0.2
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1.0	-10.4	16.0	3.2	-8.0	-11.2	21.4	4.1	-6.3	-3.6
275/ 27500	Pembuatan perkakasan domestik	6.3	-4.3	-11.3	-15.5	5.8	4.2	8.5	-8.2	1.9	4.8
279/ 27900	Pembuatan kelengkapan elektrik lain	6.6	1.8	9.6	15.9	0.7	-10.9	3.3	9.3	-6.3	-3.9
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	1.0	-4.7	1.2	6.1	-0.1	-6.0	0.4	5.0	-4.4	-2.1
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-7.5	-0.7	4.5	8.9	-10.1	4.4	2.5	6.1	-20.3	-1.5
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-8.4	-3.6	3.8	5.8	-8.5	-0.5	1.8	4.4	-8.9	-4.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	4.4	-4.6	9.7	7.2	-8.4	-18.4	-2.7	4.7	-19.8	5.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	3.5	-13.5	-8.6	10.9	8.9	-5.2	-12.3	0.5	-0.5	0.9
	Industri lain	5.7	-3.3	-1.0	4.2	7.2	-5.7	3.9	6.3	6.9	-4.6
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-0.6	1.7	-3.3	5.1	-8.5	1.3	1.8	3.2	-15.3	0.6
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	2.4	12.5	2.6	3.4	5.1	-4.5	10.8	7.9	4.6	-0.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.6	0.5	-4.0	5.3	-1.2	7.0	-5.4	4.0	-8.6	3.1
301 (30110 & 30120)	Pembinaan kapal dan bot	10.3	-5.6	-4.1	1.7	11.6	-1.3	1.3	8.7	2.6	1.7
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.	5.5	1.7	-2.1	-0.3	3.1	-0.8	-4.4	1.5	1.5	2.1
30910	Pembuatan motosikal	7.1	3.6	-3.6	-4.3	4.1	1.1	-2.2	2.2	3.3	3.7
30920	Pembuatan basikal dan <i>invalid carriages</i>	0.2	-2.1	1.5	6.5	-2.3	-5.2	-20.2	-6.7	-6.4	0.7
	Industri lain	4.7	-1.1	-0.4	6.3	3.8	-2.7	-1.2	3.4	1.8	-0.6
310	Pembuatan perabot	2.2	-4.4	-1.0	4.0	5.5	-4.0	0.7	4.4	5.6	-3.3
31001	Pembuatan perabot kayu dan rotan	3.2	-4.6	0.7	4.5	6.5	-2.8	0.6	4.1	7.0	-3.8
	Industri lain	-1.2	-3.8	-7.3	2.1	1.3	-9.0	1.5	5.4	-0.1	-0.9
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	1.4	-7.5	-1.0	11.4	-2.8	-9.8	1.6	10.3	-15.4	-5.0
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	0.9	-2.8	1.9	-0.4	-2.1	0.4	2.8	5.0	-2.8	-1.2
32901	Pembuatan alat tulis	1.4	-1.1	-1.7	-4.3	0.4	-2.9	8.1	-4.8	-3.8	5.6
	Industri lain	0.8	-3.2	3.0	0.6	-2.8	1.3	1.4	7.6	-2.5	-2.9
323/ 32300	Pembuatan barangan sukan	-0.1	-4.2	-0.3	8.5	1.5	-7.2	-10.9	-0.1	-0.9	5.5
324/ 32400	Pembuatan permainan dan mainan	-12.6	0.3	16.2	2.6	-1.8	4.0	0.3	1.8	-12.4	-0.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1.0	-0.9	-5.8	9.8	4.8	-0.9	-4.8	4.8	0.3	0.9
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	3.1	-1.6	-7.3	20.0	6.2	-5.0	-9.3	25.6	-4.5	6.0
	Industri lain	0.5	-0.7	-5.4	7.3	4.4	0.2	-3.6	-0.5	1.7	-0.6
Jumlah Pembuatan		1.4	-0.8	0.2	4.1	0.8	-1.4	-0.4	4.0	-4.4	-0.2

2024												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
11.3	-8.1	-2.9	5.6	-4.5	2.1	3.8	0.4	0.8	6.5	-4.1	3.6	Manufacture of optical instruments, photographic equipment, magnetic and optical media
2.4	-9.3	4.8	0.3	2.5	-1.2	-1.1	-2.1	-2.4	15.2	-2.8	-4.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-1.7	3.5	5.1	3.9	-2.4	5.0	2.7	0.4	-2.3	2.3	5.5	-11.4	Manufacture of electric motors, generators and transformers
4.6	-16.0	4.6	-2.0	5.8	-5.0	-3.7	-4.0	-2.4	25.2	-8.1	0.8	Manufacture of electricity distribution and control apparatus
-3.1	-6.0	10.2	-8.5	8.0	1.6	2.2	-0.01	-0.4	-1.0	-6.5	13.5	Manufacture of batteries and accumulators
-5.1	-6.1	6.6	6.7	-4.8	1.7	-2.4	-4.1	-5.0	-3.8	0.9	-2.8	Manufacture of wiring and wiring devices
-2.3	3.3	17.1	0.5	-1.6	-0.5	1.7	2.1	-12.0	12.2	-13.5	0.3	Manufacture of fibre optic cables
-5.4	-6.7	5.3	7.5	-5.1	1.8	-2.8	-4.8	-4.4	-5.5	2.2	-3.4	Manufacture of other electronic and electric wires and cables
-2.5	-10.1	17.6	-0.3	-4.1	6.4	-2.4	-3.7	-1.2	-1.4	13.7	6.0	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
-15.5	-5.3	6.5	6.3	9.8	7.2	-2.1	-2.6	-3.4	25.3	-8.8	-3.4	Manufacture of electric lighting equipment
-1.4	-20.1	44.6	-0.3	-1.8	1.7	-5.4	-5.2	-1.0	1.7	-3.4	0.3	Manufacture of domestic appliances
-5.4	-10.7	3.8	7.1	-5.0	2.1	3.9	4.4	-6.2	17.5	-0.8	-12.8	Manufacture of other electrical equipment
-3.6	-2.1	-0.7	-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	Manufacture of general-purpose and special-purpose machinery
1.5	2.2	2.5	-0.1	0.1	2.6	-0.3	0.3	-5.1	27.0	-45.6	-2.4	Manufacture of fluid power equipment
4.3	-3.7	2.3	1.2	-1.5	2.3	0.8	-0.9	2.5	6.8	-9.6	1.1	Manufacture of other pumps, compressors, taps and valves
-3.6	-16.8	-1.0	-1.6	-0.4	-1.9	1.0	0.8	1.2	9.3	5.8	9.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-10.2	2.4	-1.2	0.3	-1.3	-17.4	2.4	3.9	-1.7	9.3	5.9	-7.7	Manufacture of metal-forming machinery and machine tools
-5.8	2.1	-2.4	-2.2	-0.4	9.6	1.0	1.2	-1.2	6.2	2.6	-4.7	Manufacture of air-conditioning machines, including for motor vehicles
-7.9	5.2	2.0	0.9	-1.2	3.5	-1.6	0.1	-1.3	11.7	-12.0	-0.6	Manufacture of other special-purpose machinery
-8.7	0.6	2.6	-1.6	1.7	11.1	4.9	-0.6	-0.3	5.8	-5.1	-0.2	Other industry
1.6	3.8	1.7	-0.2	-4.7	-1.9	0.2	1.0	0.2	9.9	-9.9	2.3	Manufacture of motor vehicles
19.2	-14.9	4.6	-0.5	-2.0	2.0	2.4	0.9	7.6	0.9	2.8	-3.9	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
0.9	-0.9	0.5	-4.6	0.01	-3.8	3.2	2.5	-3.8	2.4	-0.3	2.6	Manufacture of parts and accessories for motor vehicles
0.9	1.1	-0.4	-4.7	-1.8	2.1	5.0	2.5	-7.4	2.7	0.9	-0.9	Building of ships and boats
2.1	-4.4	-1.7	-3.9	-1.2	-25.2	1.0	-2.9	9.3	0.01	-4.7	0.21	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
0.3	-3.7	3.9	-4.5	5.2	-6.4	-0.4	4.7	0.3	2.9	-1.2	11.9	Manufacture of motorcycles
-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.0	-3.1	Manufacture of bicycles and invalid carriages
-0.7	-3.7	6.1	-3.9	-0.5	0.8	3.5	-0.4	0.2	5.4	-0.1	-3.3	Other industry
-0.5	-0.4	-10.6	-3.3	6.4	0.4	3.5	2.0	1.0	0.6	0.2	-2.3	Manufacture of furniture
2.9	-2.0	-7.9	-9.0	11.0	-0.8	2.9	1.1	9.4	3.2	-9.1	4.4	Manufacture of wooden and cane furniture
-3.2	-0.9	7.3	-2.4	-0.2	2.9	1.1	0.6	-0.3	8.5	-6.8	0.8	Other industry
-2.4	-6.0	5.5	-1.4	4.1	7.6	-5.7	-3.1	-2.1	3.7	-0.6	0.0	Manufacture of jewellery, bijouterie and related articles
-3.4	0.5	7.8	-2.7	-1.3	1.6	3.0	1.6	0.2	9.7	-8.2	0.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
0.2	-8.8	4.6	-9.0	6.3	-15.9	-5.3	15.1	-5.3	-2.3	5.2	-3.0	Manufacture of stationery
6.6	-7.1	8.8	4.3	-9.0	6.1	0.8	-3.3	-7.3	24.8	-30.4	-0.2	Other industry
-0.3	1.8	-2.4	-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	Manufacture of sports goods
-4.1	-1.2	-3.2	-2.6	-8.0	1.5	1.3	3.7	18.3	18.2	-19.3	9.3	Manufacture of games and toys
0.9	2.6	-2.1	-4.0	0.3	-0.8	-0.1	-0.3	-0.1	0.7	3.5	-1.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	Repair and maintenance of transport equipment except motorcycles and bicycles
												Other industry
0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	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	2023			
				Jan.	Feb.	Mac	Apr.
Ikan tin Canned fish	Tan Tonne	5,751	5,748	488	500	572	495
Ikan segar sejuk beku Frozen fish	Tan Tonne	15,551	19,660	1,226	1,337	1,392	1,395
Bebola ikan Fish ball	Tan Tonne	7,609	7,794	535	439	546	659
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	6,613	7,063	512	532	606	568
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	15,676	17,266	1,454	1,501	1,605	1,543
Jem (semua jenis) Jams (all types)	Tan Tonne	10,381	11,851	845	1,051	1,125	758
Minyak kelapa mentah Coconut (copra) oil and its fraction crude	Tan Tonne	19,293	18,795	1,764	1,851	1,874	1,694
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	77,053	73,933	6,742	4,833	4,578	5,927
Lemak doh/shortening Dough fats/shortening	Tan Tonne	168,717	158,613	13,952	14,046	11,907	12,140
Marjerin Margerine	Tan Tonne	64,079	73,536	6,420	6,340	5,231	5,455
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	449,191	481,565	31,903	39,165	50,943	41,344
Susu pekat manis Sweetened condensed milk	Tan Tonne	431,843	469,591	34,290	32,032	33,185	32,398
Minuman susu Milk drinks	Liter ('000) Litres ('000)	90,600	120,976	7,392	7,815	7,351	7,559
Beras Whole rice	Tan Tonne	756,333	683,766	52,499	75,233	73,227	56,227
Beras hancur Broken rice	Tan Tonne	83,440	102,686	7,044	9,205	10,056	8,589
Tepung gandum Wheat flour	Tan Tonne	1,003,321	1,003,698	85,194	80,665	77,355	69,774
Roti dan kek Bread and cakes	Tan Tonne	483,325	599,866	46,706	57,507	50,801	46,250
Mee dan bihun Mee and bihun	Tan Tonne	271,986	260,710	25,519	27,765	24,975	22,304
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	81,282	93,755	8,963	8,892	7,094	7,257
Kelapa kering Desiccated coconuts	Tan Tonne	4,968	4,646	356	402	456	490
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,076,296	2,386,374	204,045	172,901	185,917	199,776
Hidangan ikan Fish meals	Tan Tonne	131,999	106,406	10,446	10,098	11,790	13,526
Biskut Biscuits	Tan Tonne	148,395	124,962	11,277	12,190	12,653	10,471
Gula bertapis Refined sugar	Tan Tonne	1,725,619	1,981,898	145,457	154,114	169,973	179,867
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	255,335	357,856	23,795	25,078	26,245	28,616

2024									
Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
498	497	454	473	462	441	422	446	567	487
1,465	1,601	1,850	1,803	1,783	2,096	1,800	1,914	1,631	1,412
751	750	732	728	725	756	606	567	668	516
622	723	605	604	604	677	509	502	504	398
1,468	1,433	1,211	1,381	1,401	1,422	1,456	1,391	1,666	1,626
994	1,129	1,058	1,040	999	948	941	962	1,044	675
1,534	1,347	1,452	1,386	1,524	1,510	1,462	1,397	1,769	1,800
6,469	6,385	7,328	6,950	7,412	7,159	5,080	5,071	5,652	4,005
11,815	12,823	12,757	13,017	13,524	14,566	14,449	13,617	13,488	11,799
5,076	6,226	6,424	6,707	6,490	7,258	6,380	5,529	6,562	7,018
40,776	36,215	33,837	33,729	40,055	43,327	42,980	47,291	46,502	38,326
37,643	44,054	51,633	44,616	45,341	39,115	36,164	39,118	39,248	39,708
8,696	10,086	12,117	11,923	12,666	12,224	12,260	10,887	10,958	9,516
58,584	50,174	51,666	50,109	64,642	52,051	49,452	49,901	47,524	53,086
10,643	8,663	9,412	8,246	8,253	7,252	7,443	7,880	7,803	7,577
78,311	77,293	80,987	89,958	89,306	88,539	96,778	89,540	88,728	90,120
49,754	53,949	60,276	50,333	47,111	46,071	49,337	41,773	46,866	74,165
20,393	18,568	19,258	18,613	20,594	19,775	21,985	20,962	23,469	24,119
5,803	7,115	7,630	8,228	8,359	8,189	8,088	8,136	9,773	9,247
466	434	360	329	352	386	332	283	281	285
187,501	171,765	198,292	209,858	200,231	207,465	216,561	232,064	216,342	175,096
10,074	7,413	7,502	8,099	7,511	6,902	6,865	6,180	6,922	6,888
10,765	9,412	8,173	8,475	8,984	11,140	10,517	10,905	11,728	12,730
167,322	164,979	171,212	156,720	164,787	167,954	159,152	180,360	167,446	155,467
29,377	30,923	31,143	31,421	31,463	31,577	30,400	37,818	38,301	32,522

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	2023			
				Jan.	Feb.	Mac	Apr.
Minuman manis tidak berkarbonat Sweet beverages (non-carbonated)	Liter ('000) Litres ('000)	2,077,269	2,025,653	178,192	188,186	192,169	192,361
Air mineral dan minuman Mineral and drinking water	Liter ('000) Litres ('000)	643,820	709,585	37,284	52,130	44,817	47,685
Kain kapas Cotton cloth	Meter ('000) Metres ('000)	61,170	41,668	3,373	3,278	3,028	3,418
Seluar lelaki Pants, males	Bilangan ('000) Number ('000)	3,842	2,433	328	342	357	360
Kemeja lelaki Shirts, males	Bilangan ('000) Number ('000)	14,032	15,444	1,405	1,247	1,090	1,181
Blaus Blouses	Bilangan ('000) Number ('000)	4,341	3,297	295	310	311	338
Pakaian perempuan Dresses	Bilangan ('000) Number ('000)	2,353	2,270	171	182	204	229
Kasut getah (semua jenis) Rubber footwear (all types)	Pasang ('000) Pairs ('000)	2,062	1,835	164	169	175	208
Kiln kayu kering Kiln dried timber	Tan Tonne	151,050	138,378	11,006	11,062	12,827	12,994
Kayu gergaji Rubberwood (sawn)	Tan Tonne	165,191	122,365	10,639	12,211	9,268	10,352
Kepingan venir Veneer sheets	Meter Padu Cubic metre	338,186	284,746	23,817	27,994	32,305	32,578
Papan gentian berkepadatan sederhana Medium density fibreboard	Meter Padu Cubic metre	2,143,469	2,622,634	201,203	235,274	200,086	184,479
Papan lapis Plywood	Meter Padu Cubic metre	3,956,588	4,365,151	233,036	317,336	358,212	315,158
Ukiran kayu Timber moulding	Meter Padu Cubic metre	45,564	46,997	3,328	3,286	3,973	4,575
Kayu balak siap Dressed timber	Meter Padu Cubic metre	7,617	6,343	852	709	680	784
Rak dan beg kertas Sacks and bags of paper	Bilangan ('000) Number ('000)	372,939	331,989	33,310	32,482	30,427	27,986
Kertas tisu Tissue paper	Tan Tonne	95,013	85,245	6,917	6,858	7,042	7,570
Kertas napkin Napkin paper	Tan Tonne	3,831	2,111	171	199	260	258
Kertas tandas Toilet paper	Tan Tonne	67,708	46,047	4,000	4,495	4,895	4,494
Minyak tanah Kerosene	Tan Tonne	3,157,887	3,275,428	274,589	207,240	316,930	305,623
Gas petroleum cecair Liquefied petroleum gas	Tan Tonne	2,677,740	2,524,079	228,283	226,457	215,490	232,599
Minyak bahan api Fuel oil	Tan Tonne	1,990,382	1,935,352	183,132	110,218	144,543	132,926
Minyak diesel/gas Diesel/ gas oil	Tan Tonne	15,412,400	16,187,264	1,424,840	1,543,133	1,772,586	811,203
Gasolin (spirit motor) Gasoline (motor spirit)	Tan Tonne	6,466,006	4,639,314	335,806	396,975	426,631	404,507
Minyak pelincir campuran Blended lubricating oil	Tan Tonne	144,668	186,354	12,511	11,557	12,410	12,168
Nafta Naptha	Tan Tonne	3,258,599	2,974,988	271,062	248,478	218,498	273,287

2024									
Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
172,234	146,375	150,214	154,858	155,300	161,386	164,059	170,320	175,017	153,946
60,080	60,220	67,817	69,401	81,544	69,223	64,516	54,870	45,346	52,690
3,430	3,275	2,949	3,245	3,323	3,719	4,604	4,025	4,101	5,339
283	125	101	101	124	132	102	79	100	95
1,305	1,367	1,425	1,294	1,180	1,369	1,349	1,230	1,442	1,269
311	305	292	255	241	215	215	208	290	277
196	203	202	204	187	177	167	148	155	151
142	133	124	114	135	179	159	133	120	121
10,548	11,362	14,403	12,517	13,063	10,158	10,016	8,422	7,802	7,162
9,678	9,024	9,828	9,252	10,871	14,158	9,486	7,598	9,522	10,698
28,378	24,596	20,735	21,600	20,446	21,385	17,294	13,618	16,941	19,245
118,195	119,393	175,173	273,432	249,702	270,590	297,108	297,999	242,756	287,791
393,850	397,296	380,932	386,102	364,623	400,666	417,093	400,847	414,852	461,286
4,493	3,220	3,087	3,923	3,954	4,696	4,575	3,887	3,118	3,343
623	389	310	319	362	399	379	537	808	723
26,999	25,885	24,416	26,382	26,263	25,534	26,713	25,592	26,400	28,551
7,328	7,444	7,421	7,380	6,659	5,981	7,484	7,160	6,954	6,522
264	229	193	155	119	91	86	87	95	99
4,308	4,055	4,302	3,236	2,800	2,804	3,508	3,150	3,094	3,406
314,510	388,860	192,840	225,382	282,831	250,123	258,425	258,076	253,995	190,453
258,426	236,276	188,737	209,913	206,687	192,568	199,499	129,144	136,970	222,607
150,716	193,969	153,195	209,673	195,261	161,661	145,775	154,283	153,465	131,820
1,065,404	1,193,439	1,107,947	1,415,154	1,485,982	1,374,917	1,531,166	1,461,492	1,312,278	1,419,683
527,974	394,997	378,221	444,439	446,331	390,039	250,727	242,667	215,923	253,667
14,624	14,518	14,212	18,958	18,900	18,920	19,402	18,174	16,928	15,949
283,120	380,488	205,252	222,786	215,250	199,641	295,999	161,127	172,666	242,018

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	2023			
				Jan.	Feb.	Mac	Apr.
Gas asli cecair <i>Liquefied natural gas</i>	Tan <i>Tonne</i>	31,283,443	31,279,579	2,751,277	2,594,258	3,044,181	1,987,056
Nitrogen dan oksigen <i>Nitrogen and oxygen</i>	Meter padu ('000) <i>Cubic metre ('000)</i>	610,924	526,966	47,260	48,817	54,618	48,975
Methanol (methyl alcohol) <i>Methanol (methyl alcohol)</i>	Tan <i>Tonne</i>	4,364,885	5,090,653	374,694	407,881	403,658	320,412
Baja (termasuk urea) <i>Fertilizers (includes urea)</i>	Tonne <i>Tonne</i>	7,584,494	5,906,343	655,340	452,398	398,842	358,670
Sebatian P.V.C <i>P.V.C. compound</i>	Tan <i>Tonne</i>	71,331	56,303	5,438	6,038	6,056	5,441
Racun serangga aerosol (cecair) <i>Aerosol insecticides (liquid)</i>	Liter <i>Litres</i>	6,083,228	5,163,308	418,120	411,624	384,343	389,137
Racun herba (cecair) <i>Herbicides (liquid)</i>	Liter ('000) <i>Litres ('000)</i>	97,264	91,732	8,996	8,614	8,911	8,927
Racun herba (bukan cecair) <i>Herbicides (non-liquid)</i>	Tonne <i>Tonne</i>	91,308	57,643	4,845	4,864	5,530	5,460
Cat emulsi <i>Emulsion paints</i>	Liter ('000) <i>Litres ('000)</i>	58,557	69,896	6,733	6,803	6,007	4,626
Cat lapis <i>Under-coats</i>	Liter ('000) <i>Litres ('000)</i>	17,875	13,019	1,518	1,598	1,430	1,197
Cat asas <i>Primers</i>	Liter ('000) <i>Litres ('000)</i>	18,342	21,342	1,508	1,799	1,424	1,064
Dakwat pencetak <i>Printing ink</i>	Tan <i>Tonne</i>	21,967	21,012	2,266	1,675	1,675	1,619
Pelembut fabrik <i>Fabric softener</i>	Liter ('000) <i>Litres ('000)</i>	31,289	29,439	2,594	2,605	2,569	2,158
Sabun mandi <i>Toilet soap</i>	Tan <i>Tonne</i>	15,469	14,935	1,380	1,413	1,388	1,026
Sabun serbuk (bahan pencuci) <i>Soap powder (detergents)</i>	Tan <i>Tonne</i>	97,339	77,816	6,291	6,243	6,683	5,394
Pelekat perindustrian <i>Adhesive, industrial</i>	Liter ('000) <i>Litres ('000)</i>	156,135	166,252	13,228	14,684	12,898	13,911
Tayar pneumatik (semua jenis) <i>Pneumatic tyres (all types)</i>	Bilangan ('000) <i>Number ('000)</i>	6,775	4,753	507	514	445	343
Tiub dalam (semua jenis) <i>Inner tubes (all types)</i>	Bilangan ('000) <i>Number ('000)</i>	1,124	788	93	90	64	52
Getah mutu malaysia (semua gred) <i>S.M.R. (all grades)</i>	Tan <i>Tonne</i>	686,810	668,508	57,754	59,442	48,306	47,401
Susu getah diproses <i>Processed latex</i>	Tan <i>Tonne</i>	45,852	50,917	3,275	3,769	3,729	3,849
Sarung tangan getah <i>Rubber gloves</i>	Pasang (Juta) <i>Pairs (Million)</i>	85,559	66,998	6,065	5,892	7,374	7,002
Kondom <i>Condom</i>	Gross ('000) <i>Gross ('000)</i>	18,730	21,118	1,547	1,454	1,465	1,997
Paip P.V.C. <i>P.V.C. pipes</i>	Tan <i>Tonne</i>	98,006	123,126	9,670	11,653	12,461	11,802
Bata tanah <i>Earthen bricks</i>	Bilangan ('000) <i>Number ('000)</i>	153,283	201,043	13,700	17,458	13,268	17,142
Jubin seramik <i>Ceramic tiles</i>	M. Persegi ('000) <i>Sq. metres ('000)</i>	26,270	24,753	1,003	1,146	1,859	1,865

2024									
Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
2,712,791	2,368,951	2,849,003	2,682,100	2,356,975	2,827,151	2,644,124	2,461,711	2,930,110	2,852,127
42,934	44,678	43,201	35,453	35,628	38,433	41,554	45,417	45,944	42,849
388,091	242,304	309,801	482,508	473,473	545,943	561,494	580,394	555,053	536,428
426,865	475,927	535,863	531,558	559,863	541,973	522,053	446,989	434,307	471,171
4,584	4,598	4,597	4,590	4,648	3,438	3,390	3,485	3,679	3,749
432,745	500,884	501,603	502,999	452,079	413,442	370,013	386,319	422,415	413,931
9,612	8,265	6,995	6,864	5,013	5,792	6,467	7,276	8,842	8,245
6,280	6,002	5,108	5,101	4,427	3,017	3,178	3,831	2,965	2,962
6,415	6,554	6,268	6,259	5,599	3,797	5,278	5,556	6,195	6,202
1,556	1,600	556	561	600	638	805	959	1,007	1,063
1,287	1,389	1,693	2,144	2,434	2,146	1,965	2,488	1,938	2,116
1,492	1,493	1,483	1,667	1,908	1,859	1,894	1,982	2,556	1,950
2,849	2,518	2,216	2,209	1,623	2,384	2,589	3,124	2,389	2,651
1,222	1,355	1,344	1,383	1,169	877	1,039	1,339	1,348	1,579
6,896	6,901	6,892	6,956	6,060	7,357	5,781	6,363	6,087	6,590
14,166	15,779	13,588	12,813	13,611	14,294	13,385	13,897	13,705	13,425
349	352	369	333	337	428	371	405	498	495
54	56	61	60	64	68	64	62	83	71
47,783	48,026	51,364	59,510	54,635	62,203	63,258	68,825	63,120	60,695
4,065	4,564	4,814	5,284	4,940	4,673	3,643	4,312	4,038	3,907
6,242	5,406	5,211	5,216	4,680	4,591	4,646	4,672	6,083	6,454
2,020	2,342	1,905	1,579	1,790	1,674	1,557	1,786	1,935	1,812
9,794	9,643	9,924	8,385	9,289	9,395	10,848	10,262	10,551	10,997
14,890	13,504	13,481	14,627	15,844	18,276	25,849	23,005	15,569	16,178
2,075	2,079	2,074	2,093	2,445	2,905	2,038	3,171	1,601	1,910

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

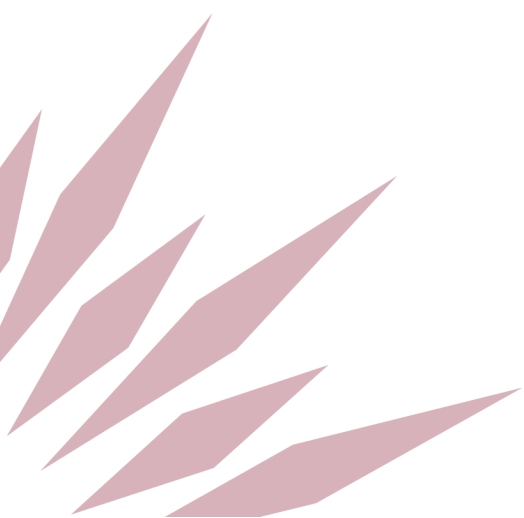
Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023			
				Jan.	Feb.	Mac	Apr.
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	19,856	23,191	1,961	2,496	2,704	1,660
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	37,695	39,836	3,653	3,144	3,342	3,033
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	39,761	42,152	3,645	2,482	3,020	3,460
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	1,416,140	1,247,529	97,365	99,515	100,767	101,081
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	153,159	167,623	11,095	17,083	12,508	9,669
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	1,011,455	1,090,486	93,671	101,549	90,100	80,637
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	931,443	1,158,514	91,486	111,535	94,582	86,637
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	175,928	202,278	10,307	11,148	12,940	17,541
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	2,815,239	2,550,785	235,256	255,272	224,148	224,951
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	3,139	3,474	211	230	219	209
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	151,610	165,843	11,770	15,512	14,010	13,046
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	18,630	15,079	1,212	1,270	1,099	1,294
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	290,765	252,794	25,826	28,438	27,362	19,620
Dawai dan kabel yang tertebat Insulated wires and cables	Tan Tonne	154,579	143,781	11,524	13,660	15,687	15,909
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	32,644	35,227	3,043	3,270	3,392	2,625
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	55,538	46,515	4,657	4,663	4,686	4,092
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	55,168	51,838	3,885	3,919	4,311	4,881
Televisyen Television	Bilangan Number	15,977,868	13,583,353	807,858	811,933	997,866	1,031,793
Radio Radios	Bilangan ('000) Number ('000)	10,190	8,255	709	737	638	637
Penyaman udara Air-conditioners	Bilangan Number	3,162,946	3,342,121	251,254	292,175	328,527	304,699
Kereta penumpang Passenger cars	Bilangan Number	650,217	724,891	54,663	59,843	71,731	38,575
Kenderaan perdagangan Commercial vehicles	Bilangan Number	117,019	134,721	9,283	10,387	9,461	9,393
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	9,764	10,181	809	844	865	730
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	175,222	355,243	15,992	18,563	21,731	28,591

2024									
Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
1,630	1,698	1,521	1,516	1,444	1,617	2,442	2,501	2,461	2,592
2,810	3,243	3,154	3,463	3,607	3,774	2,958	3,655	3,826	3,269
4,051	3,262	4,481	3,570	3,443	4,431	2,759	3,548	4,870	1,965
105,043	88,870	89,150	96,209	115,877	121,091	121,773	110,788	118,429	118,521
15,069	16,980	12,561	12,492	12,607	14,566	18,669	14,324	10,811	16,977
88,201	88,757	87,806	92,261	91,832	91,026	97,099	87,546	95,113	99,878
87,237	87,536	86,547	114,618	96,620	87,911	93,258	120,547	112,228	117,663
19,868	15,473	15,976	22,825	24,544	26,937	13,392	11,327	10,953	11,315
182,697	185,229	184,494	205,491	208,553	213,528	209,323	221,843	231,574	233,684
294	428	382	323	290	317	297	275	274	278
12,395	13,967	15,559	14,304	14,052	13,018	14,030	14,180	12,232	16,162
1,307	1,270	1,308	1,305	1,310	1,220	1,372	1,113	1,305	1,444
19,078	18,084	19,801	17,262	16,671	20,654	20,303	19,694	27,216	27,607
7,981	9,988	12,037	12,940	14,398	10,019	10,721	8,916	9,254	10,778
2,590	3,071	3,111	3,290	3,302	2,572	2,451	2,511	3,050	3,390
4,287	4,043	3,546	3,553	3,523	3,133	3,035	3,296	3,794	3,950
5,465	5,299	4,475	4,474	4,946	3,930	3,109	3,144	3,031	3,145
1,482,331	1,490,573	1,186,325	1,294,262	1,186,284	1,186,284	1,111,538	996,306	1,000,226	901,036
593	584	671	781	643	722	751	788	806	817
307,501	275,213	279,002	261,798	238,352	248,815	274,825	279,960	276,871	299,728
60,391	54,643	62,558	63,242	65,022	69,475	62,931	61,817	71,666	61,935
15,306	12,168	12,266	12,932	11,208	11,620	11,443	9,254	9,098	8,831
817	991	1,001	860	785	851	834	793	848	847
37,701	33,931	36,810	36,900	34,494	33,039	27,455	30,036	33,309	30,392

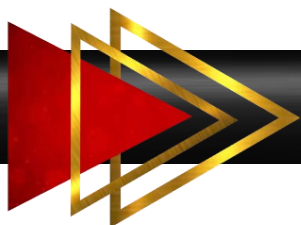


NOTA TEKNIKAL

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 berpanduan *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)

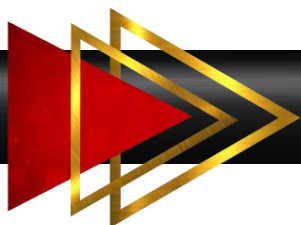
Kaedah *extrapolation*:

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

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

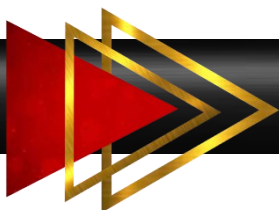
Extrapolation Method:

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

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.

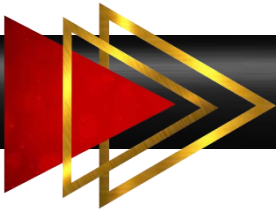
5. TYPE OF BUSINESS ACTIVITY

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;

n = Sample size

N_i = Population size for stratum i

S_i^2 = Variance for stratum i

V = Desired variance

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

where;

$\hat{Y}_i$ = Estimated sales value for stratum

RSE = Relative standard error

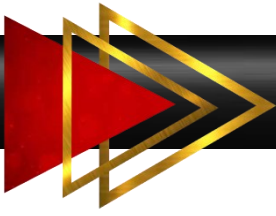
Z = Value of confidence level

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 and 4

i = 1, 2, ... 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 (SOCSO) 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).