



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN PEMBUATAN BULANAN MONTHLY MANUFACTURING STATISTICS

MAC 2024
MARCH

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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".

JABATAN PERANGKAAN MALAYSIA
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.

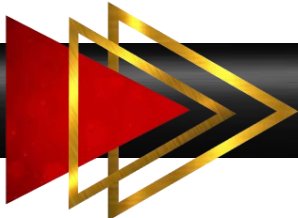
Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat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

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

Mei 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.

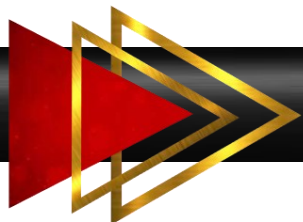
The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Any feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

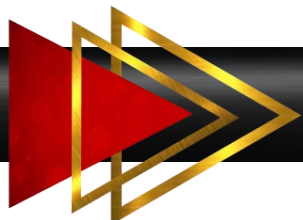
May 2024





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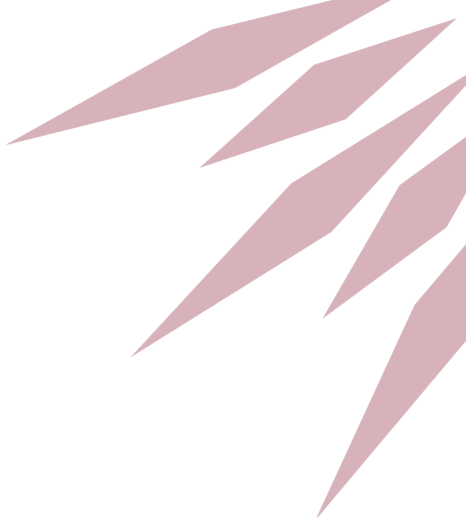
Bulan rujukan / <i>Reference month</i>	Tarikh / <i>Date</i>
Januari 2024 / <i>January 2024</i>	12.03.2024
Februari 2024 / <i>February 2024</i>	08.04.2024
Mac 2024 / <i>March 2024</i>	10.05.2024
April 2024 / <i>April 2024</i>	10.06.2024
Mei 2024 / <i>May 2024</i>	12.07.2024
Jun 2024 / <i>June 2024</i>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

Summary of Findings



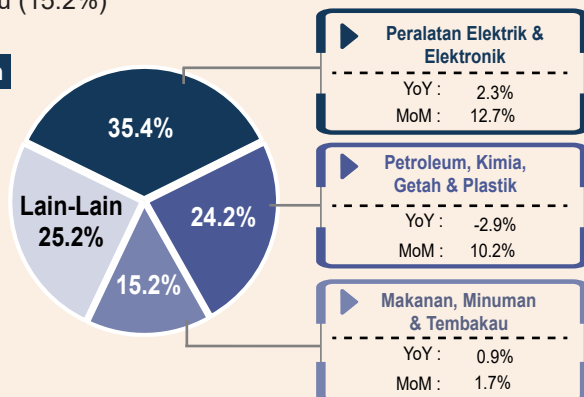
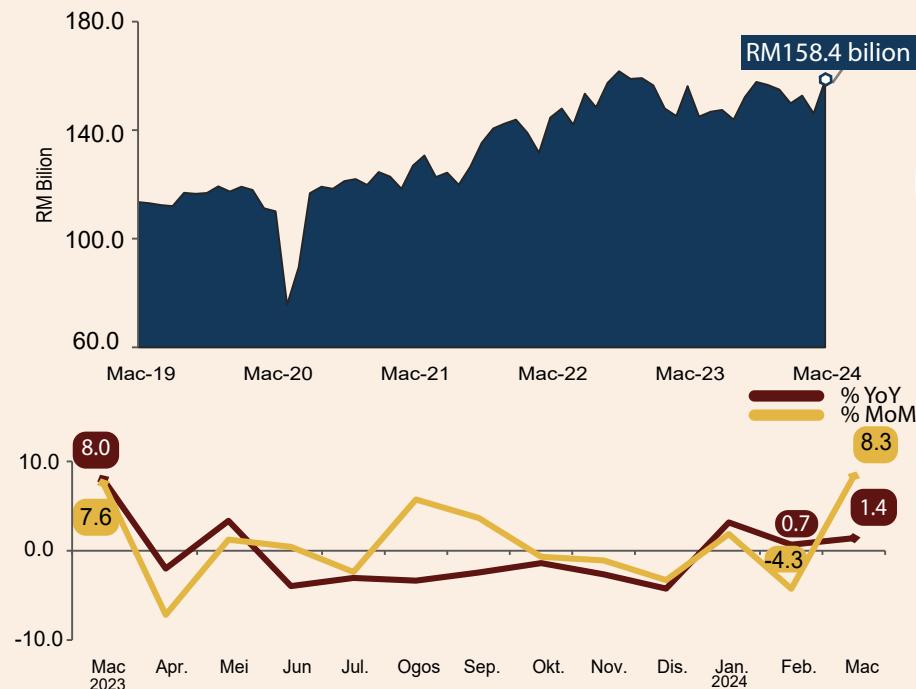
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PERANGKAAAN PEMBUATAN MAC 2024

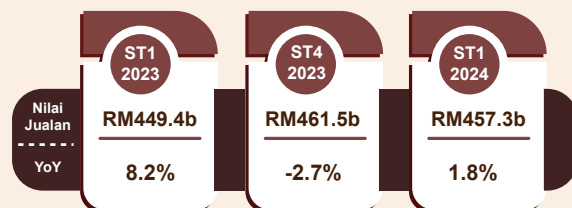
Nilai Jualan Sektor Pembuatan, Mac 2024

Nilai jualan sektor Pembuatan berkembang sebanyak **1.4 peratus** untuk merekodkan **RM158.4 bilion** pada Mac 2024

Lebih dua pertiga daripada nilai jualan Pembuatan disumbangkan oleh subsektor Peralatan Elektrik & Elektronik (35.4%); Petroleum, Kimia, Getah & Plastik (24.2%); dan Makanan, Minuman & Tembakau (15.2%)



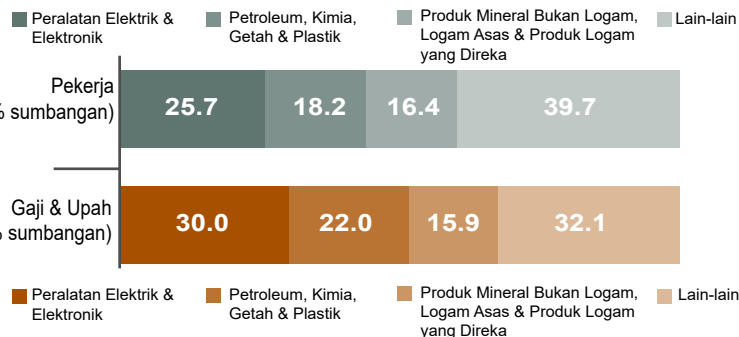
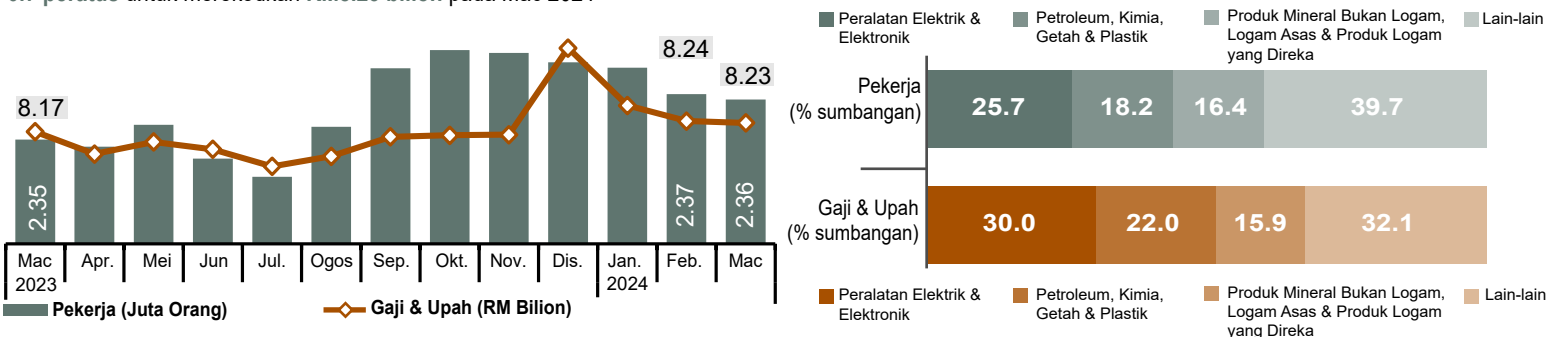
Nilai Jualan Sektor Pembuatan,
ST1 2023, ST4 2023 & ST1 2024



Nota: ST = Suku Tahun

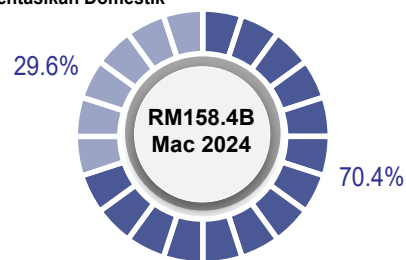
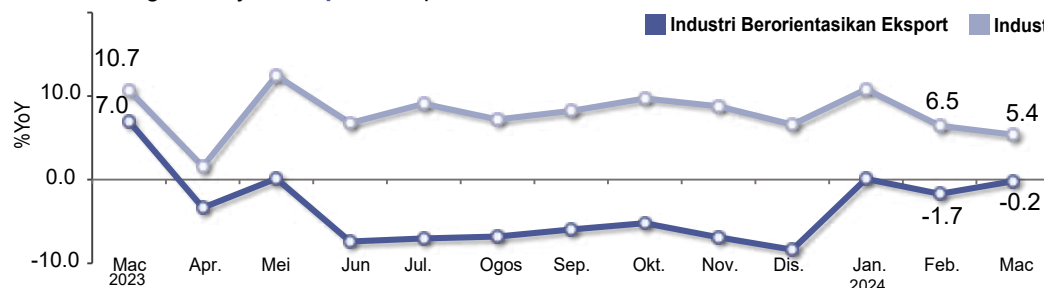
Bilangan Pekerja dan Gaji & Upah, Mac 2024

Seramai **2.36 juta orang** terlibat dalam sektor Pembuatan, iaitu meningkat **0.5 peratus** tahun ke tahun dengan gaji & upah yang dibayar tumbuh **0.7 peratus** untuk merekodkan **RM8.23 bilion** pada Mac 2024



Industri Berorientasikan Eksport and Domestik

Nilai jualan industri berorientasikan eksport turun marginal **0.2 peratus** manakala industri berorientasikan domestik kekal kukuh, berkembang sebanyak **5.4 peratus** pada Mac 2024



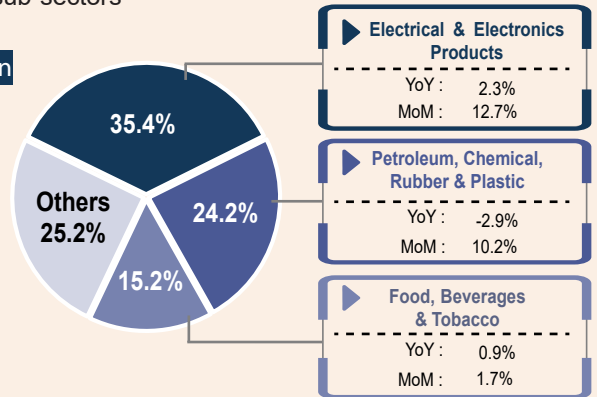
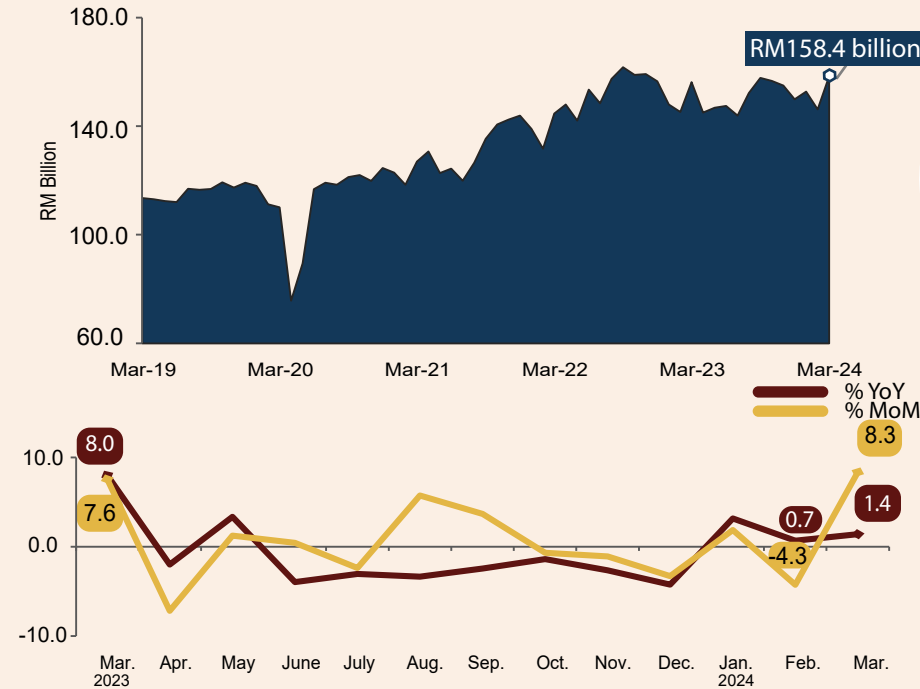


MANUFACTURING STATISTICS MARCH 2024

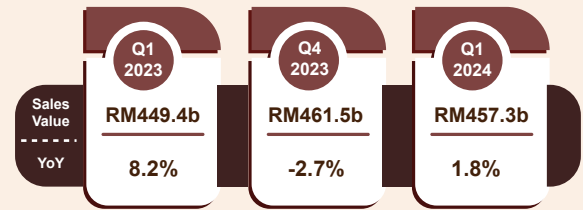
Sales Value of the Manufacturing Sector, March 2024

The sales value of the Manufacturing sector expanded by **1.4 per cent** to record **RM158.4 billion** in March 2024

More than two-thirds of Manufacturing sales value was contributed by Electrical & Electronics Products (35.4%); Petroleum, Chemical, Rubber & Plastic (24.2%); and Food, Beverages & Tobacco (15.2%) sub-sectors



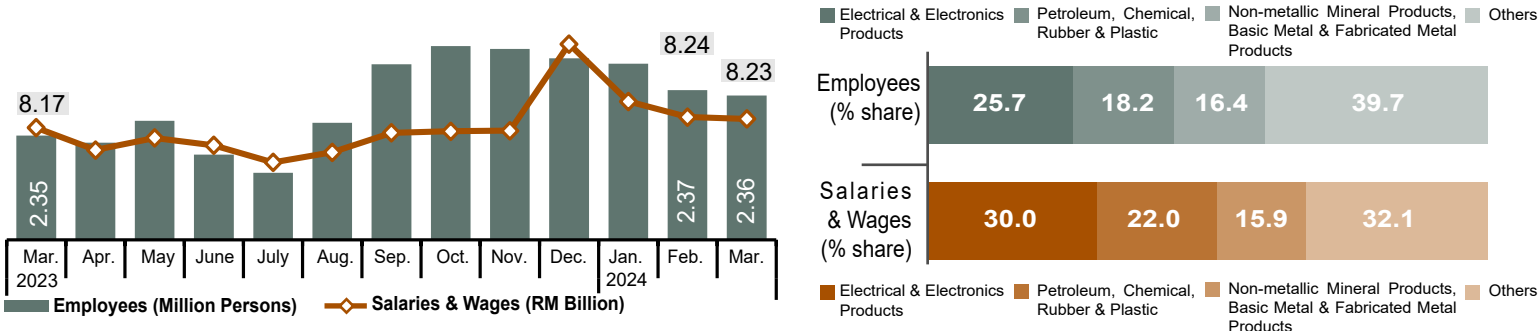
Sales Value of the Manufacturing Sector, Q1 2023, Q4 2023 & Q1 2024



Note: Q = Quarter

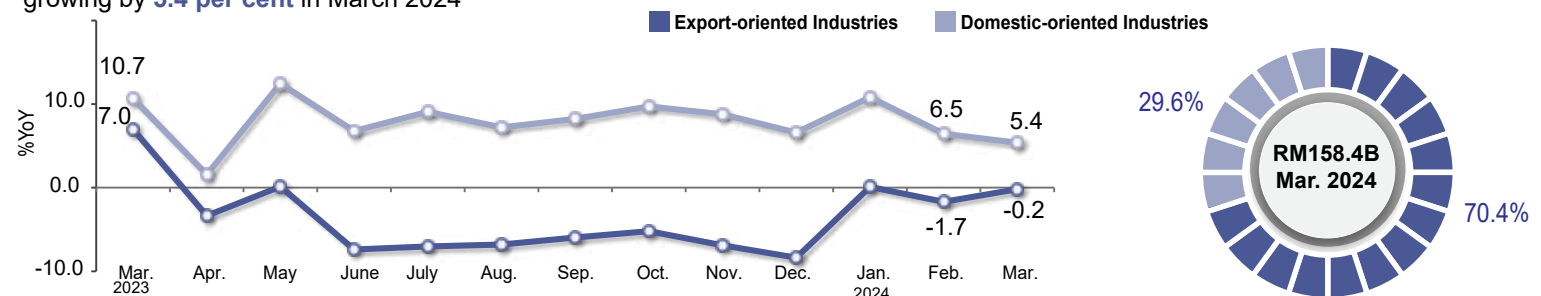
Number of Employees and Salaries & Wages, March 2024

There were **2.36 million persons** engaged in the Manufacturing sector, which increased by **0.5 per cent** year-on-year with salaries & wages paid grew by **0.7 per cent** to record **RM8.23 billion** in March 2024



Export and Domestic-oriented Industries

The sales value of export-oriented industries dropped marginally by **0.2 per cent** while the domestic-oriented industries remained vibrant, growing by **5.4 per cent** in March 2024

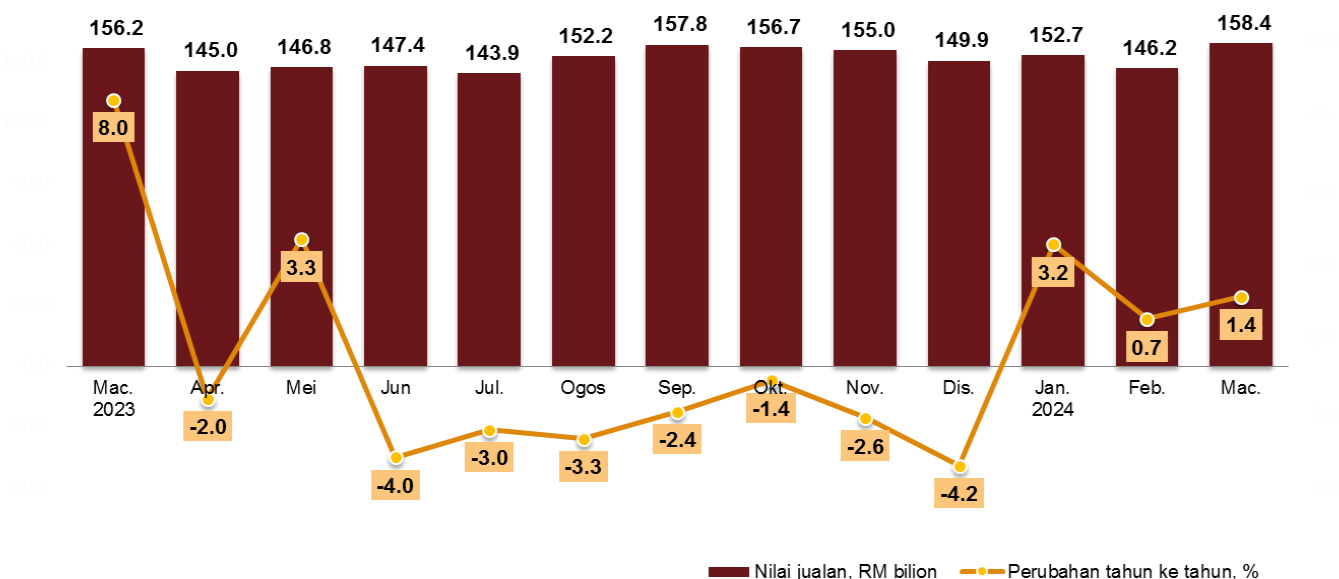


1.0 NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan meningkat sebanyak 1.4 peratus pada Mac 2024, merekodkan trend positif tahun ke tahun untuk bulan ketiga berturut-turut, mencecah RM158.4 bilion seperti di Carta 1. Bagi perbandingan bulan ke bulan, nilai jualan bertambah baik iaitu sebanyak 8.3 peratus berbanding negatif 4.3 peratus yang direkodkan pada Februari 2024. Pada masa yang sama, nilai jualan pelarasan bermusim meningkat 1.0 peratus berbanding bulan sebelumnya.

Peningkatan tahun ke tahun tersebut dipacu terutamanya oleh subsektor Produk mineral bukan logam, logam asas & produk logam yang direka (9.6%); Kayu, perabot, keluaran kertas & percetakan (3.4%); dan Peralatan elektrik & elektronik (2.3%).

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



*** Nota:**

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

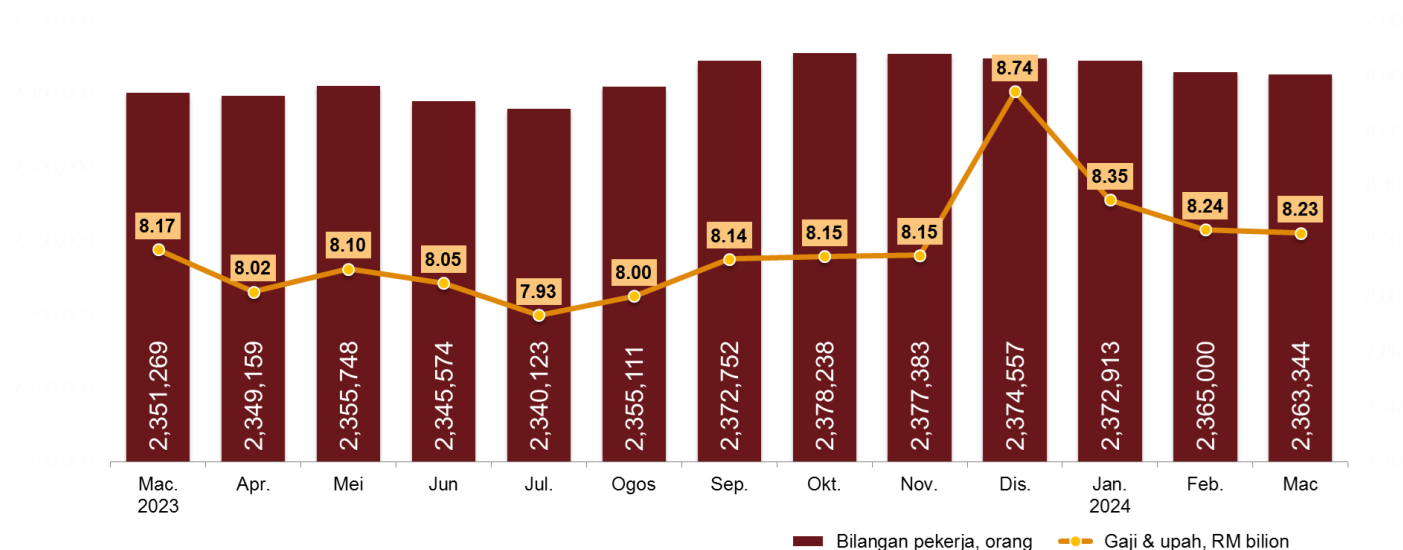
2.0 BILANGAN PEKERJA

Seramai 2.36 juta orang pekerja terlibat dalam sektor Pembuatan pada Mac 2024, iaitu meningkat 0.5 peratus berbanding 2.35 juta orang yang direkodkan setahun lalu (Februari 2024: 0.6%). Kenaikan itu sebahagian besarnya didorong oleh subsektor Makanan, minuman & tembakau (4.4%); Produk mineral bukan logam, logam asas & produk logam yang direka (1.7%); dan Kayu, perabot, keluaran kertas & percetakan (0.6%). Berbanding bulan sebelumnya, bilangan pekerja dalam sektor ini berkurang secara marginal 0.1 peratus.

3.0 GAJI & UPAH

Gaji & upah yang dibayar dalam sektor Pembuatan tumbuh 0.7 peratus tahun ke tahun untuk merekodkan RM8.23 bilion pada Mac 2024. Bagi perbandingan bulan ke bulan, gaji & upah menyusut 0.2 peratus daripada RM8.24 bilion yang direkodkan pada Februari 2024.

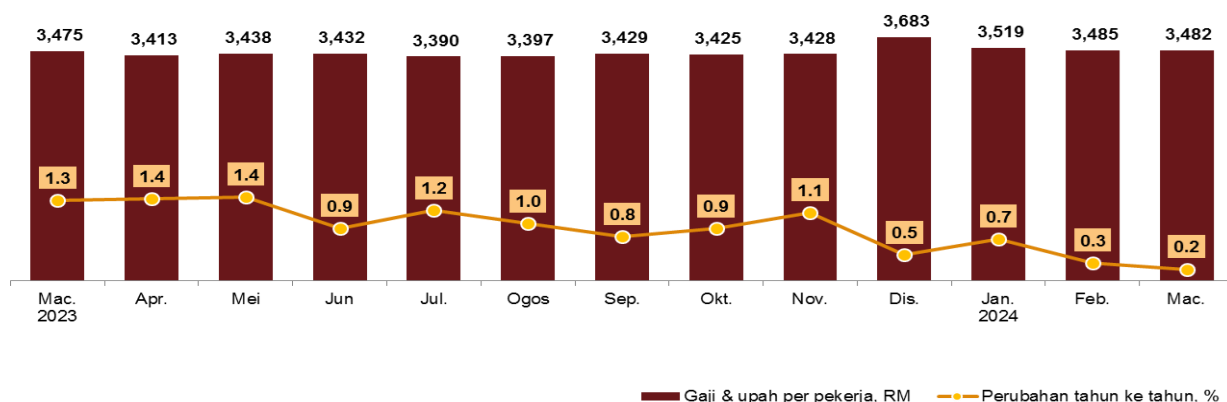
Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan, Mac 2023 - Mac 2024



4.0 PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah bagi setiap pekerja pada Mac 2024 adalah RM3,482 yang meningkat secara marginal sebanyak 0.2 peratus tahun ke tahun (Mac 2023: RM3,475) seperti yang dipaparkan di Carta 3. Sementara itu, purata gaji & upah bagi setiap pekerja susut sedikit sebanyak 0.1 peratus berbanding bulan sebelum (Februari 2024: RM3,485).

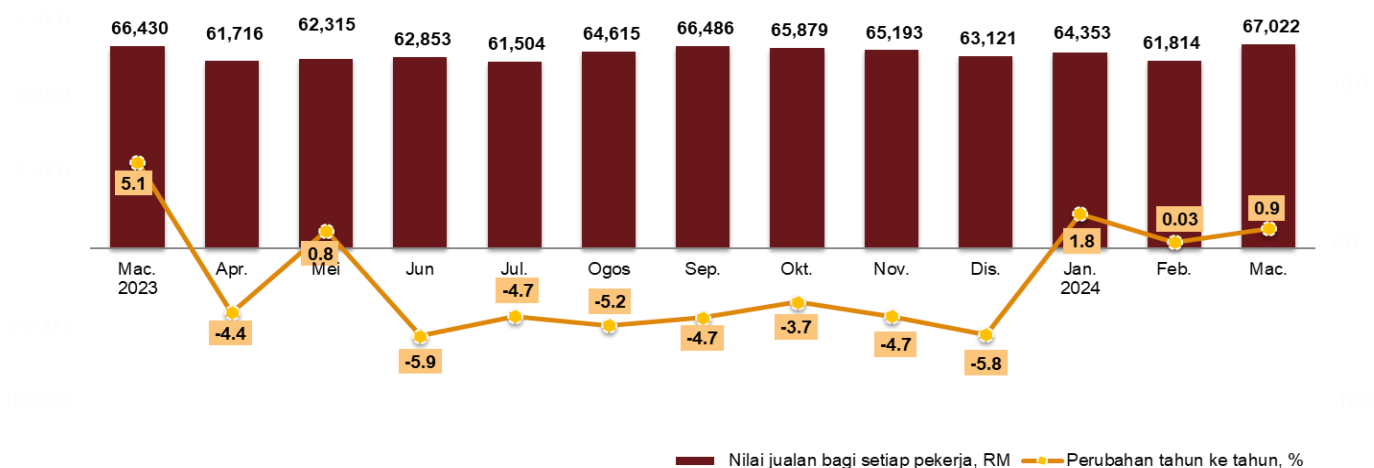
Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan, Mac 2023 - Mac 2024



5.0 NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Mac 2024 meningkat sebanyak 0.9 peratus untuk merekodkan RM67,022 berbanding RM66,430 pada bulan yang sama tahun sebelumnya (Carta 4). Sementara itu, purata nilai jualan bagi setiap pekerja bertambah 8.4 peratus berbanding Februari 2024.

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



6.0 PRESTASI BAGI SUKU TAHUN PERTAMA 2024

Nilai jualan sektor Pembuatan memulih kepada 1.8 peratus pada suku pertama 2024, mencapai RM457.3 bilion (ST4 2023: -2.7%). Pertumbuhan tersebut disumbangkan oleh subsektor Produk mineral bukan logam, logam asas & produk logam yang direka (8.3%); serta Kelengkapan pengangkutan & pembuatan lain (8.2%); dan Peralatan elektrik & elektronik (2.1%). Pada tempoh tersebut, bilangan pekerja bertambah sebanyak 0.5 peratus untuk merekodkan seramai 2.36 juta orang manakala gaji & upah tumbuh 1.2 peratus kepada RM24.8 bilion.

Selain itu, nilai jualan setiap pekerja mencatatkan peningkatan sebanyak 1.2 peratus, berjumlah RM193,493. Butiran terperinci seperti ditunjukkan di Jadual A.

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

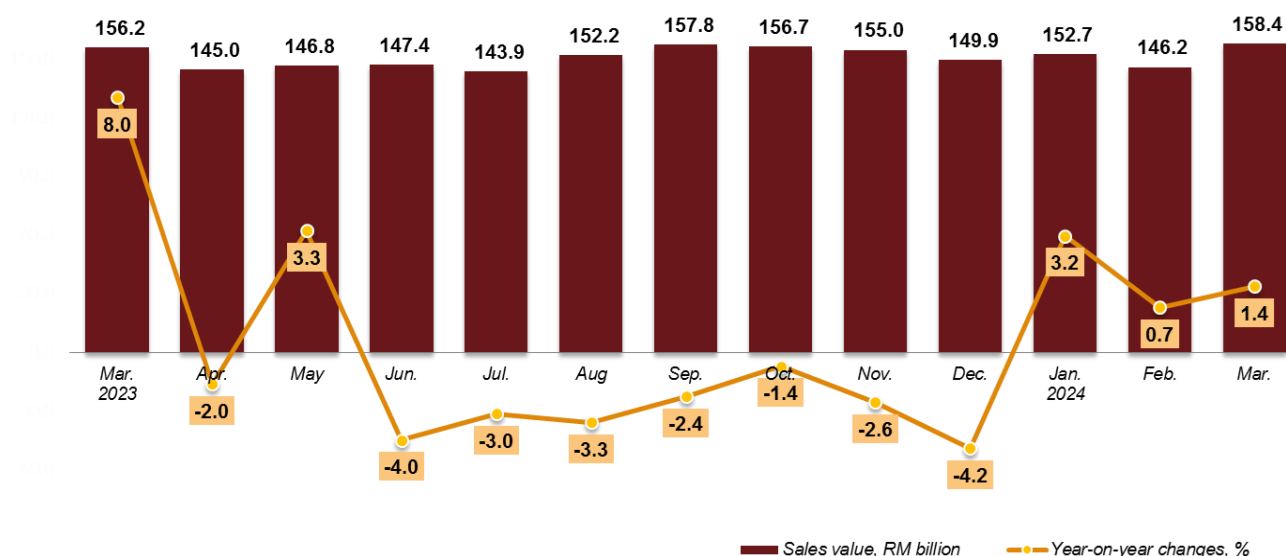
Perangkaan Pembuatan Bulanan	Suku Tahun Pertama		% Perubahan
	2023	2024	
Nilai Jualan (RM juta)	449,423.7	457,291.4	1.8
Bilangan Pekerja	2,351,269	2,363,344	0.5
Gaji & Upah (RM juta)	24,516.8	24,823.1	1.2
Nilai Jualan Per Pekerja (RM)	191,141	193,493	1.2

1.0 SALES VALUE OF THE MANUFACTURING SECTOR

The sales value of the Manufacturing sector increased by 1.4 per cent in March 2024, marking a positive year-on-year trend for the third consecutive month, reaching RM158.4 billion as shown in Chart 1. On a month-on-month comparison, the sales value improved by 8.3 per cent as compared to the negative 4.3 per cent recorded in February 2024. Similarly, the seasonally adjusted sales value increased by 1.0 per cent as compared to the preceding month.

The rise was primarily driven by the Non-metallic mineral products, basic metal & fabricated metal products (9.6%); Wood, furniture, paper products & printing (3.4%); and Electrical & electronics products (2.3%) sub-sectors.

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

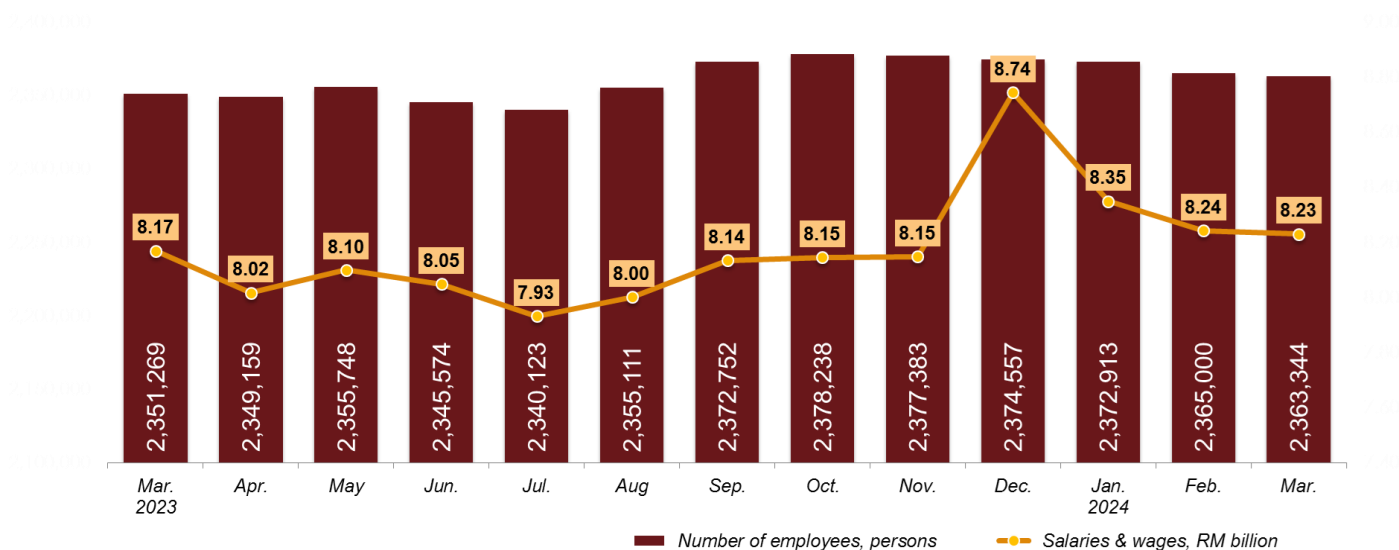
2.0 NUMBER OF EMPLOYEES

There were 2.36 million employees engaged in the Manufacturing sector in March 2024, which increased by 0.5 per cent as against 2.35 million persons recorded a year ago (February 2024: 0.6%). The increase was predominantly in the Food, beverages & tobacco (4.4%); Non-metallic mineral products, basic metal & fabricated metal products (1.7%); and Wood, furniture, paper products & printing (0.6%) sub-sectors. In comparison to the preceding month, the number of employees in this sector decreased marginally by 0.1 per cent.

3.0 SALARIES & WAGES

The salaries & wages paid in the Manufacturing sector grew by 0.7 per cent year-on-year to record RM8.23 billion in March 2024. On a month-on-month comparison, the salaries & wages edged down by 0.2 per cent from RM8.24 billion recorded in February 2024.

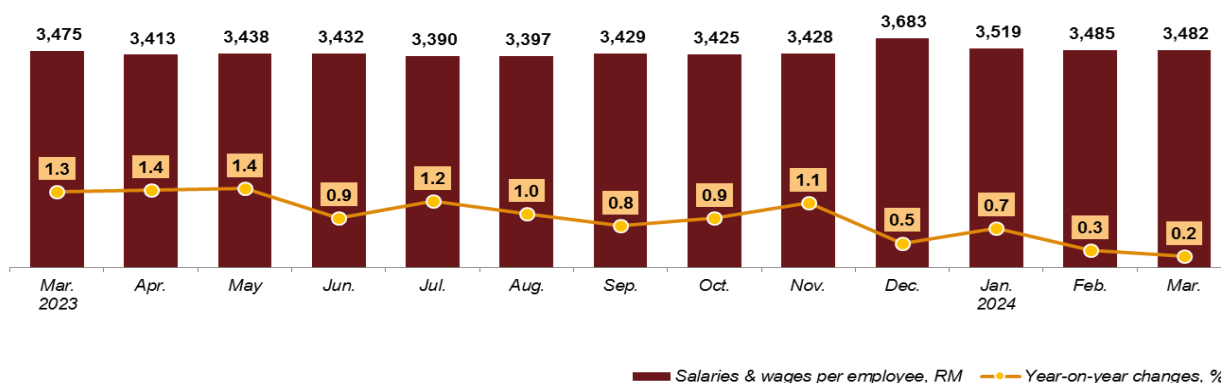
Chart 2: Number of Employees and Salaries & Wages in Manufacturing Sector, March 2023 – March 2024



4.0 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in March 2024 was RM3,482 which increased marginally by 0.2 per cent year-on-year (March 2023: RM3,475) as depicted in Chart 3. Meanwhile, average salaries & wages paid per employee decreased slightly by 0.1 per cent as compared to the preceding month (February 2024: RM3,485).

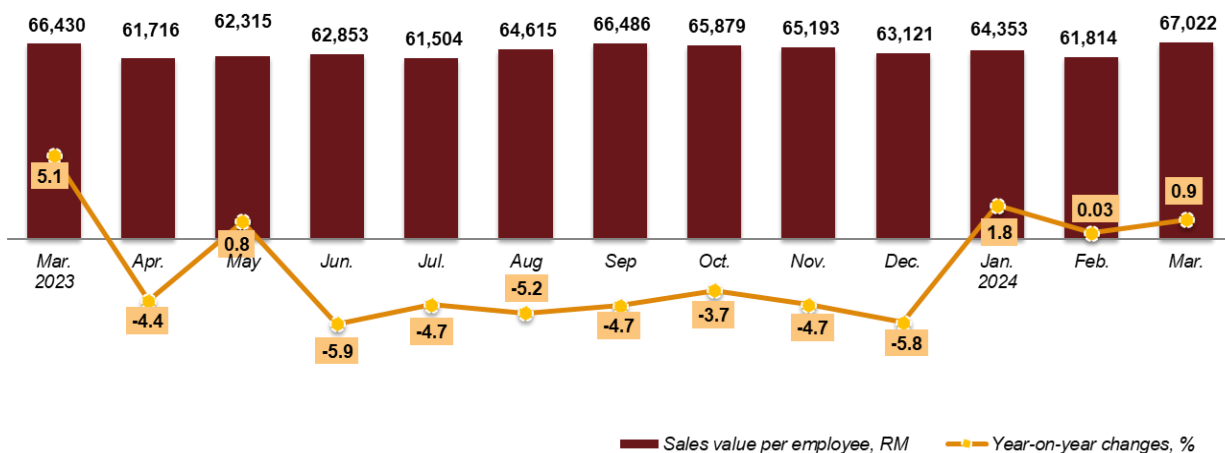
Chart 3: Salaries & Wages per Employee in Manufacturing Sector, March 2023 – March 2024



5.0 SALES VALUE PER EMPLOYEE

The sales value per employee in March 2024 rose by 0.9 per cent to record RM67,022 as compared to RM66,430 in the same month of the previous year (Chart 4). Meanwhile, the average sales value per employee augmented 8.4 per cent as compared to February 2024.

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



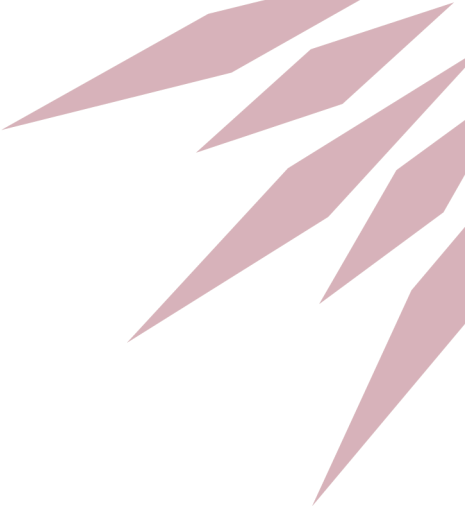
6.0 PERFORMANCE IN THE FIRST QUARTER 2024

The sales value of the Manufacturing sector bounced back to 1.8 per cent in the first quarter of 2024, achieving RM457.3 billion (Q4 2023: -2.7%). The growth was contributed by the Non-metallic mineral products, basic metal & fabricated metal products (8.3%); as well as Transport equipment & other manufactures (8.2%); and Electrical & electronics products (2.1%) sub-sectors. During the period, the number of employees increased by 0.5 per cent to record a total of 2.36 million persons while salaries & wages grew by 1.2 per cent to RM24.8 billion.

Moreover, the sales value per employee registered an increase of 1.2 per cent, amounting to RM193,493. The details as per shown in Table A.

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

Monthly Manufacturing Statistics	First quarter		% Change
	2023	2024	
Sales Value (RM million)	449,423.7	457,291.4	1.8
Number of Employees	2,351,269	2,363,344	0.5
Salaries & Wages (RM million)	24,516.8	24,823.1	1.2
Sales Value per Employee (RM)	191,141	193,493	1.2



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		
2023	Q1	449,424	8.2			2,351,269	2.8			24,517	4.3		
	Q2	439,208	-1.0			2,345,574	2.1			24,165	3.6		
	Q3	453,856	-2.9			2,372,752	2.4			24,068	3.0		
	Q4	461,548	-2.7			2,374,557	1.7			25,039	2.9		
2024	Q1	457,291	1.8			2,363,344	0.5			24,823	1.2		
2023	(Jan. - Mac)	449,424	8.2			2,351,269	2.8			24,517	4.3		
2024	(Jan. - Mac)	457,291	1.8			2,363,344	0.5			24,823	1.2		
2023	Jan.	148,010	6.5	144,787	-3.9	2,341,951	3.0	2,317,914	-1.1	8,183	4.0	7,939	-2.4
	Feb.	145,219	10.3	156,489	8.1	2,349,967	3.3	2,334,559	0.7	8,164	4.6	8,056	1.5
	Mac	156,194	8.0	155,778	-0.5	2,351,269	2.8	2,340,713	0.3	8,170	4.2	8,098	0.5
	Apr.	144,981	-2.0	146,680	-5.8	2,349,159	2.5	2,344,025	0.1	8,017	3.9	8,127	0.4
	Mei	146,799	3.3	154,734	5.5	2,355,748	2.6	2,357,728	0.6	8,100	4.0	8,207	1.0
	Jun	147,427	-4.0	151,271	-2.2	2,345,574	2.1	2,358,024	0.0	8,049	3.0	8,169	-0.5
	Jul.	143,926	-3.0	148,761	-1.7	2,340,123	1.7	2,352,829	-0.2	7,932	2.9	8,097	-0.9
	Ogo.	152,175	-3.3	150,632	1.3	2,355,111	2.0	2,367,136	0.6	8,001	3.0	8,147	0.6
	Sep.	157,755	-2.4	152,290	1.1	2,372,752	2.4	2,378,722	0.5	8,135	3.2	8,204	0.7
	Okt.	156,675	-1.4	150,059	-1.5	2,378,238	2.5	2,386,448	0.3	8,146	3.4	8,236	0.4
	Nov.	154,988	-2.6	149,774	-0.2	2,377,383	2.1	2,379,668	-0.3	8,149	3.3	8,269	0.4
	Dis.	149,885	-4.2	143,728	-4.0	2,374,557	1.7	2,374,914	-0.2	8,744	2.1	8,246	-0.3
2024	Jan.	152,704	3.2	149,845	4.3	2,372,913	1.3	2,356,488	-0.8	8,350	2.0	8,155	-1.1
	Feb.	146,191	0.7	155,213	3.6	2,365,000	0.6	2,351,807	-0.2	8,243	1.0	8,137	-0.2
	Mac	158,397	1.4	156,739	1.0	2,363,344	0.5	2,352,452	0.0	8,230	0.7	8,152	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	2023				2024		2023
			Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	320,222	309,508	73,072	74,851	78,190	83,395	75,567		73,072
10 Pembuatan produk makanan <i>Manufacture of food products</i>	304,095	292,444	68,673	70,724	74,099	78,948	70,861		68,673
11 Pembuatan minuman <i>Manufacture of beverages</i>	12,717	13,055	3,204	3,131	3,284	3,436	3,399		3,204
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	3,410	4,010	1,196	996	807	1,010	1,307		1,196
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	23,642	24,153	6,152	5,888	5,842	6,271	6,544		6,152
13 Pembuatan tekstil <i>Manufacture of textiles</i>	11,652	11,404	2,897	2,866	2,770	2,872	3,117		2,897
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	9,352	9,873	2,533	2,374	2,391	2,576	2,656		2,533
15 Pembuatan produk kulit dan barangan bfrkaitan <i>Manufacture of leather and related products</i>	2,638	2,876	723	649	681	823	771		723
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	84,965	86,146	23,605	19,571	19,863	23,108	24,394		23,605
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>	25,894	24,608	7,502	4,976	5,353	6,776	7,408		7,502
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	28,260	29,883	7,561	7,377	7,381	7,564	7,711		7,561
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13,709	14,526	3,812	3,452	3,457	3,804	3,948		3,812
31 Pembuatan perabot <i>Manufacture of furniture</i>	17,101	17,130	4,729	3,766	3,671	4,964	5,326		4,729
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	499,207	469,010	116,905	118,176	119,555	114,375	111,249		116,905
19 Pembuatan kok dan produk petroleum bfrtapis <i>Manufacture of coke and refined petroleum products</i>	249,901	224,749	55,680	56,542	58,478	54,050	48,509		55,680
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	111,585	112,375	29,632	26,787	28,168	27,788	29,595		29,632
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10,181	10,708	2,702	2,629	2,714	2,663	2,848		2,702
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	127,540	121,177	28,891	32,218	30,195	29,873	30,297		28,891
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	168,044	179,468	47,150	42,407	42,162	47,748	51,069		47,150
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	49,285	52,777	14,105	12,626	12,585	13,461	15,168		14,105
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	54,209	56,455	15,284	12,417	12,844	15,910	15,889		15,284
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	64,550	70,235	17,762	17,365	16,733	18,376	20,012		17,762
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	581,527	598,972	149,095	147,221	154,914	147,743	152,273		149,095
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	479,757	496,238	124,697	121,532	128,717	121,292	127,696		124,697
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	56,049	57,863	13,583	14,155	15,645	14,480	13,559		13,583
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	45,720	44,872	10,815	11,534	10,552	11,971	11,018		10,815
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	123,324	136,778	33,444	31,093	33,331	38,910	36,196		33,444
29 Pembuatan kenderaan bfrmotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	89,220	101,255	24,643	22,206	24,909	29,498	27,089		24,643
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	15,690	16,045	4,077	3,946	3,633	4,390	4,152		4,077
32 Pembuatan lain <i>Other manufacturing</i>	12,668	13,315	3,095	3,555	3,356	3,309	3,248		3,095
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	5,746	6,163	1,629	1,386	1,433	1,714	1,706		1,629
Pembuatan Manufacturing	Jumlah Total	1,800,930	1,804,035	449,424	439,208	453,856	461,548	457,291	449,424

(RM Juta/Million)															
2024	2023			2024											
(Jan. - Mac)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
75,567	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	23,712	24,111
70,861	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	22,214	22,427
3,399	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	1,091	1,193
1,307	394	349	452	359	376	262	258	286	263	350	338	322	410	407	490
6,544	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	2,209
3,117	984	938	975	945	969	952	925	941	905	937	968	966	1,071	1,018	1,029
2,656	840	847	846	798	806	770	810	781	799	832	893	851	899	835	922
771	245	233	245	223	221	204	209	229	243	268	288	268	264	250	258
24,394	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	8,421
7,408	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	2,636
7,711	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	2,595
3,948	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	1,310
5,326	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	1,880
111,249	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	38,283
48,509	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	16,129
29,595	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	9,894
2,848	875	885	942	898	821	910	885	905	925	933	871	859	904	942	1,001
30,297	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	11,259
51,069	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	17,545
15,168	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	5,158
15,889	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	5,546
20,012	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	6,840
152,273	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	56,137
127,696	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	48,052
13,559	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	4,464
11,018	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	3,621
36,196	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	11,582	11,692
27,089	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	8,718	8,494
4,152	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	1,491
3,248	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	1,075
1,706	530	511	589	578	402	406	407	449	578	557	599	557	548	527	632
457,291	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	146,191	158,397

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

																(%)
2023	2024	2023												2024		
(Jan. - Mac)	(Jan. - Mac)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
6.1	3.4	4.5	8.6	5.5	-12.7	-10.9	-14.6	-7.8	-6.6	-1.7	2.0	2.0	-2.6	11.4	-2.3	0.9
6.3	3.2	4.4	9.1	5.4	-13.4	-12.2	-15.5	-8.4	-7.2	-2.0	1.6	1.9	-3.1	11.7	-2.9	0.5
0.2	6.1	0.5	-0.3	0.3	-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5	6.5	4.6	7.2
17.4	9.3	20.6	5.7	25.3	9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3	3.9	16.7	8.3
0.9	6.4	0.1	1.4	1.4	1.1	7.9	2.2	2.6	2.2	2.8	3.7	3.2	-1.7	8.0	4.2	6.9
-2.1	7.6	-2.8	-2.2	-1.3	-1.9	4.4	-5.6	-5.1	-1.0	-1.7	-1.0	-1.5	-5.1	8.9	8.5	5.5
3.1	4.9	1.7	4.7	2.9	1.4	9.6	11.8	10.7	5.0	6.9	8.0	7.1	-0.8	7.1	-1.4	9.0
6.4	6.7	6.5	4.8	7.8	14.1	19.1	9.4	10.7	6.7	7.4	8.3	8.0	8.5	7.9	6.9	5.3
1.8	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	3.4
-3.9	-1.3	-7.4	1.2	-4.9	-5.1	7.5	-8.2	-7.8	-6.9	-7.2	-2.2	-6.4	-9.9	0.1	-5.1	1.1
11.0	2.0	7.0	16.9	9.5	4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4	6.7	1.3	-1.7
7.5	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	3.5
-5.7	12.6	-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3
8.0	-4.8	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	-2.9
21.9	-12.9	26.0	25.0	14.5	0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8	-21.0	-8.8	-6.7
2.1	-0.1	1.7	2.0	2.6	-0.9	4.8	-1.8	-0.7	1.4	1.2	3.6	-0.5	-4.5	5.3	-2.6	-3.0
12.0	5.4	6.9	15.8	13.6	7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0	3.3	6.5	6.3
-7.3	4.9	-9.1	-6.5	-6.3	-10.9	-1.9	-8.9	-5.3	-5.1	-3.1	-0.7	0.2	-0.5	8.0	4.9	2.3
6.1	8.3	1.7	8.8	8.0	4.1	8.7	6.2	6.1	6.3	9.0	7.0	8.6	7.4	9.6	5.7	9.6
6.9	7.5	3.7	9.7	7.6	4.6	9.0	7.1	5.9	7.1	9.9	7.4	7.7	6.1	12.1	4.2	6.5
5.0	4.0	-1.3	7.5	9.0	1.9	5.7	3.5	1.1	0.6	5.8	4.3	6.6	3.7	4.0	3.1	4.8
6.3	12.7	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	16.6
10.2	2.1	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	2.3
11.1	2.4	7.1	13.3	12.6	5.2	8.5	5.5	6.1	1.1	-0.1	-2.8	-6.6	-4.8	2.7	1.5	3.0
5.9	-0.2	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	-2.9
4.9	1.9	2.5	5.7	6.6	-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9	3.3	1.6	0.7
14.8	8.2	14.0	15.4	15.1	-4.9	17.8	8.9	17.2	11.9	8.6	14.6	9.0	6.4	15.8	10.4	-0.9
18.6	9.9	18.9	18.1	18.6	-8.3	20.7	10.5	22.0	15.0	10.4	19.7	11.3	8.0	19.8	13.2	-2.4
6.4	1.9	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	0.1
3.4	5.0	1.4	5.4	3.5	0.9	9.2	3.0	6.0	5.0	6.2	9.5	5.2	6.2	5.9	3.6	5.3
7.4	4.7	3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4
8.2	1.8	6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4

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

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

												(%)		
2023												2024		
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
-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	-14.5	1.7
-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	-15.3	1.0
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	-2.2	9.4
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	20.3
-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	5.1
-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	1.1
-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	10.4
-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	3.4
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	8.0
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	15.1
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	2.3
-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	-0.5
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	13.8
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	10.2
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	6.1
-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	5.5
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	6.3
-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	22.2
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	6.7
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	5.9
-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	6.6
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	7.4
-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	12.7
-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	14.6
-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	3.3
-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	-6.0	1.0
-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	-10.4	1.0
-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	-11.7	-2.6
-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	15.7
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	2.5
-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	20.0
-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	8.3

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

Subsektor Sub-sector	2022	2023	2023	
			Q1	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	312,503	331,015	318,572	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	294,898	312,950	300,354	
11 Pembuatan minuman <i>Manufacture of beverages</i>	16,373	16,805	16,770	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	1,232	1,259	1,448	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	84,022	85,961	85,096	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	27,871	28,303	28,115	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	43,591	44,781	43,969	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	12,559	12,878	13,011	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	300,117	306,775	301,925	
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	92,962	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	58,658	59,265	59,308	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	70,120	71,281	70,319	
31 Pembuatan perabot <i>Manufacture of furniture</i>	77,294	81,979	79,337	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	431,348	431,568	434,110	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	17,817	18,473	18,486	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	104,895	103,545	107,580	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	27,325	27,967	26,901	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	281,311	281,583	281,143	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	378,084	386,812	379,977	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	107,304	109,233	105,623	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	111,538	112,157	112,586	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	159,242	165,423	161,768	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	615,997	615,687	615,782	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	416,128	419,283	414,042	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	103,580	102,410	104,635	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	96,289	93,994	97,105	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	213,364	216,739	215,807	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	86,835	87,614	87,037	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	43,427	44,306	44,253	
32 Pembuatan lain <i>Other manufacturing</i>	40,788	40,976	40,934	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	42,314	43,843	43,583	
Pembuatan Manufacturing	Jumlah Total	2,335,435	2,374,557	2,351,269

			2024	2023	2024
Q2	Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)
319,899	330,045	331,015	332,701	318,572	332,701
301,781	312,172	312,950	314,241	300,354	314,241
16,865	16,602	16,805	17,129	16,770	17,129
1,254	1,271	1,259	1,331	1,448	1,331
85,266	84,763	85,961	86,686	85,096	86,686
28,376	28,596	28,303	28,324	28,115	28,324
44,071	43,253	44,781	45,474	43,969	45,474
12,818	12,914	12,878	12,889	13,011	12,889
299,830	302,192	306,775	303,654	301,925	303,654
92,665	93,276	94,250	92,030	92,962	92,030
57,626	58,587	59,265	59,848	59,308	59,848
68,955	68,928	71,281	68,381	70,319	68,381
80,585	81,400	81,979	83,395	79,337	83,395
426,332	431,355	431,568	430,792	434,110	430,792
18,149	18,199	18,473	18,821	18,486	18,821
104,293	102,458	103,545	105,483	107,580	105,483
27,916	29,297	27,967	27,334	26,901	27,334
275,974	281,401	281,583	279,154	281,143	279,154
376,792	384,546	386,812	386,423	379,977	386,423
107,408	109,570	109,233	105,786	105,623	105,786
111,152	111,898	112,157	113,159	112,586	113,159
158,233	163,078	165,423	167,479	161,768	167,479
622,533	623,413	615,687	607,755	615,782	607,755
421,479	423,425	419,283	409,864	414,042	409,864
102,547	104,452	102,410	102,916	104,635	102,916
98,507	95,536	93,994	94,976	97,105	94,976
214,921	216,437	216,739	215,332	215,807	215,332
87,085	87,567	87,614	84,973	87,037	84,973
43,751	44,053	44,306	44,601	44,253	44,601
40,492	41,202	40,976	41,328	40,934	41,328
43,593	43,616	43,843	44,429	43,583	44,429
2,345,574	2,372,752	2,374,557	2,363,344	2,351,269	2,363,344

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

2024										
Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.
319,956	319,899	321,987	323,631	330,045	331,773	331,484	331,015	334,249	333,253	332,701
301,817	301,781	303,808	305,925	312,172	313,811	313,598	312,950	315,935	314,888	314,241
16,874	16,865	16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045	17,129
1,266	1,254	1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320	1,331
85,729	85,266	84,366	84,095	84,763	84,368	86,006	85,961	86,619	86,300	86,686
28,559	28,376	28,140	28,549	28,596	28,519	28,433	28,303	28,464	27,993	28,324
44,258	44,071	43,521	42,881	43,253	42,777	44,583	44,781	45,202	45,287	45,474
12,912	12,818	12,704	12,664	12,914	13,072	12,990	12,878	12,953	13,021	12,889
302,970	299,830	298,729	300,621	302,192	306,093	307,012	306,775	304,136	304,734	303,654
94,135	92,665	92,456	92,885	93,276	94,039	95,049	94,250	93,472	93,238	92,030
57,792	57,626	57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910	59,848
70,361	68,955	68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558	68,381
80,682	80,585	80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028	83,395
431,202	426,332	429,348	431,511	431,355	432,901	432,707	431,568	430,409	430,174	430,792
18,209	18,149	18,202	18,349	18,199	18,408	18,453	18,473	18,245	18,511	18,821
104,624	104,293	102,983	103,371	102,458	103,829	104,131	103,545	103,959	104,451	105,483
28,019	27,916	28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303	27,334
280,350	275,974	279,717	280,635	281,401	281,249	282,053	281,583	280,900	279,909	279,154
379,292	376,792	377,958	381,483	384,546	384,787	384,301	386,812	387,410	385,020	386,423
106,908	107,408	107,795	108,712	109,570	109,021	109,659	109,233	107,161	105,855	105,786
112,081	111,152	111,101	110,940	111,898	112,805	112,006	112,157	113,533	112,816	113,159
160,304	158,233	159,061	161,831	163,078	162,961	162,636	165,423	166,716	166,349	167,479
620,571	622,533	610,281	617,325	623,413	621,335	619,211	615,687	612,053	608,381	607,755
421,194	421,479	411,396	416,465	423,425	421,955	420,728	419,283	414,252	410,364	409,864
102,562	102,547	102,879	104,815	104,452	104,048	103,012	102,410	103,051	102,040	102,916
96,815	98,507	96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978	94,976
216,027	214,921	217,455	216,445	216,437	216,981	216,662	216,739	218,037	217,138	215,332
87,437	87,085	87,860	87,475	87,567	87,763	87,590	87,614	88,016	87,310	84,973
43,826	43,751	44,400	43,820	44,053	44,038	44,156	44,306	44,728	44,592	44,601
40,738	40,492	41,070	41,066	41,202	41,335	41,317	40,976	40,834	40,981	41,328
44,026	43,593	44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254	44,429
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	2,363,344

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

																(%)
2023	2024	2023											2024			
(Jan. - Mac)	(Jan. - Mac)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
5.3	4.4	4.7	5.6	5.3	5.6	5.9	5.5	5.8	6.2	7.4	7.7	6.9	5.9	5.5	4.3	4.4
5.4	4.6	4.8	5.8	5.4	5.8	6.0	5.5	5.9	6.4	7.7	8.0	7.1	6.1	5.7	4.5	4.6
2.9	2.1	2.9	2.7	2.9	2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6	2.8	2.0	2.1
2.4	-8.0	0.6	0.8	2.4	9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2	-1.8	-8.5	-8.0
2.4	1.9	2.5	1.8	2.4	2.8	2.8	3.2	3.1	2.7	3.0	3.1	2.6	2.3	2.1	1.7	1.9
1.9	0.7	1.8	1.2	1.9	2.6	2.8	2.6	2.3	3.3	2.5	2.3	1.6	1.5	1.3	0.5	0.7
1.9	3.4	2.8	1.8	1.9	2.8	2.5	3.2	3.1	2.3	3.2	3.1	2.9	2.7	3.0	3.2	3.4
4.9	-0.9	2.9	3.3	4.9	3.6	3.9	4.5	4.7	2.9	3.6	4.6	3.8	2.5	0.7	-0.7	-0.9
2.3	0.6	2.2	2.4	2.3	2.7	2.5	1.8	2.1	2.6	2.3	2.5	2.3	2.2	0.5	0.4	0.6
1.7	-1.0	0.7	1.9	1.7	1.5	0.6	0.4	0.6	0.9	0.1	0.7	0.9	0.2	-1.2	-2.1	-1.0
4.1	0.9	4.0	4.2	4.1	3.9	2.2	1.8	0.6	1.6	1.7	1.8	1.1	1.0	1.0	0.8	0.9
3.9	-2.8	4.1	3.8	3.9	6.4	7.0	4.6	4.8	5.4	5.3	2.8	1.5	1.7	-2.4	-1.9	-2.8
0.5	5.1	0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1
1.3	-0.8	2.1	2.8	1.3	-0.5	-0.9	-1.2	-0.8	-0.3	-0.4	0.2	0.4	0.1	0.04	-0.3	-0.8
4.3	1.8	4.4	4.1	4.3	5.9	5.4	5.1	3.2	3.8	3.1	4.3	4.4	3.7	2.6	2.9	1.8
2.2	-1.9	3.2	3.7	2.2	2.6	1.7	1.5	0.3	0.9	0.1	0.2	-0.2	-1.3	-1.6	-1.4	-1.9
8.5	1.6	8.6	8.5	8.5	1.3	0.6	-0.3	0.2	1.7	1.6	1.9	2.2	2.3	1.9	1.4	1.6
0.2	-0.7	0.9	1.8	0.2	-2.1	-2.3	-2.7	-1.5	-1.2	-1.1	-0.3	0.3	0.1	0.3	-0.3	-0.7
0.9	1.7	1.3	1.4	0.9	0.8	1.4	1.3	1.3	2.2	2.6	2.5	2.3	2.3	1.8	1.4	1.7
0.4	0.2	1.0	0.8	0.4	0.5	0.8	1.1	0.7	1.8	2.2	1.8	2.0	1.8	-0.6	0.1	0.2
0.3	0.5	0.7	0.4	0.3	0.2	0.9	0.7	0.2	0.1	0.8	0.7	0.5	0.6	0.7	0.3	0.5
1.7	3.5	1.8	2.6	1.7	1.5	2.1	1.8	2.5	3.9	4.1	4.1	3.8	3.9	4.1	3.1	3.5
4.2	-1.3	4.3	4.4	4.2	4.2	4.2	3.4	1.1	1.0	2.0	1.6	0.7	-0.1	0.1	-1.1	-1.3
5.0	-1.0	5.3	5.4	5.0	5.2	5.5	4.4	1.4	1.3	2.9	2.7	1.4	0.8	0.9	-0.7	-1.0
1.8	-1.6	1.3	1.6	1.8	1.6	1.0	0.4	0.6	0.5	0.2	-0.7	-0.8	-1.1	-0.7	-1.8	-1.6
3.8	-2.2	3.4	3.2	3.8	2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4	-2.3	-2.1	-2.2
2.4	-0.2	3.1	2.6	2.4	2.0	2.4	1.6	2.3	1.9	1.8	1.8	1.8	1.6	1.1	0.6	-0.2
2.4	-2.4	3.1	2.3	2.4	2.2	3.0	1.5	2.1	1.6	1.4	1.6	1.5	0.9	1.2	0.3	-2.4
2.1	0.8	3.4	2.9	2.1	1.9	2.3	1.8	2.7	1.0	0.7	0.8	1.3	2.0	1.0	0.6	0.8
3.6	1.0	3.7	3.0	3.6	2.4	2.5	1.8	1.3	1.2	1.2	1.6	1.5	0.5	-0.2	0.2	1.0
1.7	1.9	2.2	2.4	1.7	1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6	2.3	1.8	1.9
2.8	0.5	3.0	3.3	2.8	2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7	1.3	0.6	0.5

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

												(%)		
2023												2024		
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	-0.2
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	-0.2
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	0.5
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	0.9
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	0.4
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	1.2
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	0.4
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	-1.0
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	-0.4
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	-1.3
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	-0.1
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	-0.3
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	0.4
-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	0.1
-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	1.7
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	1.0
-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	0.1
-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	-0.3
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
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	-0.1
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	0.3
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	0.7
-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	-0.1
-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	-0.1
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	0.9
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	-1.0
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	-0.4	-0.8
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	-2.7
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	0.02
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	0.8
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	0.4
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	-0.1

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

Subsektor Sub-sector	2022	2023	2023				2024		2023
			Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	11,028	11,901	2,912	2,909	2,965	3,115	3,042		2,912
10 Pembuatan produk makanan <i>Manufacture of food products</i>	10,433	11,261	2,753	2,755	2,810	2,943	2,874		2,753
11 Pembuatan minuman <i>Manufacture of beverages</i>	532	573	141	139	139	154	151		141
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	63	66	18	16	15	18	17		18
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,909	2,013	503	496	492	521	515		503
13 Pembuatan tekstil <i>Manufacture of textiles</i>	673	706	172	176	178	180	176		172
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	913	964	245	236	231	252	251		245
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	323	343	86	85	83	88	88		86
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9,483	9,927	2,502	2,441	2,448	2,536	2,565		2,502
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	678	662	677	693	694		678
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,100	2,148	548	523	527	550	554		548
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	2,242	2,382	594	600	584	605	623		594
31 Pembuatan perabot <i>Manufacture of furniture</i>	2,556	2,687	683	655	660	689	694		683
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	20,969	21,375	5,355	5,286	5,327	5,407	5,345		5,355
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	2,363	2,502	677	570	592	664	682		677
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	5,831	5,931	1,551	1,458	1,448	1,473	1,501		1,551
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	789	804	188	197	204	215	191		188
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	11,986	12,139	2,939	3,061	3,083	3,055	2,971		2,939
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	3,765	3,664	3,652	3,835	3,947		3,765
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	4,607	4,721	1,144	1,161	1,183	1,233	1,201		1,144
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,180	4,262	1,128	1,058	1,011	1,065	1,144		1,128
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	5,625	5,933	1,494	1,445	1,458	1,537	1,602		1,494
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	29,441	30,130	7,618	7,483	7,334	7,695	7,520		7,618
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	21,078	21,732	5,463	5,447	5,247	5,574	5,415		5,463
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3,939	3,948	1,007	956	1,003	983	975		1,007
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	4,424	4,451	1,148	1,080	1,084	1,139	1,130		1,148
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	7,287	7,528	1,862	1,886	1,850	1,930	1,889		1,862
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3,526	3,625	878	913	898	936	891		878
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,142	1,171	296	294	285	295	307		296
32 Pembuatan lain <i>Other manufacturing</i>	1,300	1,325	328	324	328	345	329		328
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1,319	1,407	359	355	338	355	362		359
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	94,528	97,789	24,517	24,165	24,068	25,039	24,823	24,517

(RM Juta/Million)															
2024	2023												2024		
(Jan. - Mac)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
3,042	978	972	962	964	973	972	978	978	1,009	1,012	1,014	1,089	1,046	1,002	994
2,874	925	919	909	911	922	921	928	927	956	958	957	1,028	989	947	938
151	48	47	47	47	46	45	45	45	49	49	51	54	51	50	50
17	6	6	6	5	5	5	5	5	5	5	5	7	6	6	6
515	173	164	166	166	167	163	162	163	168	167	173	181	177	168	170
176	59	56	57	58	59	59	59	59	60	60	60	61	60	57	59
251	86	79	80	80	79	76	77	76	79	78	84	90	87	82	82
88	29	29	29	28	28	28	27	27	29	29	29	30	30	29	29
2,565	843	832	827	811	823	808	809	816	823	830	835	870	859	857	850
694	226	228	224	222	222	218	224	226	227	229	230	233	234	231	230
554	180	186	182	175	174	174	173	175	179	182	180	188	184	186	183
623	204	193	197	197	203	200	196	197	191	193	199	213	204	210	209
694	233	225	224	217	223	215	216	218	226	226	226	237	237	229	228
5,345	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	1,810
682	216	212	249	188	187	195	190	194	208	217	207	240	216	216	250
1,501	509	512	530	502	472	484	489	483	476	480	478	515	493	497	510
191	65	61	62	68	64	65	67	69	68	70	67	78	66	62	63
2,971	981	968	990	1,017	1,024	1,020	1,022	1,037	1,024	1,016	1,019	1,021	1,003	981	987
3,947	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	1,307
1,201	393	373	379	379	392	390	389	390	404	403	408	422	406	393	402
1,144	382	375	370	356	356	346	336	334	341	342	342	381	391	377	376
1,602	498	501	495	478	488	479	479	485	494	498	499	539	540	532	530
7,520	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	2,470
5,415	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	1,784
975	343	337	327	298	326	332	333	337	333	327	316	340	330	323	321
1,130	393	384	371	363	360	357	354	363	367	370	368	400	386	380	365
1,889	617	624	621	626	635	624	613	616	621	625	628	677	627	633	629
891	292	297	289	301	306	306	297	300	301	303	302	332	298	302	290
307	96	98	103	98	100	96	96	93	96	98	97	99	100	101	107
329	111	109	109	106	110	108	108	110	111	111	111	122	108	109	111
362	119	120	120	122	119	115	113	113	113	113	118	124	120	121	121
24,823	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	8,230

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

																(%)
2023	2024	2023												2024		
(Jan. - Mac)	(Jan. - Mac)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.
7.8	4.5	8.3	8.8	6.3	7.0	7.3	6.5	7.2	7.9	9.6	9.8	8.6	7.6	6.9	3.1	3.3
7.8	4.4	8.4	9.0	6.1	6.9	7.2	6.4	7.1	8.0	9.7	9.9	8.7	7.8	6.9	3.0	3.2
6.9	6.7	7.9	4.0	9.0	7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7	6.6	6.4	7.1
4.5	-3.5	3.8	4.1	5.6	9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5	-0.9	-5.8	-3.8
4.9	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	2.5
3.5	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	2.2
5.7	2.8	5.7	5.5	6.0	7.7	6.6	9.8	5.6	5.0	5.9	5.7	4.1	1.0	2.2	3.0	3.4
5.4	1.6	4.3	5.9	6.1	5.3	7.1	8.5	9.7	4.3	4.9	6.1	5.7	4.8	2.3	1.7	0.9
4.3	2.5	4.1	4.5	4.4	4.0	5.0	4.2	5.1	5.5	5.1	5.2	4.7	4.4	1.9	3.0	2.7
4.2	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	2.5
4.7	1.1	4.1	5.0	4.9	1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5	2.3	0.3	0.8
4.8	4.9	5.1	4.5	4.7	6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4	0.1	8.9	5.8
3.8	1.7	4.8	3.3	3.2	2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2	1.5	1.7	1.9
5.4	-0.2	5.7	6.0	4.7	3.9	0.5	-0.8	-0.2	0.1	0.1	1.4	2.2	0.4	0.4	0.2	-1.2
7.7	0.8	8.1	7.3	7.6	8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1	0.1	1.8	0.6
4.5	-3.2	4.4	4.6	4.4	5.0	1.4	1.2	0.1	0.4	0.1	0.7	0.2	-1.9	-3.1	-2.8	-3.8
4.6	1.4	6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9
5.5	1.1	5.8	6.6	4.1	2.8	-1.2	-2.8	-0.9	-0.8	-0.2	0.8	2.3	0.1	2.3	1.4	-0.4
3.1	4.8	2.9	3.8	2.8	2.7	3.5	3.2	3.2	3.8	4.1	3.8	3.6	4.5	5.1	4.4	5.0
1.9	5.0	4.0	1.6	0.1	0.2	1.8	2.0	1.6	3.0	3.7	3.3	4.4	4.0	3.5	5.5	6.1
3.2	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	1.4
4.1	7.2	1.6	5.8	5.0	4.8	5.0	4.8	5.4	6.4	6.7	6.8	5.6	8.0	8.5	6.3	6.9
3.2	-1.3	2.3	3.2	4.0	3.7	4.8	3.4	2.0	1.6	1.7	1.3	1.2	-0.8	-0.1	-1.8	-1.9
3.7	-0.9	2.8	4.2	4.1	4.6	6.4	4.1	2.5	2.1	2.4	2.2	2.1	0.2	0.9	-1.5	-2.0
1.4	-3.1	0.3	1.3	2.7	2.1	1.7	1.2	1.5	0.8	0.0	-1.2	-2.8	-4.1	-3.6	-4.0	-1.8
2.3	-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	-1.6
2.3	1.4	2.4	2.3	2.2	1.6	5.1	3.8	4.4	3.8	3.6	3.6	3.7	3.4	1.6	1.4	1.3
0.7	1.4	1.0	0.4	0.9	0.3	4.3	3.7	5.0	4.1	3.8	3.9	3.7	2.9	2.4	1.6	0.3
2.4	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	3.5
1.0	0.1	0.3	0.1	2.8	1.9	6.1	1.2	0.9	0.3	0.7	3.5	2.8	2.3	-2.3	0.3	2.3
7.5	0.9	7.0	9.1	6.4	5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1	0.9	0.7	1.0
4.3	1.2	4.0	4.6	4.2	3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1	2.0	1.0	0.7

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

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

												(%)		
2023												2024		
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
-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	-0.9
-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	-0.9
-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	0.4
-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	-1.6
-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	0.9
-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	2.2
-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	0.9
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	-1.4
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	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	-0.5
-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	-1.6
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	-0.8
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	-0.5
-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	3.1
-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	15.8
-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	2.6
-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	1.7
-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	0.6
-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	0.3
-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	2.3
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	-0.5
-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	-0.5
-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	-2.1
-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	-2.0
-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	-0.6
-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	-3.9
-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	-0.5
-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	-3.8
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	5.9
-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	2.0
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	0.1
-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	-0.2

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

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

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
2,327	2,326	2,401	2,269	2,401	Processing and preserving of meat
1,552	1,568	1,496	1,450	1,496	Processing and preserving of fish, crustaceans and molluscs
					Canning of fish, crustaceans and molluscs
1,458	1,463	1,391	1,357	1,391	Processing, curing and preserving of fish, crustacean and molluscs
94	105	105	93	105	Other industry
620	630	640	517	640	Processing and preserving of fruits and vegetable
					Pineapple canning
150	156	154	113	154	Manufacture of jams, marmalades and table jellies
470	474	486	404	486	Other industry
42,807	47,140	39,213	39,293	39,213	Manufacture of vegetable and animal oils and fats
					Manufacture of crude and refined vegetable oil
5,286	5,162	5,065	4,976	5,065	Manufacture of compound cooking fats
307	338	369	315	369	Manufacture of coconut oil
37,214	41,640	33,779	34,003	33,779	Other industry
2,933	2,938	2,855	3,056	2,855	Manufacture of dairy products
2,707	2,710	2,621	2,871	2,621	Manufacture of condensed, powdered and evaporated milk
226	227	234	184	234	Other industry
2,767	2,824	2,927	2,757	2,927	Manufacture of grain mill products, starches and starch products
1,321	1,317	1,382	1,340	1,382	Rice milling
1,366	1,423	1,455	1,334	1,455	Flour milling
79	84	89	83	89	Other industry
15,954	16,646	16,626	14,981	16,626	Manufacture of other food products
1,060	1,193	1,075	839	1,075	Manufacture of biscuits and cookies
3,495	3,315	3,430	3,403	3,430	Manufacture of bread, cakes and other bakery products
859	955	988	698	988	Manufacture of snack products
1,609	1,759	1,626	1,271	1,626	Manufacture of sugar
887	953	1,109	903	1,109	Manufacture of cocoa products
					Manufacture of chocolate and chocolate products
3,365	3,531	3,540	3,441	3,540	Manufacture of sugar confectionery
621	672	666	569	666	Manufacture of sauces and condiments
1,631	1,813	1,680	1,610	1,680	Manufacture of other food products n.e.c.
2,427	2,455	2,513	2,247	2,513	Other industry
5,139	4,876	4,704	4,349	4,704	Manufacture of prepared animal feeds
3,284	3,436	3,399	3,204	3,399	Manufacture of beverages
1,839	1,931	1,885	1,695	1,885	Manufacture of soft drinks
372	349	341	334	341	Production of natural mineral waters and other bottled waters
1,073	1,156	1,174	1,174	1,174	Other industry
807	1,010	1,307	1,196	1,307	Manufacture of tobacco products
1,383	1,365	1,480	1,481	1,480	Spinning, weaving and finishing of textiles
					Preparation and spinning of textile fibres
1,012	968	1,077	1,147	1,077	Weaving of textiles
362	389	395	324	395	Dyeing, bleaching, printing and finishing of yarns and fabrics
9	8	9	11	9	Other industry
1,387	1,506	1,637	1,415	1,637	Manufacture of other textiles
546	565	617	584	617	Manufacture of knitted and crocheted fabrics
841	941	1,020	831	1,020	Other industry
2,276	2,439	2,506	2,410	2,506	Manufacture of wearing apparel, except fur apparel
2,029	2,159	2,186	2,096	2,186	Manufacture of clothings
247	280	321	314	321	Other industry
115	136	149	123	149	Manufacture of articles of fur, knitted and crocheted apparel
466	584	541	508	541	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
215	240	230	215	230	Manufacture of footwear
					Manufacture of leather footwear
143	163	156	138	156	Manufacture of rubber footwear
72	77	74	77	74	Other industry
1,458	1,694	1,798	1,965	1,798	Sawmilling and planning of wood

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	733	772	765	802	803	789	760
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	512	457	481	466	524	496	520
10201 & 10202	Pengetinan ikan, krustasea dan moluska	482	426	449	436	491	465	491
	Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	30	31	32	30	33	31	29
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	160	165	192	187	202	210	204
10303 & 10304	Pengetinan nanas	34	36	43	41	49	55	50
	Pembuatan jem, marmalad dan sajian jeli Industri lain	126	129	149	147	153	155	154
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	13,900	13,145	12,248	12,871	13,339	13,388	12,867
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	1,582	1,687	1,707	1,711	1,821	1,695	1,671
10405	Pembuatan sebatian lemak masakan	119	103	93	82	103	86	95
	Pembuatan minyak kelapa Industri lain	12,199	11,355	10,449	11,078	11,415	11,607	11,100
105	Pembuatan produk tenusu	975	1,001	1,080	1,068	1,091	1,022	951
10502	Pembuatan susu pekat, tepung dan sejat Industri lain	908	943	1,020	1,007	1,023	952	880
		67	58	60	61	67	70	71
106	Pembuatan produk bijian, kanji dan produk berkanji	872	931	955	936	970	896	891
10611 & 10613	Pengilangan beras	400	470	470	468	493	426	427
	Pengilangan tepung Industri lain	443	434	457	441	451	445	438
		29	27	27	26	26	25	26
107	Pembuatan produk makanan lain	4,918	4,979	5,084	4,976	5,442	5,252	5,151
10711 & 10712	Pembuatan biskut dan cookies	265	286	288	288	333	331	351
10713	Pembuatan roti, kek dan produk bakeri lain	1,146	1,094	1,163	1,108	1,265	1,234	1,181
10721	Pembuatan produk snek	218	225	255	251	277	268	265
10731	Pembuatan gula	417	429	425	425	502	548	507
10732 & 10733	Pembuatan produk koko	295	328	280	280	309	280	296
	Pembuatan coklat dan produk coklat	1,156	1,136	1,148	1,136	1,214	1,098	1,071
10793	Pembuatan konfeksi gula	176	194	199	203	177	195	190
10799	Pembuatan sos dan bahan perasa	521	539	549	528	551	503	498
	Pembuatan produk makanan lain t.t.t.l. Industri lain	724	748	775	757	814	794	792
108/10800	Pembuatan makanan haiwan tersedia	1,400	1,432	1,518	1,616	1,698	1,680	1,712
110	Pembuatan minuman ringan	1,047	1,043	1,114	1,118	1,049	964	1,065
11041 & 11042	Pembuatan minuman ringan	537	556	603	606	543	527	633
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	101	113	121	121	115	108	119
		410	374	390	391	391	329	313
120/12000	Pembuatan produk tembakau	394	349	452	359	376	262	258
131	Pemintalan, penenunan dan penyiapan tekstil	510	465	506	486	510	490	470
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	397	360	390	376	398	365	352
13132	Penenunan tekstil	110	101	113	107	109	122	115
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4	3	3	3	3	3	3
139	Pembuatan tekstil lain	473	473	469	459	459	462	455
13910	Pembuatan fabrik dikait dan dikrusye Industri lain	194	195	195	190	189	190	181
		279	278	274	269	270	272	274
141	Pembuatan pakaian, kecuali pakaian berbulu	800	806	804	761	769	733	774
14102	Pembuatan pakaian Industri lain	704	703	689	674	685	650	693
		97	102	115	87	84	83	81
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	39	41	42	37	37	37	36
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	171	165	173	151	151	137	140
152	Pembuatan kasut	74	69	72	73	70	67	69
15201 & 15203	Pembuatan kasut kulit	49	44	46	46	45	44	45
	Pembuatan kasut getah Industri lain	25	25	27	26	25	23	24
161/16100	Pengilangan dan pengetaman kayu	618	631	716	560	452	366	382

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
782	784	784	797	745	789	810	803	Processing and preserving of meat
514	518	534	526	508	531	474	491	Processing and preserving of fish, crustaceans and molluscs
483	483	500	490	473	495	439	458	Canning of fish, crustaceans and molluscs
31	34	34	35	35	36	35	34	Processing, curing and preserving of fish, crustacean and molluscs
201	215	212	215	204	221	206	214	Processing and preserving of fruits and vegetable
48	52	54	53	49	52	49	53	Pineapple canning
153	163	158	161	155	169	156	161	Manufacture of jams, marmalades and table jellies
13,984	15,956	16,104	15,540	15,496	15,661	11,973	11,579	Manufacture of vegetable and animal oils and fats
1,780	1,834	1,792	1,628	1,741	1,836	1,604	1,625	Manufacture of crude and refined vegetable oil
105	107	117	100	121	120	127	122	Manufacture of compound cooking fats
12,098	14,016	14,195	13,811	13,634	13,705	10,243	9,832	Manufacture of coconut oil
1,008	974	997	1,014	927	927	932	995	Manufacture of dairy products
933	895	918	938	854	845	856	919	Manufacture of condensed, powdered and evaporated milk
75	79	79	76	72	82	76	76	Other industry
919	957	953	944	927	981	917	1,029	Manufacture of grain mill products, starches and starch products
437	457	448	435	435	450	424	509	Rice milling
456	472	477	482	465	501	465	490	Flour milling
25	28	28	28	28	30	28	31	Other industry
5,362	5,441	5,530	5,633	5,483	5,573	5,383	5,670	Manufacture of other food products
353	356	384	410	399	368	334	373	Manufacture of biscuits and cookies
1,212	1,103	1,110	1,111	1,094	1,173	1,103	1,155	Manufacture of bread, cakes and other bakery products
289	305	309	327	319	339	300	349	Manufacture of snack products
529	572	592	605	562	535	539	552	Manufacture of sugar
295	296	321	320	313	370	375	364	Manufacture of cocoa products
1,135	1,159	1,155	1,204	1,172	1,143	1,148	1,248	Manufacture of chocolate and chocolate products
208	223	223	223	226	225	219	222	Manufacture of sugar confectionery
542	592	609	614	590	577	555	548	Manufacture of sauces and condiments
799	836	828	820	807	843	812	858	Manufacture of other food products n.e.c.
1,711	1,717	1,729	1,668	1,479	1,538	1,521	1,646	Manufacture of prepared animal feeds
1,124	1,095	1,231	1,117	1,089	1,115	1,091	1,193	Manufacture of beverages
619	587	685	616	630	628	592	665	Manufacture of soft drinks
127	126	123	117	109	109	114	118	Production of natural mineral waters and other bottled waters
377	383	423	384	350	379	384	411	Other industry
286	263	350	338	322	410	407	490	Manufacture of tobacco products
478	435	444	458	463	519	476	485	Spinning, weaving and finishing of textiles
352	308	310	325	333	375	341	361	Preparation and spinning of textile fibres
123	124	131	131	127	141	132	121	Weaving of textiles
3	3	3	3	2	3	3	2	Dyeing, bleaching, printing and finishing of yarns and fabrics
462	469	493	510	502	552	542	544	Manufacture of other textiles
184	180	187	191	188	206	205	206	Manufacture of knitted and crocheted fabrics
278	289	306	319	315	345	337	338	Other industry
746	756	786	845	809	850	785	870	Manufacture of wearing apparel, except fur apparel
668	668	694	747	718	748	680	757	Manufacture of clothings
78	89	91	98	91	102	105	113	Other industry
35	43	46	48	43	49	49	51	Manufacture of articles of fur, knitted and crocheted apparel
154	172	190	206	187	182	176	184	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
75	71	77	81	81	82	74	74	Manufacture of footwear
50	48	52	55	55	56	49	51	Manufacture of leather footwear
25	23	25	26	26	26	25	23	Manufacture of rubber footwear
555	522	583	564	547	606	534	658	Sawmilling and planing of wood

Jadual
Table

1.4a

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	19,222	18,113	5,538	3,598
16211	Pembuatan kepingan venier dan papan lapis	9,087	9,198	2,846	1,779
16212	Pembuatan papan partikel dan papan gentian	5,885	5,112	1,543	1,046
16221	Pertukangan kayu untuk jurubina	2,156	2,034	621	394
	Industri lain	2,094	1,769	527	380
170	Pembuatan kertas dan produk kertas	28,260	29,883	7,561	7,377
17010	Pembuatan pulpa, kertas dan kertas tebal	5,903	5,677	1,471	1,339
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10,746	10,374	2,688	2,527
17091	Pembuatan sampul surat dan kad surat	374	375	102	95
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,998	6,791	1,740	1,725
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3,284	3,906	941	1,019
	Industri lain	1,955	2,760	618	672
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13,709	14,526	3,812	3,452
18110	Percetakan	10,953	11,353	2,899	2,677
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	2,756	3,172	913	776
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	249,901	224,749	55,680	56,542
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	74,078	68,175	18,784	16,292
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,036	1,706	529	385
20112 & 20113	Pembuatan kimia organik asas	38,698	34,217	9,870	7,970
20121 & 20129	Pembuatan sebatian bukan organik	5,859	4,778	1,417	1,241
20131	Pembuatan baja	21,813	22,266	5,553	5,399
	Pembuatan produk campuran nitrogen	5,671	5,208	1,415	1,298
	Pembuatan plastik dalam bentuk primer				
	Industri lain				
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	37,507	44,200	10,849	10,495
20210	Pembuatan racun perosak dan produk agrokimia lain	4,109	5,078	1,246	1,209
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,181	13,718	3,126	3,314
20222	Pembuatan dakwat cetak	1,149	1,107	293	281
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	13,833	15,295	3,845	3,646
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	2,128	1,885
20299	Pembuatan dakwat menulis dan melukis				
	Pembuatan produk kimia lain t.t.t.l.				
	Industri lain	726	762	210	161
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10,181	10,708	2,702	2,629
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	8,413	8,789	2,218	2,186
	Industri lain	1,768	1,919	484	443
221	Pembuatan produk getah	65,736	59,737	14,721	16,387
22111	Pembuatan tayar getah untuk kenderaan	4,203	2,600	747	694
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	682	867	210	213
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	7,313	6,074	1,504	1,475
22193	Pengilangan semula getah dan prosesan susu getah				
22192	Pembuatan sarung tangan getah	46,911	44,199	10,824	12,555
22199	Pembuatan produk getah lain yang t.t.t.l.	6,626	5,997	1,436	1,449
222	Pembuatan produk plastik	61,804	61,440	14,170	15,832
22201	Pembuatan produk plastik separa siap				
22202	Pembuatan produk plastik siap	16,740	15,859	3,823	4,204
22203	Pembuatan artikel plastik untuk pembungkusan barangan	21,473	21,068	4,817	5,424
22204	Pembuatan barangan plastik jurubina	2,163	3,053	622	760
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7,037	7,594	1,718	2,136
22209	Pembuatan pelbagai produk plastik t.t.t.l.	14,390	13,866	3,190	3,308
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,410	5,230	1,412	1,304

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
3,895	5,082	5,611	5,538	5,611	Manufacture of products of wood, cork, straw and plaiting materials
1,939	2,634	2,923	2,846	2,923	Manufacture of veneer sheets and plywood
1,110	1,413	1,559	1,543	1,559	Manufacture of particle board and fibreboard
449	570	621	621	621	Manufacture of builders' carpentry
396	465	508	527	508	Other industry
7,381	7,564	7,711	7,561	7,711	Manufacture of paper and paper products
1,387	1,479	1,494	1,471	1,494	Manufacture of pulp, paper and paperboard
2,531	2,629	2,459	2,688	2,459	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
90	88	87	102	87	Manufacture of envelopes and letter-card
1,689	1,638	1,758	1,740	1,758	Manufacture of household and personal hygiene paper
963	983	1,098	941	1,098	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
722	748	814	618	814	Other industry
3,457	3,804	3,948	3,812	3,948	Printing, service activities related to printing and reproduction of recorded media
2,737	3,041	3,187	2,899	3,187	Printing
720	764	762	913	762	Service activities related to printing
					Reproduction of recorded media
58,478	54,050	48,509	55,680	48,509	Manufacture of refined petroleum products
16,825	16,274	17,271	18,784	17,271	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
367	424	449	529	449	Manufacture of liquefied or compressed inorganic industrial or medical gases
8,360	8,018	8,901	9,870	8,901	Manufacture of basic organic chemicals
1,108	1,013	910	1,417	910	Manufacture of inorganic compounds
5,713	5,600	5,695	5,553	5,695	Manufacture of fertilizers
1,276	1,220	1,317	1,415	1,317	Manufacture of associated nitrogen products
11,343	11,514	12,324	10,849	12,324	Manufacture of plastics in primary forms
1,327	1,295	1,297	1,246	1,297	Other industry
3,611	3,668	4,315	3,126	4,315	Manufacture of other chemical products and man-made fibres
276	257	314	293	314	Manufacture of pesticides and other agrochemical products
3,965	3,838	4,062	3,845	4,062	Manufacture of paints, varnishes and similar coatings ink and mastics
					Manufacture of printing ink
					Manufacture of soap and detergents, cleaning and polishing preparations
					Manufacture of perfumes and toilet preparations
					Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
1,992	2,235	2,152	2,128	2,152	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
171	221	184	210	184	Other industry
2,714	2,663	2,848	2,702	2,848	Manufacture of pharmaceuticals, medicinal chemical and botanical products
2,206	2,180	2,324	2,218	2,324	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
508	484	524	484	524	Other industry
14,416	14,213	15,366	14,721	15,366	Manufacture of rubber products
620	540	512	747	512	Manufacture of rubber tyres for vehicles
216	228	220	210	220	Manufacture of interchangeable tyre treads and retreading rubber tyres
1,448	1,647	1,609	1,504	1,609	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
10,591	10,229	11,433	10,824	11,433	Rubber remilling and latex processing
1,541	1,570	1,591	1,436	1,591	Manufacture of rubber gloves
15,778	15,660	14,931	14,170	14,931	Manufacture of other rubber products n.e.c.
3,996	3,836	3,724	3,823	3,724	Manufacture of plastics products
5,431	5,395	5,141	4,817	5,141	Manufacture of semi-manufactures of plastic products
839	832	768	622	768	Manufacture of finished plastic products
1,970	1,770	1,683	1,718	1,683	Manufacture of plastic articles for the packing of goods
3,542	3,826	3,616	3,190	3,616	Manufacture of builders' plastics ware
					Manufacture of plastic tableware, kitchenware and toilet articles
					Manufacture of diverse plastic products n.e.c.
1,212	1,303	1,477	1,412	1,477	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	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,862	1,784	1,891	1,466	1,159	972	970
16211	Pembuatan kepingan venier dan papan lapis	960	917	969	741	569	468	460
16212	Pembuatan papan partikel dan papan gentian	505	498	540	419	344	282	282
16221	Pertukangan kayu untuk jurubina	221	196	203	156	125	114	122
	Industri lain	176	173	179	151	121	108	106
170	Pembuatan kertas dan produk kertas	2,418	2,505	2,639	2,584	2,437	2,356	2,354
17010	Pembuatan pulpa, kertas dan kertas tebal	498	512	461	458	467	414	417
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	868	878	942	888	845	794	806
17091	Pembuatan sampul surat dan kad surat	36	31	35	33	31	31	30
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	540	566	634	616	566	543	540
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	282	309	350	369	298	351	327
	Industri lain	193	209	216	219	230	223	233
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,262	1,284	1,266	1,189	1,132	1,131	1,143
	18110 Percetakan	948	969	982	923	875	879	899
	18120 Aktiviti perkhidmatan berkaitan percetakan							
	&							
	18200 Penerbitan semula media rakaman	314	315	284	266	257	252	245
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	21,738	16,662	17,279	18,063	19,413	19,065	18,598
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6,184	6,168	6,432	5,444	5,510	5,338	5,404
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	198	177	154	132	137	116	128
20112 & 20113	Pembuatan kimia organik asas	3,255	3,264	3,351	2,778	2,602	2,590	2,646
	Pembuatan sebatian bukan organik							
20121 & 20129	Pembuatan baja	485	455	477	425	463	353	349
	Pembuatan produk campuran nitrogen							
20131	Pembuatan plastik dalam bentuk primer	1,774	1,804	1,975	1,676	1,874	1,850	1,863
	Industri lain	473	468	474	434	435	429	419
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3,618	3,460	3,771	3,282	3,591	3,622	3,665
20210	Pembuatan racun perosak dan produk agrokimia lain	435	389	423	394	378	436	435
20221	Pembuatan cat, varnis dan penyadur dan mastik	982	984	1,160	999	1,153	1,163	1,143
20222	Pembuatan dakwat cetak	101	96	96	90	95	95	96
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	1,245	1,244	1,357	1,120	1,270	1,255	1,305
	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	627
	Pembuatan dakwat menulis dan melukis							
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	71	66	72	60	53	48	60
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	875	885	942	898	821	910	885
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	719	725	774	756	682	748	717
	Industri lain	156	159	168	142	139	162	167
221	Pembuatan produk getah	4,562	4,251	5,907	5,670	5,446	5,270	5,092
22111	Pembuatan tayar getah untuk kenderaan	254	239	254	226	239	229	224
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	71	78	68	73	72	68
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	509	463	531	490	497	488	496
	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	3,259	3,024	4,542	4,403	4,167	3,984	3,782
22199	Pembuatan produk getah lain yang t.t.t.l.	479	454	503	483	470	497	522
222	Pembuatan produk plastik	4,539	4,530	5,101	5,306	5,533	4,993	5,287
22201	Pembuatan produk plastik separa siap							
& 22202	Pembuatan produk plastik siap	1,210	1,240	1,373	1,371	1,464	1,368	1,358
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,565	1,555	1,698	1,799	1,921	1,703	1,842
22204	Pembuatan barangan plastik jurubina	162	201	260	254	264	241	276
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	560	507	651	721	714	702	676
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,043	1,028	1,120	1,161	1,169	978	1,134
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	474	454	484	447	445	412	419

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
1,370	1,555	1,728	1,697	1,657	1,876	1,757	1,978	Manufacture of products of wood, cork, straw and plaiting materials
672	807	906	886	842	969	930	1,025	Manufacture of veneer sheets and plywood
386	442	470	465	477	531	470	558	Manufacture of particle board and fibreboard
168	159	196	193	181	201	201	219	Manufacture of builders' carpentry
144	146	156	153	157	175	157	176	Other industry
2,495	2,533	2,531	2,534	2,499	2,579	2,537	2,595	Manufacture of paper and paper products
478	492	502	488	489	507	519	469	Manufacture of pulp, paper and paperboard
839	886	889	879	861	863	762	834	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
30	30	30	29	29	30	28	29	Manufacture of envelopes and letter-card
587	562	540	559	539	555	574	628	Manufacture of household and personal hygiene paper
317	319	327	323	333	352	388	358	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
244	245	242	255	250	272	266	276	Other industry
1,148	1,165	1,151	1,341	1,312	1,321	1,316	1,310	Printing, service activities related to printing and reproduction of recorded media
904	934	910	1,081	1,050	1,059	1,056	1,071	Printing
244	231	242	260	262	262	260	239	Service activities related to printing
								Reproduction of recorded media
20,301	19,579	19,927	18,597	15,525	17,176	15,204	16,129	Manufacture of refined petroleum products
5,980	5,440	5,289	5,472	5,513	5,877	5,607	5,788	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
124	115	126	156	143	144	143	162	Manufacture of liquefied or compressed inorganic industrial or medical gases
3,017	2,697	2,494	2,724	2,799	3,011	2,939	2,950	Manufacture of basic organic chemicals
								Manufacture of inorganic compounds
402	357	359	339	315	290	272	348	Manufacture of fertilizers
1,987	1,863	1,889	1,856	1,855	1,962	1,829	1,903	Manufacture of associated nitrogen products
451	407	422	396	401	470	423	424	Manufacture of plastics in primary forms
								Other industry
3,860	3,818	3,789	3,826	3,899	4,446	3,772	4,106	Manufacture of other chemical products and man-made fibres
452	441	463	432	400	448	436	413	Manufacture of pesticides and other agrochemical products
1,250	1,218	1,195	1,189	1,284	1,515	1,285	1,514	Manufacture of paints, varnishes and similar coatings ink and mastics
95	85	77	91	89	110	98	107	Manufacture of printing ink
1,377	1,284	1,246	1,282	1,310	1,539	1,231	1,292	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
641	725	742	758	735	768	663	721	Manufacture of writing and drawing ink
								Manufacture of other chemical products n.e.c.
45	66	66	75	80	65	59	59	Other industry
905	925	933	871	859	904	942	1,001	Manufacture of pharmaceuticals, medicinal chemical and botanical products
737	752	756	720	703	730	768	826	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
168	173	176	152	155	174	175	175	Other industry
4,577	4,748	4,914	4,733	4,566	4,890	4,468	6,007	Manufacture of rubber products
201	195	203	170	167	177	165	171	Manufacture of rubber tyres for vehicles
70	78	79	77	72	75	68	77	Manufacture of interchangeable tyre treads and retreading rubber tyres
473	479	542	553	552	552	492	564	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
								Rubber remilling and latex processing
3,332	3,478	3,569	3,412	3,248	3,527	3,248	4,658	Manufacture of rubber gloves
501	518	522	521	527	559	495	537	Manufacture of other rubber products n.e.c.
5,263	5,229	5,212	5,265	5,183	4,937	4,742	5,252	Manufacture of plastics products
								Manufacture of semi-manufactures of plastic products
1,302	1,336	1,310	1,264	1,262	1,234	1,161	1,329	Manufacture of finished plastic products
1,803	1,786	1,786	1,838	1,771	1,680	1,657	1,804	Manufacture of plastic articles for the packing of goods
279	284	279	294	259	248	241	279	Manufacture of builders' plastics ware
664	631	634	562	573	564	527	592	Manufacture of plastic tableware, kitchenware and toilet articles
1,215	1,193	1,202	1,308	1,317	1,212	1,156	1,248	Manufacture of diverse plastic products n.e.c.
417	376	386	449	467	506	486	485	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	2023	
				Q1	Q2
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	43,875	47,547	12,693	11,322
23911 & 23921	Pembuatan mortar refraktori dan konkrit				
		2,277	2,458	629	588
23930	Pembuatan seramik bukan refraktori				
23941	Pembuatan produk porselin dan seramik lain	1,089	1,012	262	243
23951	Pembuatan simen hidrolik	10,925	12,283	3,383	2,970
23952 & 23953 & 23959	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8,191	8,934	2,404	2,138
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;				
23953 & 23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	15,461	16,587	4,325	3,901
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.				
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4,414	4,620	1,242	1,062
	Industri lain	1,518	1,653	449	419
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	29,018	30,976	8,308	6,719
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	24,571	24,813	6,819	5,533
243	Pengacuan logam	620	667	157	166
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	28,731	32,069	8,155	8,090
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	20,096	22,561	5,823	5,770
25120	Pembuatan produk struktur logam lain				
	Pembuatan tangki, takungan dan kontena daripada logam	7,862	8,681	2,106	2,113
	Industri lain	773	827	226	207
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	35,818	38,167	9,607	9,275
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5,194	5,470	1,347	1,350
25920	Rawatan dan penyalutan logam; menggunakan mesin	3,556	4,010	1,117	942
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	5,846	6,221	1,467	1,461
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	12,166	11,949	3,078	2,970
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				
25994	Pembuatan barangan rumah daripada logam	260	294	73	72
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7,898	8,930	2,217	2,176
	Industri lain	899	1,293	308	305
261	Pembuatan komponen dan papan elektronik	346,163	354,760	91,403	86,283
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	206,533	200,443	51,831	47,614
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro				
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik				
26104 & 26105	Pembuatan papan litar bercetak	128,538	139,308	36,755	35,195
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	11,092	15,010	2,817	3,475
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	50,499	51,617	12,823	14,482
263/ 26300	Pembuatan peralatan komunikasi	14,515	20,566	4,038	5,251
264/ 26400	Pembuatan peralatan elektronik pengguna	42,850	42,208	9,986	9,727
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	18,336	18,911	4,552	3,959
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	16,116	16,835	4,103	3,521
26520	Pembuatan kelengkapan kawalan proses perindustrian				
	Pembuatan jam tangan dan jam dan bahagiannya	2,220	2,076	448	438
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	5,147	5,382	1,273	1,203

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
11,373	12,159	13,691	12,693	13,691	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
602	639	661	629	661	Manufacture of non-refractory ceramic
246	261	226	262	226	Manufacture of other porcelain and ceramic products
2,873	3,057	3,473	3,383	3,473	Manufacture of hydraulic cement
2,148	2,243	2,529	2,404	2,529	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
4,011	4,349	5,066	4,325	5,066	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.
1,102	1,214	1,331	1,242	1,331	Manufacture of other non-metallic mineral products n.e.c.
391	395	405	449	405	Other industry
7,201	8,748	8,906	8,308	8,906	Manufacture of basic iron and steel
5,476	6,986	6,795	6,819	6,795	Manufacture of basic precious and other non-ferrous metals
168	177	188	157	188	Casting of metals
7,579	8,244	9,084	8,155	9,084	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition Manufacture of metal doors, windows and their frames, shutters and gates
5,266	5,702	6,415	5,823	6,415	Manufacture of other structural metal products
2,113	2,349	2,478	2,106	2,478	Manufacture of tanks, reservoirs and containers of metal
200	193	191	226	191	Other industry
9,153	10,132	10,928	9,607	10,928	Manufacture of other fabricated metal products; metal working service activities Forging, pressing, stamping and roll-forming of metal; powder metallurgy
1,370	1,404	1,385	1,347	1,385	Treatment and coating of metals; machining
881	1,070	1,379	1,117	1,379	Manufacture of tins and cans for food products, collapsible tubes and boxes
1,563	1,730	1,848	1,467	1,848	Manufacture of metal cable, plaited bands and similar articles
2,814	3,086	3,469	3,078	3,469	Manufacture of bolts, screws, nuts and similar threaded products
73	76	81	73	81	Manufacture of metal household articles
2,125	2,412	2,402	2,217	2,402	Manufacture of any other fabricated metal products n.e.c.
327	353	364	308	364	Other industry
92,043	85,031	89,033	91,403	89,033	Manufacture of electronic components and boards Manufacture of diodes, transistors and similar semiconductor devices
53,011	47,987	50,016	51,831	50,016	Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
34,826	32,532	33,996	36,755	33,996	Manufacture of printed circuit boards
					Manufacture of display components
4,205	4,513	5,021	2,817	5,021	Manufacture of other components for electronic applications
11,940	12,372	16,081	12,823	16,081	Manufacture of computers and peripheral equipment
6,011	5,266	5,349	4,038	5,349	Manufacture of communication equipment
11,729	10,766	9,668	9,986	9,668	Manufacture of consumer electronics
4,897	5,503	5,135	4,552	5,135	Manufacture of measuring, testing, navigating and control equipment; watches and clocks Manufacture of measuring, testing, navigating and control equipment
4,315	4,895	4,648	4,103	4,648	Manufacture of industrial process control equipment
582	608	487	448	487	Manufacture of watches and clocks and parts
1,334	1,572	1,598	1,273	1,598	Manufacture of irradiation, electromedical and electrotherapeutic equipment

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	4,113	4,221	4,359	3,934	3,686	3,702	3,719
23911 & 23921	Pembuatan mortar refraktori dan konkrit	202	210	217	198	198	193	187
23930	Pembuatan produk porselin dan seramik lain	93	88	81	81	83	80	83
23941	Pembuatan simen hidrolik	1,109	1,113	1,161	1,061	951	957	962
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	782	802	820	718	709	711	721
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,393	1,437	1,495	1,359	1,256	1,286	1,295
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	344
	Industri lain	148	144	157	144	140	135	127
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,654	2,742	2,912	2,441	2,174	2,104	1,972
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	2,236	2,255	2,327	2,241	1,853	1,438	1,362
243	Pengacuan logam	52	51	54	55	54	57	49
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	2,817	2,584	2,753	2,729	2,673	2,688	2,515
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	1,991	1,891	1,941	1,935	1,927	1,908	1,702
25120	Pembuatan produk struktur logam lain							
	Pembuatan tangki, takungan dan kontena daripada logam	749	620	736	725	677	711	743
	Industri lain	77	73	76	68	69	70	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	3,002
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	451	439	457	455	445	450	454
25920	Rawatan dan penyalutan logam; menggunakan mesin	405	389	324	329	305	307	304
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	487	494	487	482	488	491	492
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,029	1,050	1,000	994	998	978	943
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya							
25999	Pembuatan barangan rumah daripada logam	25	24	24	25	24	23	25
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	741	759	717	808	695	673	683
	Industri lain	101	101	106	108	102	95	104
261	Pembuatan komponen dan papan elektronik	26,192	30,366	34,845	27,463	27,561	31,258	28,660
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	15,208	16,733	19,891	14,665	15,171	17,778	16,886
26103 & 26104	Pembuatan kapasitor dan perintang elektrik							
26105	Pembuatan papan litar bercetak	10,127	12,740	13,888	11,764	11,262	12,169	10,545
26109	Pembuatan komponen paparan							
	Pembuatan komponen lain untuk aplikasi elektronik	858	894	1,065	1,035	1,129	1,311	1,228
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	4,127	4,527	4,168	5,447	4,606	4,428	4,360
263/ 26300	Pembuatan peralatan komunikasi	1,190	1,242	1,605	1,591	1,652	2,008	1,685
264/ 26400	Pembuatan peralatan elektronik pengguna	3,048	3,165	3,773	3,177	3,240	3,310	3,563
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,600	1,370	1,582	1,195	1,274	1,490	1,482
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1,440	1,231	1,433	1,062	1,135	1,324	1,291
26520	Pembuatan kelengkapan kawalan proses perindustrian							
	Pembuatan jam tangan dan jam dan bahagiannya	161	139	149	133	139	166	191
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	398	407	468	389	383	430	403

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
3,816	3,839	3,728	4,164	4,267	4,634	4,383	4,673	Manufacture of non-metallic mineral products n.e.c.
								Manufacture of refractory mortars and concretes
195	219	207	219	213	229	213	219	Manufacture of non-refractory ceramic
85	79	85	89	87	79	76	72	Manufacture of other porcelain and ceramic products
967	944	942	1,065	1,050	1,139	1,114	1,219	Manufacture of hydraulic cement
722	706	677	769	797	853	809	867	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,350	1,366	1,306	1,471	1,572	1,769	1,602	1,695	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.
370	388	380	418	415	424	432	475	Manufacture of other non-metallic mineral products n.e.c.
127	136	130	132	133	141	139	126	Other industry
2,336	2,893	2,844	3,010	2,894	2,810	2,959	3,136	Manufacture of basic iron and steel
1,785	2,328	2,368	2,304	2,314	2,265	2,183	2,346	Manufacture of basic precious and other non-ferrous metals
58	60	61	58	57	65	60	64	Casting of metals
2,534	2,530	2,556	2,726	2,963	3,111	2,958	3,015	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
1,794	1,771	1,742	1,879	2,081	2,219	2,105	2,092	Manufacture of metal doors, windows and their frames, shutters and gates
								Manufacture of other structural metal products
672	697	752	781	816	825	791	862	Manufacture of tanks, reservoirs and containers of metal
68	62	62	66	65	67	62	62	Other industry
3,058	3,093	3,234	3,287	3,611	3,690	3,413	3,825	Manufacture of other fabricated metal products; metal working service activities
469	447	468	466	470	471	450	464	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
275	302	333	329	408	428	416	534	Treatment and coating of metals; machining
533	538	544	553	633	641	573	633	Manufacture of tins and cans for food products, collapsible tubes and boxes
								Manufacture of metal cable, plaited bands and similar articles
935	937	991	1,008	1,088	1,142	1,119	1,208	Manufacture of bolts, screws, nuts and similar threaded products
24	24	26	25	26	28	28	26	Manufacture of metal household articles
709	734	760	784	868	862	706	834	Manufacture of any other fabricated metal products n.e.c.
112	112	113	122	118	117	121	125	Other industry
30,278	33,106	30,059	27,813	27,159	25,596	29,355	34,082	Manufacture of electronic components and boards
								Manufacture of diodes, transistors and similar semiconductor devices
17,406	18,719	17,006	15,168	15,812	14,200	16,257	19,559	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
11,564	12,717	11,482	11,167	9,882	9,728	11,457	12,810	Manufacture of printed circuit boards
								Manufacture of display components
1,307	1,670	1,571	1,477	1,465	1,668	1,641	1,713	Manufacture of other components for electronic applications
4,587	2,993	4,259	3,932	4,181	4,767	5,333	5,980	Manufacture of computers and peripheral equipment
1,958	2,368	1,664	1,679	1,924	1,691	1,717	1,940	Manufacture of communication equipment
3,814	4,352	3,792	3,746	3,229	3,075	3,155	3,439	Manufacture of consumer electronics
1,557	1,859	1,851	1,818	1,835	1,730	1,610	1,795	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
1,368	1,657	1,642	1,614	1,639	1,559	1,456	1,632	Manufacture of industrial process control equipment
189	202	209	204	195	171	153	163	Manufacture of watches and clocks and parts
469	461	510	553	509	590	480	528	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.4a : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
: Sales Value of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2,249	2,794	623	627
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	17,122	19,166	4,201	4,450
27101	Pembuatan motor elektrik, penjana dan transformer	5,476	5,224	1,169	1,159
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	11,645	13,941	3,032	3,291
272/ 27200	Pembuatan bateri dan akumulator	6,645	6,421	1,571	1,710
273	Pembuatan pendawaian dan peranti pendawaian	10,643	9,713	2,436	2,385
27310	Pembuatan kabel gentian optikal	354	450	104	120
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	9,610	8,681	2,191	2,118
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	679	581	141	147
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,635	1,789	402	397
275/ 27500	Pembuatan perkakasan domestik	11,917	11,454	2,824	2,889
279/ 27900	Pembuatan kelengkapan elektrik lain	8,087	9,320	2,148	2,325
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	45,720	44,872	10,815	11,534
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2,983	2,670	598	590
28180 & 28220	Pembuatan pam, pemampat, kepala paip dan injap lain	10,965	10,653	2,481	2,692
28192	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	11,209	9,379	2,366	2,640
28290	Pembuatan jentera pembentukan logam dan alatan mesin	8,316	8,173	2,170	2,137
	Industri lain	12,248	13,996	3,201	3,474
291 (29101 & 29102)	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	43,437	49,965	12,356	9,860
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,706	8,423	2,099	2,050
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	38,077	42,867	10,188	10,295
301 (30110 & 30120)	Pembinaan kapal dan bot	5,169	5,777	1,622	1,529
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	2,455	2,417
30910	Pembuatan motosikal	2,577	2,722	600	637
30920	Pembuatan basikal dan <i>invalid carriages</i>	2,879	2,327	616	610
	Industri lain	5,066	5,220	1,239	1,170
310	Pembuatan perabot	17,101	17,130	4,729	3,766
31001	Pembuatan perabot kayu dan rotan	8,667	8,542	2,416	1,823
	Industri lain	8,434	8,588	2,313	1,943
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,651	5,573	1,304	1,521
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6,168	6,956	1,594	1,800
32901	Pembuatan alat tulis	1,518	1,611	403	417
	Industri lain	4,650	5,345	1,191	1,383
323/ 32300	Pembuatan barangan sukan	211	244	64	67
324/ 32400	Pembuatan permainan dan mainan	639	542	132	168
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,746	6,163	1,629	1,386
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2,121	2,289	591	502
	Industri lain	3,625	3,874	1,038	884
Jumlah Pembuatan		1,800,930	1,804,035	449,424	439,208

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
763	781	832	623	832	Manufacture of optical instruments, photographic equipment, magnetic and optical media
5,587	4,928	4,384	4,201	4,384	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1,533	1,362	1,193	1,169	1,193	Manufacture of electric motors, generators and transformers
4,053	3,565	3,190	3,032	3,190	Manufacture of electricity distribution and control apparatus
1,447	1,692	1,515	1,571	1,515	Manufacture of batteries and accumulators
2,490	2,402	2,271	2,436	2,271	Manufacture of wiring and wiring devices
122	106	108	104	108	Manufacture of fibre optic cables
2,216	2,156	2,007	2,191	2,007	Manufacture of other electronic and electric wires and cables
153	141	157	141	157	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
518	472	469	402	469	Manufacture of electric lighting equipment
3,093	2,648	2,911	2,824	2,911	Manufacture of domestic appliances
2,510	2,338	2,009	2,148	2,009	Manufacture of other electrical equipment
10,552	11,971	11,018	10,815	11,018	Manufacture of general-purpose and special-purpose machinery
627	855	610	598	610	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
2,535	2,945	2,825	2,481	2,825	Manufacture of metal-forming machinery and machine tools
1,958	2,416	2,435	2,366	2,435	Manufacture of air-conditioning machines, including for motor vehicles
1,831	2,035	1,670	2,170	1,670	Manufacture of other special-purpose machinery n.e.c.
3,601	3,720	3,478	3,201	3,478	Other industry
11,663	16,085	14,386	12,356	14,386	Manufacture of motor vehicles
1,944	2,330	1,566	2,099	1,566	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
11,301	11,083	11,137	10,188	11,137	Manufacture of parts and accessories for motor vehicles
1,154	1,472	1,473	1,622	1,473	Building of ships and boats
2,480	2,917	2,680	2,455	2,680	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
715	770	787	600	787	Manufacture of motorcycles
518	583	562	616	562	Manufacture of bicycles and invalid carriages
1,247	1,564	1,331	1,239	1,331	Other industry
3,671	4,964	5,326	4,729	5,326	Manufacture of furniture
1,866	2,437	2,782	2,416	2,782	Manufacture of wooden and cane furniture
1,805	2,526	2,544	2,313	2,544	Other industry
1,286	1,462	1,473	1,304	1,473	Manufacture of jewellery, bijouterie and related articles
1,893	1,669	1,584	1,594	1,584	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
416	376	383	403	383	Manufacture of stationery
1,478	1,293	1,201	1,191	1,201	Other industry
53	59	67	64	67	Manufacture of sports goods
124	119	124	132	124	Manufacture of games and toys
1,433	1,714	1,706	1,629	1,706	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
546	649	663	591	663	Repair and maintenance of transport equipment except motorcycles and bicycles
887	1,065	1,044	1,038	1,044	Other industry
453,856	461,548	457,291	449,424	457,291	Total Manufacturing

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	194	198	232	202	205	220	242
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,423	1,329	1,449	1,427	1,461	1,562	1,757
	27101 Pembuatan motor elektrik, penjana dan transformer	411	376	383	382	383	395	452
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	1,012	953	1,066	1,045	1,079	1,167	1,305
272/ 27200	Pembuatan bateri dan akumulator	583	503	486	542	547	620	414
273	Pembuatan pendawaian dan peranti pendawaian	815	821	800	794	788	803	811
	27310 Pembuatan kabel gentian optikal	35	33	35	37	41	42	42
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	735	742	715	711	696	711	721
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	45	46	50	46	51	50	48
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	132	134	136	122	138	137	165
275/ 27500	Pembuatan perkakasan domestik	911	914	999	992	926	971	953
279/ 27900	Pembuatan kelengkapan elektrik lain	719	700	728	719	792	814	810
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,693	3,527	3,595	3,877	3,868	3,789	3,322
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	212	213	173	199	191	200	167
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	860	823	798	891	894	907	816
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	798	759	809	920	947	773	591
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	730 1,093	680 1,052	760 1,056	789 1,078	648 1,188	700 1,208	634 1,114
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4,253	3,796	4,307	2,846	3,685	3,329	3,920
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	697	639	762	712	739	599	662
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	3,293	3,266	3,629	3,096	3,684	3,515	3,843
301 (30110 & 30120)	Pembinaan kapal dan bot	508	513	601	656	445	428	354
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	815	752	888	805	798	814	818
	30910 Pembuatan motosikal	205	191	204	202	206	228	243
	30920 Pembuatan basikal dan <i>invalid carriages</i>	210	200	206	203	208	199	172
	Industri lain	400	361	478	399	385	386	403
310	Pembuatan perabot	1,587	1,512	1,630	1,312	1,411	1,042	1,109
	31001 Pembuatan perabot kayu dan rotan	788	790	838	641	663	518	559
	Industri lain	799	722	792	671	748	524	550
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	473	416	415	491	531	498	375
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	523	538	534	588	640	571	615
	32901 Pembuatan alat tulis	136	135	133	140	142	135	137
	Industri lain	387	403	401	448	498	436	478
323/ 32300	Pembuatan barangan sukan	21	20	24	27	22	18	19
324/ 32400	Pembuatan permainan dan mainan	45	39	49	57	69	41	38
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	530	511	589	578	402	406	407
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	186	177	228	231	136	135	140
	Industri lain	344	334	360	347	266	271	266
Jumlah Pembuatan		148,010	145,219	156,194	144,981	146,799	147,427	143,926

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
261	260	257	267	258	281	263	287	Manufacture of optical instruments, photographic equipment, magnetic and optical media
1,895	1,935	1,731	1,631	1,566	1,545	1,391	1,448	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
538	543	489	446	427	431	379	384	Manufacture of electric motors, generators and transformers
1,357	1,392	1,241	1,185	1,140	1,114	1,012	1,064	Manufacture of electricity distribution and control apparatus
465	569	580	556	556	544	483	488	Manufacture of batteries and accumulators
833	847	823	805	773	829	728	715	Manufacture of wiring and wiring devices
46	33	36	32	37	38	36	34	Manufacture of fibre optic cables
733	762	740	725	691	736	641	629	Manufacture of other electronic and electric wires and cables
53	52	48	47	45	54	51	51	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
177	175	163	162	148	167	154	148	Manufacture of electric lighting equipment
1,122	1,018	909	877	862	953	948	1,010	Manufacture of domestic appliances
828	872	797	786	755	735	619	655	Manufacture of other electrical equipment
3,567	3,663	3,762	4,104	4,105	3,813	3,584	3,621	Manufacture of general-purpose and special-purpose machinery
186	274	273	302	280	230	210	169	Manufacture of fluid power equipment
850	870	878	1,017	1,049	961	914	949	Manufacture of other pumps, compressors, taps and valves
698	669	721	821	875	845	796	794	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
524	672	685	674	676	585	515	570	Manufacture of metal-forming machinery and machine tools
1,308	1,178	1,205	1,289	1,226	1,191	1,148	1,138	Manufacture of air-conditioning machines, including for motor vehicles
3,633	4,111	4,922	5,740	5,422	5,504	4,540	4,342	Manufacture of other special-purpose machinery n.e.c.
646	636	774	813	743	523	458	586	Other industry
3,889	3,569	3,459	3,934	3,690	3,851	3,720	3,566	Manufacture of motor vehicles
356	444	560	459	453	446	458	569	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
827	834	897	1,059	961	928	830	922	Manufacture of parts and accessories for motor vehicles
234	237	234	268	268	290	249	248	Building of ships and boats
176	170	190	203	190	201	166	195	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
417	427	473	588	503	437	415	479	Manufacture of motorcycles
1,166	1,396	1,561	1,696	1,707	1,794	1,652	1,880	Manufacture of bicycles and invalid carriages
619	688	751	848	838	896	868	1,019	Other industry
547	708	810	848	868	898	784	862	Manufacture of furniture
397	514	453	511	498	531	457	485	Manufacture of wooden and cane furniture
647	631	575	551	543	531	533	520	Other industry
148	130	128	119	128	129	121	133	Manufacture of jewellery, bijouterie and related articles
499	501	447	431	416	402	412	387	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
16	18	19	19	21	23	21	23	Manufacture of stationery
41	45	45	38	36	38	38	48	Other industry
449	578	557	599	557	548	527	632	Manufacture of sports goods
170	236	213	228	208	203	200	260	Manufacture of games and toys
279	342	344	371	349	345	327	372	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
152,175	157,755	156,675	154,988	149,885	152,704	146,191	158,397	Total Manufacturing

Jadual
Table

1.4b

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)	(Jan. - Mac)
101	Pemprosesan dan pengawetan daging	11.8	5.7	6.3	9.8	5.2	1.9	5.8		6.3	5.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.0	6.0	1.0	3.7	10.5	8.9	3.2		1.0	3.2
10201 & 10202	Pengetinan ikan, krustasea dan moluska	-9.7	5.2	0.2	2.4	10.1	8.1	2.6		0.2	2.6
	Pemprosesan dan pengawetan ikan, krustasea dan moluska										
	Industri lain	4.0	19.5	15.7	25.6	15.8	21.2	12.5		15.7	12.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.6	31.0	16.4	36.0	36.9	34.4	23.7		16.4	23.7
10303 & 10304	Pengetinan nanas	-2.0	58.2	50.0	87.3	50.8	49.5	35.8		50.0	35.8
	Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	2.6	24.3	9.5	25.1	32.9	30.1	20.3		9.5	20.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	12.8	-11.2	4.7	-25.4	-13.8	-5.4	-0.2		4.7	-0.2
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	19.9	0.8	22.3	-0.2	-11.1	-1.4	1.8		22.3	1.8
	Pembuatan sebatian lemak masakan										
10405	Pembuatan minyak kelapa	34.4	-19.9	-15.4	-24.6	-25.2	-14.3	17.3		-15.4	17.3
	Industri lain	11.9	-12.6	2.8	-28.2	-14.1	-5.8	-0.7		2.8	-0.7
105	Pembuatan produk tenusu	12.1	-0.1	3.9	4.8	-5.1	-3.6	-6.6		3.9	-6.6
10502	Pembuatan susu pekat, tepung dan sejat	13.1	-0.4	4.8	4.9	-6.0	-5.0	-8.7		4.8	-8.7
	Industri lain	-0.1	4.0	-9.2	2.4	7.6	15.5	26.9		-9.2	26.9
106	Pembuatan produk bijian, kanji dan produk berkanji	22.1	5.1	9.6	1.0	6.2	4.0	6.1		9.6	6.1
10611	Pengilangan beras	32.7	3.2	12.7	-1.1	1.6	0.7	3.2		12.7	3.2
10613	Pengilangan tepung	14.0	7.6	6.9	3.6	11.5	8.5	9.1		6.9	9.1
	Industri lain	4.4	-3.7	6.5	-4.6	-1.6	-13.1	6.7		6.5	6.7
107	Pembuatan produk makanan lain	9.7	8.3	6.9	6.7	7.3	12.1	11.0		6.9	11.0
10711	Pembuatan biskut dan cookies	47.1	23.0	5.2	12.6	33.0	40.8	28.2		5.2	28.2
10712	Pembuatan roti, kek dan produk bakeri lain	0.9	10.7	18.4	10.7	7.4	7.2	0.8		18.4	0.8
10713	Pembuatan produk snek	20.8	16.9	0.9	10.2	25.6	30.6	41.5		0.9	41.5
10721	Pembuatan gula	-5.5	17.6	-7.2	13.6	28.5	37.5	27.9		-7.2	27.9
10731	Pembuatan produk koko	0.0	6.2	4.6	7.6	4.8	7.8	22.8		4.6	22.8
10732 & 10733	Pembuatan coklat dan produk coklat	12.0	-2.2	1.7	-4.7	-6.7	1.2	2.9		1.7	2.9
	Pembuatan konfeksi gula										
10793	Pembuatan sos dan bahan perasa	3.6	7.5	-3.4	2.5	15.2	16.2	17.0		-3.4	17.0
10799	Pembuatan produk makanan lain t.t.t.l.	31.2	5.3	12.3	5.7	-1.2	5.5	4.3		12.3	4.3
	Industri lain	9.3	11.0	11.7	14.0	8.4	10.2	11.9		11.7	11.9
108/ 10800	Pembuatan makanan haiwan tersedia	25.3	17.4	20.2	16.2	18.2	15.3	8.2		20.2	8.2
110	Pembuatan minuman ringan	19.6	2.7	0.2	3.2	1.4	5.8	6.1		0.2	6.1
11041	Pembuatan minuman ringan	7.3	6.2	-2.5	7.2	11.4	9.0	11.2		-2.5	11.2
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.1	3.7	-3.7	3.3	7.9	7.7	2.0		-3.7	2.0
	Industri lain	52.7	-2.8	5.6	-2.3	-13.6	0.4	-0.1		5.6	-0.1
120/ 12000	Pembuatan produk tembakau	16.0	17.6	17.4	27.0	18.6	9.0	9.3		17.4	9.3
131	Pemintalan, penenunan dan penyiapan tekstil	6.3	-12.3	-11.8	-8.8	-12.8	-16.0	-0.1		-11.8	-0.1
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	7.6	-11.9	-8.5	-5.3	-13.6	-20.3	-6.2		-8.5	-6.2
	Penenunan tekstil										
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.5	-13.1	-21.5	-18.1	-9.7	-2.5	21.9		-21.5	21.9
	Industri lain	-15.2	-30.1	-22.7	-31.3	-32.8	-34.3	-15.2		-22.7	-15.2
139	Pembuatan tekstil lain	11.7	10.8	10.6	8.5	10.1	14.0	15.7		10.6	15.7
13910	Pembuatan fabrik dikait dan dikrusye	3.0	-1.8	-0.6	-0.9	-2.4	-3.5	5.6		-0.6	5.6
	Industri lain	19.9	21.2	20.2	16.3	20.0	27.9	22.8		20.2	22.8
141	Pembuatan pakaian, kecuali pakaian berbulu	3.6	5.0	2.4	6.8	7.2	3.8	4.0		2.4	4.0
14102	Pembuatan pakaian	2.1	5.7	2.7	9.0	7.8	3.8	4.3		2.7	4.3
	Industri lain	16.5	-0.2	0.6	-7.6	2.0	4.3	2.3		0.6	2.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	0.6	18.8	18.9	19.8	14.5	21.8	21.4		18.9	21.4
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	29.0	7.5	6.4	13.4	5.7	5.8	6.5		6.4	6.5
152	Pembuatan kasut	4.1	12.6	6.2	15.9	14.0	14.7	7.1		6.2	7.1
15201 & 15203	Pembuatan kasut kulit	12.3	16.1	13.3	24.6	11.1	16.5	12.9		13.3	12.9
	Pembuatan kasut getah										
	Industri lain	-7.7	6.5	-4.5	3.1	20.2	11.0	-3.4		-4.5	-3.4
161/ 16100	Pengilangan dan pengetaman kayu	13.4	-2.7	1.6	3.3	-7.7	-7.2	-8.5		1.6	-8.5

2023											2024					Group Description/Period				
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar						
-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	5.0	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	2.2	Processing and preserving of fish, crustaceans and molluscs Canning 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	1.9	Processing, curing and preserving of fish, crustacean 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	6.8	Other industry					
-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	11.3	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	23.1	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	7.9	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	-8.9	-5.5	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	-4.8	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	31.8	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	-9.8	-5.9	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	-7.8	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	-9.9	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	27.7	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	7.7	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	8.1	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	7.0	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	13.4	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	11.5	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	29.4	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	-0.7	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	36.7	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	29.8	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	29.8	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	8.7	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	11.5	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	-0.2	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	10.8	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	8.4	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	4.6	7.2	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	10.3	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	-2.5	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	2.6	5.3	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	8.3	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	-4.2	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	-7.5	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	7.7	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	-21.6	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	16.0	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	5.8	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	23.2	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	8.3	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	9.9	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	-1.4	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	22.2	Manufacture of articles of fur, knitted and crocheted apparel					
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	6.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur					
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	2.4	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	11.8	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	-13.6	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	-8.1	Sawmilling and planning of wood					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)	(Jan. - Mac)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	12.1	-5.8	-5.7	-4.3	-7.1	-5.9	1.3		-5.7	1.3
16211	Pembuatan kepingan venier dan papan lapis	9.9	1.2	0.9	4.3	1.9	-0.9	2.7		0.9	2.7
16212	Pembuatan papan partikel dan papan gentian	12.6	-13.1	-12.2	-10.5	-16.5	-13.3	1.0		-12.2	1.0
16221	Pertukangan kayu untuk jurubina	13.9	-5.6	-4.7	-8.5	-4.4	-5.6	-0.1		-4.7	-0.1
	Industri lain	19.5	-15.5	-17.6	-16.4	-19.0	-8.9	-3.7		-17.6	-3.7
170	Pembuatan kertas dan produk kertas	9.6	5.7	11.0	4.8	1.9	5.6	2.0		11.0	2.0
17010	Pembuatan pulpa, kertas dan kertas tebal	13.8	-3.8	-1.5	-7.3	-6.0	-0.7	1.5		-1.5	1.5
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.5	-3.5	7.8	-5.8	-9.7	-5.0	-8.5		7.8	-8.5
17091	Pembuatan sampul surat dan kad surat	14.6	0.3	29.5	10.8	-11.4	-18.3	-14.6		29.5	-14.6
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	16.4	13.2	14.2	13.8	13.3	11.4	1.1		14.2	1.1
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	17.4	19.0	28.1	22.0	8.5	19.1	16.7		28.1	16.7
	Industri lain	6.1	41.1	27.2	41.1	47.9	48.1	31.7		27.2	31.7
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13.3	6.0	7.5	5.5	7.5	3.6	3.6		7.5	3.6
18110	Percetakan	12.4	3.6	-0.7	1.2	6.2	8.1	9.9		-0.7	9.9
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	17.2	15.1	45.3	23.6	12.7	-11.3	-16.6		45.3	-16.6
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	42.3	-10.1	21.9	-6.2	-22.7	-20.9	-12.9		21.9	-12.9
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	0.5	-8.0	-6.5	-9.1	-8.3	-8.2	-8.1		-6.5	-8.1
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-15.8	-16.2	58.8	-28.2	-36.3	-28.1	-15.2		58.8	-15.2
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	0.5	-11.6	-7.5	-11.7	-14.6	-13.0	-9.8		-7.5	-9.8
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	18.0	-18.4	-15.1	-15.3	-20.1	-24.4	-35.8		-15.1	-35.8
20131	Pembuatan plastik dalam bentuk primer	-9.8	2.1	-9.0	-2.9	14.3	8.7	2.6		-9.0	2.6
	Industri lain	57.2	-8.2	8.5	-2.7	-20.0	-15.2	-6.9		8.5	-6.9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	30.9	17.8	21.4	20.7	17.6	12.5	13.6		21.4	13.6
20210	Pembuatan racun perosak dan produk agrokimia lain	53.3	23.6	19.0	31.4	42.7	6.9	4.1		19.0	4.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	33.0	34.7	18.9	34.5	45.6	40.6	38.0		18.9	38.0
20222	Pembuatan dakwat cetak	16.2	-3.6	-0.8	-4.1	-0.8	-8.8	7.2		-0.8	7.2
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap Pembuatan pewangi dan penyediaan dandanan diri	30.1	10.6	23.0	16.2	3.3	2.9	5.6		23.0	5.6
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	26.0	9.9	4.6	1.6	1.1		26.0	1.1
	Industri lain	16.3	4.9	38.0	-2.8	-19.2	11.9	-12.4		38.0	-12.4
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.8	5.2	12.0	5.1	0.7	3.5	5.4		12.0	5.4
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.1	4.5	9.7	4.5	-0.8	5.0	4.8		9.7	4.8
	Industri lain	14.8	8.5	24.1	8.4	7.8	-2.9	8.4		24.1	8.4
221	Pembuatan produk getah	-23.9	-9.1	-10.8	-12.6	-8.6	-3.4	4.4		-10.8	4.4
22111	Pembuatan tayar getah untuk kenderaan	-23.7	-38.1	-41.4	-43.2	-35.0	-28.4	-31.4		-41.4	-31.4
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.4	27.1	29.9	26.8	20.7	31.3	4.7		29.9	4.7
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	-8.6	-26.1	-24.5	-6.1	7.0		-8.6	7.0
2024	22192	Pembuatan sarung tangan getah	-28.3	-5.8	-8.4	-8.3	-3.9	5.6		-8.4	5.6
	22199	Pembuatan produk getah lain yang t.t.t.l.	-4.3	-9.5	-10.6	-13.9	-9.0	10.8		-10.6	10.8
222	Pembuatan produk plastik	5.4	-0.6	-3.3	-1.2	-0.6	2.6	5.4		-3.3	5.4
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	-5.4	-5.3	-3.2	-7.7	-7.4	-2.2	-2.6		-3.2	-2.6
22203	Pembuatan artikel plastik untuk pembungkusan barangan	29.4	-1.9	5.4	-1.9	-5.6	-4.1	6.7		5.4	6.7
22204	Pembuatan barangan plastik jurubina	19.5	41.2	27.9	33.8	45.5	56.4	23.4		27.9	23.4
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	51.1	7.9	8.5	19.7	4.8	-1.1	-2.0		8.5	-2.0
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-19.4	-3.6	-21.5	-8.0	5.9	13.0	13.4		-21.5	13.4
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	4.8	-3.3	-4.8	-2.1	-4.1	-2.3	4.6		-4.8	4.6

2023											2024					Group Description/Period				
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar						
-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	4.6	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	5.8	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	3.4	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	7.5	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	-1.6	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	-1.7	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	1.6	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	-11.5	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	-15.7	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	-0.9	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	2.2	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	27.7	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	3.5	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	9.1	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	-15.9	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	-6.7	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	-10.0	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	5.1	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	-12.0	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	-27.1	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	-3.6	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	-10.6	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	8.9	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	-2.5	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	30.5	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	10.9	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	-4.8	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	8.9	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	-18.2	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	6.3	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	6.8	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	4.2	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	1.7	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	-32.7	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	-1.1	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	6.2	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened					
															Rubber remilling and latex processing					
-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	2.6	Manufacture of rubber gloves					
-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	6.8	Manufacture of other rubber products n.e.c.					
-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	3.0	Manufacture of plastics products					
															Manufacture of semi-manufactures of plastic 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	-3.2	Manufacture of finished 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	6.2	Manufacture of plastic articles for the packing of goods					
-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	7.5	Manufacture of builders' plastics ware					
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	-9.1	Manufacture of plastic tableware, kitchenware and toilet articles					
-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	11.5	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	0.3	Manufacture of glass and glass products					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		
				Q1	Q2	Q3	Q4	Q1	2023 (Jan. - Mac)	2024 (Jan. - Mac)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	16.7	8.4	8.4	7.9	9.0	8.1	7.9	8.4	7.9
23911 & 23921	Pembuatan mortar refraktori dan konkrit	6.1	7.9	-7.5	13.3	17.8	12.6	5.2	-7.5	5.2
23930	Pembuatan seramik bukan refraktori	8.2	-7.0	-2.8	-14.1	-9.7	-1.0	-13.5	-2.8	-13.5
23941	Pembuatan produk porselin dan seramik lain	22.1	12.4	22.2	13.7	10.1	4.1	2.7	22.2	2.7
23951	Pembuatan simen hidrolik	23.8	9.1	13.3	8.7	8.1	6.1	5.2	13.3	5.2
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	10.0	7.3	0.7	6.1	10.8	12.3	17.1	0.7	17.1
23990	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	21.8	4.7	8.3	-0.8	2.1	8.7	7.1	8.3	7.1
	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	24.9	8.9	5.4	15.9	9.2	5.9	-9.7	5.4	-9.7
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	9.6	6.7	7.0	6.3	5.8	7.6	7.2	7.0	7.2
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	8.8	1.0	2.6	0.5	-1.2	1.6	-0.4	2.6	-0.4
243	Pengacuan logam	20.6	7.6	6.3	5.7	13.8	4.9	20.0	6.3	20.0
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	17.0	11.6	7.1	15.8	12.8	11.3	11.4	7.1	11.4
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	16.9	12.3	4.3	19.0	14.9	12.2	10.2	4.3	10.2
25120	Pembuatan produk struktur logam lain	18.4	10.4	14.3	7.6	9.0	10.9	17.7	14.3	17.7
	Pembuatan tangki, takungan dan kontena daripada logam Industri lain	7.6	7.0	16.9	18.9	0.9	-6.4	-15.5	16.9	-15.5
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	10.4	6.6	5.7	1.7	8.8	10.2	13.7	5.7	13.7
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	24.0	5.3	7.9	6.1	4.3	3.2	2.8	7.9	2.8
25920	Rawatan dan penyalutan logam; menggunakan mesin	21.8	12.8	33.9	10.6	2.1	6.2	23.5	33.9	23.5
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.5	6.4	-6.9	2.8	9.0	22.3	26.0	-6.9	26.0
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.7	-1.8	-9.9	-9.3	8.6	7.0	12.7	-9.9	12.7
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	7.7	13.2	17.4	15.2	7.5	13.1	11.2	17.4	11.2
25999	Pembuatan barangan rumah daripada logam	21.0	13.1	28.0	7.0	10.2	9.4	8.3	28.0	8.3
	Pembuatan produk lain yang direka daripada logam t.t.t.l. Industri lain	21.7	43.8	39.4	45.1	52.0	39.6	18.0	39.4	18.0
261	Pembuatan komponen dan papan elektronik	28.9	2.5	16.5	7.4	-1.5	-9.4	-2.6	16.5	-2.6
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	34.0	-2.9	5.7	-2.1	-2.5	-11.9	-3.5	5.7	-3.5
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	21.4	8.4	36.1	21.1	-3.7	-10.4	-7.5	36.1	-7.5
26109	Pembuatan kapasitor dan perintang elektrik	29.8	35.3	15.8	33.2	44.2	44.0	78.3	15.8	78.3
262 (26201 & 26202)	Pembuatan papan litar bercetak	29.8	35.3	15.8	33.2	44.2	44.0	78.3	15.8	78.3
263/ 26300	Pembuatan komponen paparan	8.0	2.2	-2.6	-1.3	10.6	4.2	25.4	-2.6	25.4
264/ 26400	Pembuatan komponen lain untuk aplikasi elektronik	0.3	41.7	10.8	50.0	69.7	37.6	32.5	10.8	32.5
265	Pembuatan komputer dan kelengkapan peranti	11.0	-1.5	-9.3	-3.6	4.4	2.4	-3.2	-9.3	-3.2
26511 & 26512	Pembuatan peralatan komunikasi	30.3	3.1	2.9	1.1	0.1	7.9	12.8	2.9	12.8
26520	Pembuatan peralatan elektronik pengguna	31.7	4.5	4.0	4.4	0.4	8.7	13.3	4.0	13.3
	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	20.9	-6.5	-6.6	-19.3	-2.6	1.3	8.6	-6.6	8.6
266/ 26600	Pembuatan kelengkapan kawalan proses perindustrian	-34.3	4.6	27.8	-8.0	-4.6	8.7	25.5	27.8	25.5
	Pembuatan jam tangan dan jam dan bahagiannya									
	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik									

2023										2024					Group Description/Period				
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar					
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	7.2	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes Manufacture of non-refractory ceramic Manufacture of other porcelain and ceramic products 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 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. Manufacture of other non-metallic mineral products n.e.c. Other industry				
-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	1.0					
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	-11.1					
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	5.0					
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	5.7					
-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	13.3					
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	11.1					
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	-19.8					
-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	7.7	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	0.8	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	18.8	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	9.5	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	7.8	Manufacture of metal doors, windows and their frames, shutters and gates Manufacture of other structural metal products				
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	17.0	Manufacture of tanks, reservoirs and containers of metal				
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	-19.1	Other industry				
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	22.8	Manufacture of other fabricated metal products; metal working service activities				
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	1.5	Forging, pressing, stamping and roll-forming of metal; powder metallurgy				
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	65.1	Treatment and coating of metals; machining				
-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	30.1	Manufacture of tins and cans for food products, collapsible tubes and boxes				
															Manufacture of metal cable, plaited bands and similar articles				
-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	20.9	Manufacture of bolts, screws, nuts and similar threaded products				
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	7.3	Manufacture of metal household articles				
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	16.3	Manufacture of any other fabricated metal products n.e.c.				
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	18.1	Other industry				
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	-2.2	Manufacture of electronic components and boards				
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	-1.7	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	-7.8	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	60.8	Manufacture of display components Manufacture of other components for electronic applications				
-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	43.5	Manufacture of computers and peripheral equipment				
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	20.9	Manufacture of communication 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	-8.9	Manufacture of consumer electronics				
-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	13.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks				
-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	14.0	Manufacture of measuring, testing, navigating and control equipment Manufacture of industrial process control equipment				
-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	9.1	Manufacture of watches and clocks and parts				
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	12.9	Manufacture of irradiation, electromedical and electrotherapeutic equipment				

Jadual
Table

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)	(Jan. - Mac)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	33.7	24.2	26.0	20.2	22.7	27.7	33.4		26.0	33.4
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	33.3	11.9	9.0	5.8	20.9	10.9	4.3		9.0	4.3
	27101 Pembuatan motor elektrik, penjana dan transformer	17.2	-4.6	-9.8	-18.4	6.9	2.9	2.1		-9.8	2.1
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	42.5	19.7	18.6	18.2	27.2	14.4	5.2		18.6	5.2
272/ 27200	Pembuatan bateri dan akumulator	33.6	-3.4	29.0	25.1	-26.0	-19.6	-3.6		29.0	-3.6
273	Pembuatan pendawaian dan peranti pendawaian	0.02	-8.7	-9.5	-12.8	-8.0	-4.3	-6.8		-9.5	-6.8
	27310 Pembuatan kabel gantian optikal	14.9	27.3	23.6	28.7	39.6	17.4	4.7		23.6	4.7
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	0.1	-9.7	-9.3	-13.5	-9.9	-5.5	-8.4		-9.3	-8.4
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.4	-14.4	-25.6	-23.3	-5.0	2.2	11.0		-25.6	11.0
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	27.1	9.4	9.3	1.2	17.2	8.9	16.5		9.3	16.5
275/ 27500	Pembuatan perkakasan domestik	8.7	-3.9	2.8	-0.3	-3.0	-14.1	3.1		2.8	3.1
279/ 27900	Pembuatan kelengkapan elektrik lain	4.0	15.2	10.3	24.7	20.7	6.6	-6.5		10.3	-6.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	6.9	-1.9	4.9	-2.3	-8.1	-1.3	1.9		4.9	1.9
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	2.4	-10.5	12.7	-21.2	-26.3	0.3	2.0		12.7	2.0
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.0	-2.8	6.5	-8.6	-8.3	0.7	13.9		6.5	13.9
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.1	-16.3	-21.7	-17.5	-22.8	-1.5	2.9		-21.7	2.9
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	37.9 10.8	-1.7 14.3	36.7 12.5	10.5 16.8	-18.7 17.0	-20.0 11.1	-23.0 8.7		36.7 12.5	-23.0 8.7
291 (29101 & 29102)	Pembuatan kenderaan bermotor	12.7	15.0	25.1	5.5	17.5	12.5	16.4		25.1	16.4
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	17.6	9.3	5.8	-1.3	26.9	10.3	-25.4		5.8	-25.4
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	17.9	12.6	14.1	10.8	12.1	13.3	9.3		14.1	9.3
301 (30110 & 30120)	Pembinaan kapal dan bot	0.9	11.8	26.2	31.3	-1.9	-4.7	-9.2		26.2	-9.2
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.	17.1	-2.4	-3.7	-6.3	0.2	-0.1	9.2		-3.7	9.2
	30910 Pembuatan motosikal	26.3	5.6	11.7	-3.2	10.3	5.1	31.1		11.7	31.1
	30920 Pembuatan basikal dan <i>invalid carriages</i>	24.3	-19.2	-6.5	-15.3	-26.6	-26.7	-8.8		-6.5	-8.8
	Industri lain	9.5	3.0	-8.4	-2.5	11.2	12.4	7.4		-8.4	7.4
310	Pembuatan perabot	9.8	0.2	-5.7	-1.9	-1.4	9.8	12.6		-5.7	12.6
	31001 Pembuatan perabot kayu dan rotan	1.0	-1.4	-9.5	-1.4	-2.6	9.2	15.1		-9.5	15.1
	Industri lain	20.5	1.8	-1.5	-2.4	-0.1	10.3	10.0		-1.5	10.0
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	25.5	-1.4	6.4	-8.1	-7.3	5.7	12.9		6.4	12.9
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubahan dan pergigian dan pembuatan lain t.t.t.l.	10.7	12.8	4.3	18.3	17.7	10.6	-0.6		4.3	-0.6
	32901 Pembuatan alat tulis	9.5	6.1	14.6	11.0	-3.9	4.8	-4.9		14.6	-4.9
	Industri lain	11.0	14.9	1.2	20.7	25.6	12.4	0.8		1.2	0.8
323/ 32300	Pembuatan barangan sukan	5.4	15.5	16.6	30.6	11.7	4.1	4.6		16.6	4.6
324/ 32400	Pembuatan permainan dan mainan	2.6	-15.1	-28.1	-6.5	-5.1	-18.1	-6.3		-28.1	-6.3
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.9	7.3	7.4	11.5	10.6	1.4	4.7		7.4	4.7
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	17.8	7.9	10.2	9.3	9.2	4.0	12.0		10.2	12.0
	Industri lain	2.8	6.9	5.9	12.8	11.5	-0.1	0.6		5.9	0.6
Jumlah Pembuatan		15.8	0.2	8.2	-1.0	-2.9	-2.7	1.8		8.2	1.8

2023											2024					Group Description/Period				
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar						
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	24.0	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	-0.1	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	0.3	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	-0.2	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	0.6	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	-10.6	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	-3.2	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	-12.0	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	3.7	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	8.4	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	1.1	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	-10.1	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	0.7	Manufacture of general-purpose and special-purpose machinery					
															Manufacture of fluid power equipment					
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	-2.0	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					
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	19.0	Manufacture of metal-forming machinery and machine tools					
-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	-1.8	Manufacture of air-conditioning machines, including for motor vehicles					
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	-25.0	Manufacture of other special-purpose machinery n.e.c.					
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	7.8	Other industry					
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	0.8	Manufacture of motor vehicles					
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	-23.2	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers					
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	13.9	-1.7	Manufacture of parts and accessories for motor vehicles					
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	-5.3	Building of ships and boats					
-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	3.8	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c					
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	21.5	Manufacture of motorcycles					
-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	-5.5	Manufacture of bicycles and invalid carriages					
-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	0.2	Other industry					
-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3	Manufacture of furniture					
-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	21.5	Manufacture of wooden and cane furniture					
-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	8.8	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	16.7	Manufacture of jewellery, bijouterie and related articles					
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	-2.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.					
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	0.4	Manufacture of stationery					
-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	-3.6	Other industry					
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	-2.4	Manufacture of sports goods					
-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	-1.5	Manufacture of games and toys					
3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment					
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	13.7	Repair and maintenance of transport equipment except motorcycles and bicycles					
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	3.4	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	1.4	Total Manufacturing					

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

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

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
-1.8	-3.6	2.9	0.2	-0.03	1.6	-6.6	5.9	2.6	-0.8	Processing and preserving of meat
-5.3	4.8	-1.2	0.7	3.2	-1.5	-3.4	4.5	-10.8	3.8	Processing and preserving of fish, crustaceans and molluscs
-5.2	5.6	-1.6	0.0	3.4	-1.9	-3.6	4.7	-11.4	4.3	Canning of fish, crustaceans and molluscs
-5.9	-6.6	6.2	11.7	-0.1	3.6	-0.8	2.0	-2.6	-3.3	Processing, curing and preserving of fish, crustacean and molluscs
4.0	-3.2	-1.3	7.2	-1.5	1.1	-5.1	8.3	-6.8	3.9	Other industry
11.4	-10.1	-3.2	9.0	2.9	-0.7	-8.7	6.2	-5.1	7.3	Processing and preserving of fruits and vegetable
1.6	-0.8	-0.7	6.6	-2.9	1.7	-3.9	9.0	-7.3	2.9	Pineapple canning
0.4	-3.9	8.7	14.1	0.9	-3.5	-0.3	1.1	-23.5	-3.3	Manufacture of jams, marmalades and table jellies
-6.9	-1.4	6.5	3.0	-2.3	-9.1	6.9	5.4	-12.6	1.3	Other industry
-16.3	10.3	10.5	1.4	10.0	-14.4	20.2	-0.3	5.3	-3.6	Manufacture of vegetable and animal oils and fats
1.7	-4.4	9.0	15.8	1.3	-2.7	-1.3	0.5	-25.3	-4.0	Manufacture of crude and refined vegetable oil
-6.3	-6.9	6.0	-3.3	2.3	1.7	-8.6	0.05	0.5	6.8	Manufacture of compound cooking fats
-7.0	-7.6	6.0	-4.0	2.6	2.2	-8.9	-1.1	1.3	7.4	Manufacture of coconut oil
4.1	2.1	5.2	5.5	-0.2	-4.1	-4.6	13.1	-7.4	0.3	Other industry
-7.6	-0.6	3.1	4.2	-0.5	-0.8	-1.8	5.8	-6.5	12.2	Manufacture of dairy products
-13.5	0.2	2.3	4.7	-2.1	-2.9	0.1	3.4	-5.8	20.0	Manufacture of condensed, powdered and evaporated milk
-1.5	-1.5	4.2	3.4	1.0	1.1	-3.5	7.8	-7.2	5.3	Other industry
-1.1	1.4	-1.3	11.2	0.2	-0.8	-1.9	9.3	-6.9	9.4	Manufacture of grain mill products, starches and starch products
-3.5	-1.9	4.1	1.5	1.6	1.9	-2.7	1.6	-3.4	5.3	Rice milling
-0.7	6.0	0.5	0.7	7.9	6.7	-2.5	-7.9	-9.1	11.6	Flour milling
-2.4	-4.3	2.6	-9.0	0.7	0.05	-1.6	7.2	-6.0	4.7	Other industry
-3.3	-1.2	9.3	5.3	1.3	6.1	-2.5	6.3	-11.7	16.4	Manufacture of other food products
9.3	-7.5	4.3	8.1	3.5	2.1	-7.1	-4.9	0.8	2.4	Manufacture of biscuits and cookies
-9.1	5.7	-0.5	0.3	8.5	-0.3	-2.2	18.3	1.2	-2.8	Manufacture of bread, cakes and other bakery products
-9.5	-2.4	6.0	2.1	-0.4	4.3	-2.6	-2.5	0.4	8.7	Manufacture of snack products
9.8	-2.5	9.6	7.1	0.02	-0.1	1.4	-0.5	-2.7	1.6	Manufacture of sugar
-8.7	-1.0	8.8	9.2	3.0	0.7	-3.8	-2.2	-3.9	-1.1	Manufacture of cocoa products
-2.5	-0.2	0.9	4.7	-1.0	-0.9	-1.5	4.4	-3.7	5.7	Manufacture of chocolate and chocolate products
-1.1	1.9	-0.03	0.3	0.7	-3.5	-11.4	4.0	-1.1	8.2	Manufacture of sugar confectionery
-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	Manufacture of sauces and condiments
-3.0	20.2	-2.2	-5.2	16.8	-10.1	2.2	-0.4	-5.6	12.2	Manufacture of other food products n.e.c.
-6.0	9.6	7.0	-0.8	-2.4	-5.0	-6.9	0.1	4.7	3.0	Other industry
-15.7	-4.9	20.5	1.4	10.4	-9.2	-8.9	8.3	1.5	7.0	Manufacture of prepared animal feeds
-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	Manufacture of beverages
-4.0	-4.1	1.9	-9.0	2.0	3.2	1.0	12.1	-8.3	1.8	Manufacture of soft drinks
-8.3	-3.6	0.1	-12.4	0.5	4.8	2.6	12.5	-9.2	6.0	Production of natural mineral waters and other bottled waters
12.1	-5.8	7.0	1.0	5.7	-0.5	-2.6	10.8	-6.2	-8.4	Other industry
-13.3	2.5	16.0	-20.5	1.9	-1.1	-12.8	26.8	13.4	-27.3	Manufacture of tobacco products
0.7	-1.5	1.6	1.5	5.2	3.4	-1.5	9.8	-1.8	0.5	Spinning, weaving and finishing of textiles
0.3	-4.6	1.6	-2.1	3.8	2.0	-1.6	10.0	-0.9	0.8	Preparation and spinning of textile fibres
1.0	0.6	1.6	3.9	6.0	4.2	-1.4	9.6	-2.4	0.3	Weaving of textiles
-4.7	5.6	-3.6	1.4	3.9	7.6	-4.3	5.1	-7.6	10.8	Dyeing, bleaching, printing and finishing of yarns and fabrics
-5.2	6.6	-3.6	-0.1	4.0	7.6	-3.9	4.3	-9.1	11.3	Other industry
-0.8	-2.7	-4.1	14.1	2.9	7.8	-7.3	12.2	3.2	7.4	Manufacture of other textiles
-1.0	-0.9	-4.1	23.4	6.6	3.9	-10.7	14.1	1.3	4.1	Manufacture of knitted and crocheted fabrics
-9.5	2.3	9.6	12.3	10.5	8.4	-9.6	-2.6	-3.3	4.6	Other industry
-4.5	2.8	9.7	-6.1	9.2	5.1	-0.5	1.6	-10.2	0.3	Manufacture of wearing apparel, except fur apparel
-2.3	3.8	10.6	-4.7	9.8	5.7	0.2	0.6	-12.0	3.7	Manufacture of clothings
-8.5	1.0	8.1	-9.1	8.0	3.8	-1.8	3.8	-6.4	-6.6	Other industry
-19.1	4.3	45.4	-5.9	11.7	-3.3	-3.0	10.8	-11.9	23.4	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	2023				2024				2023	
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-35.0	8.3	30.5	10.4	3.0	-4.2	6.0	-22.5	-20.9
16211	Pembuatan kepingan venier dan papan lapis	7.0	-37.5	9.0	35.8	11.0	9.1	-4.5	5.7	-23.6	-23.1
16212	Pembuatan papan partikel dan papan gentian	-5.3	-32.2	6.1	27.2	10.4	-8.0	-1.4	8.3	-22.3	-17.9
16221	Pertukangan kayu untuk jurubina	2.9	-36.6	14.0	27.0	8.9	6.1	-11.3	3.7	-23.6	-19.8
	Industri lain	3.3	-28.0	4.4	17.4	9.1	2.9	-2.0	3.6	-15.7	-20.0
170	Pembuatan kertas dan produk kertas	5.6	-2.4	0.1	2.5	1.9	1.9	3.6	5.3	-2.1	-5.7
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.2	-9.0	3.6	6.7	1.0	5.4	2.9	-9.9	-0.8	2.0
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.8	-6.0	0.1	3.9	-6.5	-4.4	1.2	7.3	-5.7	-4.9
17091	Pembuatan sampul surat dan kad surat	-4.5	-7.1	-5.2	-2.9	-0.1	4.0	-14.9	12.3	-4.4	-8.0
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	18.4	-0.8	-2.1	-3.0	7.3	5.1	4.8	12.0	-2.8	-8.2
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	14.0	8.2	-5.5	2.1	11.7	6.6	9.4	13.5	5.4	-19.2
	Industri lain	22.5	8.6	7.5	3.6	8.9	8.3	8.1	3.5	1.1	5.3
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.8	-9.4	0.1	10.0	3.8	-1.4	1.7	-1.4	-6.1	-4.8
18110	Percetakan	3.1	-7.7	2.3	11.1	4.8	-0.3	2.3	1.3	-6.0	-5.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	6.1	-15.0	-7.2	6.1	-0.3	-4.5	0.2	-9.6	-6.4	-3.3
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-18.5	1.5	3.4	-7.6	-10.3	5.3	-23.4	3.7	4.5	7.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5.9	-13.3	3.3	-3.3	6.1	-0.8	-0.3	4.3	-15.4	1.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-10.3	-27.3	-4.5	15.5	5.7	-8.1	-10.2	-13.0	-14.6	3.7
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	7.1	-19.3	4.9	-4.1	11.0	-2.1	0.3	2.7	-17.1	-6.4
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	5.8	-12.4	-10.7	-8.6	-10.2	3.8	-6.2	5.0	-10.9	8.8
20131	Pembuatan plastik dalam bentuk primer	7.8	-2.8	5.8	-2.0	1.7	0.5	1.7	9.5	-15.2	11.8
	Industri lain	-1.6	-8.3	-1.6	-4.4	8.0	1.6	-1.0	1.2	-8.5	0.4
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	6.0	-3.3	8.1	1.5	7.0	-0.1	-4.4	9.0	-13.0	9.4
20210	Pembuatan racun perosak dan produk agrokimia lain	2.9	-3.0	9.8	-2.4	0.2	-8.2	-10.6	8.9	-6.8	-4.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	19.8	6.0	9.0	1.6	17.6	4.6	0.3	17.8	-13.9	15.4
20222	Pembuatan dakwat cetak	3.9	-4.3	-1.7	-6.7	22.1	1.5	-4.5	0.3	-6.2	4.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap Pembuatan pewangi dan penyediaan dandanan diri	3.1	-5.2	8.8	-3.2	5.8	-1.4	-0.1	9.1	-17.5	13.4
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials Pembuatan dakwat menulis dan melukis	-3.2	-11.4	5.7	12.2	-3.7	0.9	-13.2	-2.7	-6.8	4.1
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	6.4	-23.3	6.5	28.8	-16.7	2.8	-6.9	9.0	-16.3	-12.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	5.0	-2.7	3.2	-1.9	6.9	5.0	1.1	6.4	-4.6	-8.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	6.9	-1.5	0.9	-1.2	6.6	8.2	0.8	6.6	-2.2	-9.9
	Industri lain	-2.8	-8.4	14.7	-4.9	8.4	-7.7	2.2	5.5	-15.5	-2.1
221	Pembuatan produk getah	0.04	11.3	-12.0	-1.4	8.1	-3.2	-6.8	38.9	-4.0	-4.0
22111	Pembuatan tayar getah untuk kenderaan	-0.9	-7.0	-10.7	-12.9	-5.0	2.1	-5.9	6.2	-11.0	5.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	20.9	1.4	1.5	5.4	-3.6	4.0	17.0	8.8	-12.1	7.0
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan Pengilangan semula getah dan prosesan susu getah	-14.3	-1.9	-1.8	13.7	-2.3	-11.9	-9.1	14.7	-7.7	1.3
2024	22192 Pembuatan sarung tangan getah	4.2	16.0	-15.6	-3.4	11.8	-0.9	-7.2	50.2	-3.0	-5.4
	22199 Pembuatan produk getah lain yang t.t.t.l.	-12.5	0.9	6.3	1.9	1.3	-11.1	-5.2	10.7	-4.0	-2.6
222	Pembuatan produk plastik	-7.1	11.7	-0.3	-0.8	-4.7	-10.7	-0.2	12.6	4.0	4.3
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	-2.6	10.0	-4.9	-4.0	-2.9	-7.2	2.5	10.7	-0.1	6.8
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-14.4	12.6	0.1	-0.7	-4.7	-15.8	-0.7	9.2	6.0	6.8
22204	Pembuatan barangan plastik jurubina	16.8	22.2	10.5	-0.8	-7.8	-11.9	24.3	29.3	-2.1	4.0
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-4.0	24.4	-7.8	-10.2	-4.9	-2.9	-9.3	28.4	10.7	-0.9
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-5.8	3.7	7.1	8.0	-5.5	-10.1	-1.4	9.0	3.7	0.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5.9	-7.7	-7.0	7.5	13.4	-3.1	-4.1	6.5	-7.7	-0.3

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
-16.1	-0.2	41.1	13.5	11.1	-1.8	-2.3	13.2	-6.4	12.6	Manufacture of products of wood, cork, straw and plaiting materials
-17.7	-1.8	46.0	20.1	12.2	-2.2	-5.0	15.1	-4.1	10.2	Manufacture of veneer sheets and plywood
-18.1	-0.1	37.0	14.6	6.2	-1.0	2.6	11.1	-11.5	18.9	Manufacture of particle board and fibreboard
-9.0	7.6	37.3	-5.1	23.3	-1.8	-6.1	11.2	-0.4	9.1	Manufacture of builders' carpentry
-10.2	-2.0	35.4	1.7	6.4	-1.8	2.4	11.8	-10.5	12.2	Other industry
-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	Manufacture of paper and paper products
-11.3	0.8	14.5	2.9	2.1	-2.7	0.1	3.6	2.4	-9.6	Manufacture of pulp, paper and paperboard
-6.1	1.6	4.0	5.6	0.3	-1.2	-2.1	0.2	-11.6	9.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1.7	-3.2	-0.6	-0.03	0.8	-4.9	-0.5	4.5	-5.6	4.1	Manufacture of envelopes and letter-card
-4.0	-0.6	8.7	-4.4	-3.8	3.4	-3.6	3.1	3.4	9.4	Manufacture of household and personal hygiene paper
17.7	-6.8	-3.0	0.5	2.6	-1.2	2.9	5.9	10.1	-7.6	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
-3.1	4.4	4.7	0.5	-1.2	5.5	-2.1	8.9	-2.4	3.8	Other industry
-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	Printing, service activities related to printing and reproduction of recorded media
0.4	2.3	0.6	3.3	-2.6	18.8	-2.9	0.9	-0.2	1.4	Printing
-2.0	-3.0	-0.3	-5.3	4.6	7.6	0.8	0.2	-0.9	-8.0	Service activities related to printing
										Reproduction of recorded media
-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	Manufacture of refined petroleum products
-3.1	1.2	10.7	-9.0	-2.8	3.5	0.8	6.6	-4.6	3.2	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-15.0	9.8	-2.6	-7.1	8.9	23.9	-8.5	0.7	-0.6	13.6	Manufacture of liquefied or compressed inorganic industrial or medical gases
-0.5	2.2	14.0	-10.6	-7.5	9.2	2.7	7.6	-2.4	0.4	Manufacture of basic organic chemicals
										Manufacture of inorganic compounds
										Manufacture of fertilizers
-23.7	-1.1	15.2	-11.2	0.4	-5.3	-7.2	-7.9	-6.1	27.7	Manufacture of associated nitrogen products
-1.2	0.7	6.6	-6.2	1.4	-1.7	-0.03	5.8	-6.8	4.1	Manufacture of plastics in primary forms
-1.5	-2.3	7.6	-9.7	3.8	-6.1	1.2	17.2	-9.9	0.1	Other industry
0.8	1.2	5.3	-1.1	-0.8	1.0	1.9	14.0	-15.1	8.8	Manufacture of other chemical products and man-made fibres
15.3	-0.4	3.9	-2.3	4.9	-6.7	-7.3	12.0	-2.7	-5.4	Manufacture of pesticides and other agrochemical products
0.9	-1.7	9.4	-2.5	-1.9	-0.5	8.0	18.1	-15.2	17.8	Manufacture of paints, varnishes and similar coatings ink and mastics
0.8	0.7	-1.0	-11.2	-8.9	18.4	-2.0	22.8	-11.1	9.7	Manufacture of printing ink
										Manufacture of soap and detergents, cleaning and polishing preparations
-1.2	3.9	5.5	-6.7	-3.0	2.9	2.2	17.5	-20.0	4.9	Manufacture of perfumes and toilet preparations
										Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-2.8	0.4	2.2	13.1	2.5	2.1	-3.0	4.5	-13.7	8.8	Manufacture of writing and drawing ink
										Manufacture of other chemical products n.e.c.
-9.8	26.6	-24.9	45.5	0.1	13.4	7.2	-18.4	-9.3	-0.3	Other industry
10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	Manufacture of pharmaceuticals, medicinal chemical and botanical products
9.8	-4.1	2.7	2.0	0.6	-4.8	-2.3	3.8	5.2	7.6	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
16.3	3.4	0.3	3.3	1.8	-14.0	2.4	12.2	0.04	0.5	Other industry
-3.2	-3.4	-10.1	3.7	3.5	-3.7	-3.5	7.1	-8.6	34.4	Manufacture of rubber products
-4.0	-2.5	-10.2	-2.8	3.7	-16.0	-1.8	5.7	-6.5	3.5	Manufacture of rubber tyres for vehicles
-1.8	-4.6	2.6	10.7	1.8	-3.1	-5.5	3.9	-9.7	13.0	Manufacture of interchangeable tyre treads and retreading rubber tyres
-1.65	1.6	-4.7	1.2	13.1	2.1	-0.1	0.02	-10.9	14.7	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
										Rubber remilling and latex processing
-4.4	-5.1	-11.9	4.4	2.6	-4.4	-4.8	8.6	-7.9	43.4	Manufacture of rubber gloves
5.7	5.1	-4.0	3.5	0.8	-0.2	1.0	6.1	-11.4	8.5	Manufacture of other rubber products n.e.c.
-9.8	5.9	-0.5	-0.6	-0.3	1.0	-1.6	-4.7	-4.0	10.7	Manufacture of plastics products
										Manufacture of semi-manufactures of plastic products
-6.6	-0.7	-4.2	2.6	-2.0	-3.5	-0.1	-2.3	-5.9	14.4	Manufacture of finished plastic products
-11.4	8.2	-2.1	-1.0	0.04	2.9	-3.6	-5.2	-1.4	8.9	Manufacture of plastic articles for the packing of goods
-8.6	14.4	1.0	1.7	-1.5	5.1	-11.9	-4.2	-3.0	15.9	Manufacture of builders' plastics ware
-1.8	-3.7	-1.8	-5.0	0.6	-11.4	1.9	-1.6	-6.4	12.3	Manufacture of plastic tableware, kitchenware and toilet articles
-16.3	15.9	7.1	-1.8	0.8	8.8	0.7	-8.0	-4.6	7.9	Manufacture of diverse plastic products n.e.c.
-7.6	1.7	-0.3	-10.0	2.7	16.5	4.0	8.2	-4.0	-0.2	Manufacture of glass and glass products

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

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

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
0.4	0.4	2.6	0.6	-2.9	11.7	2.5	8.6	-5.4	6.6	Manufacture of non-metallic mineral products n.e.c.
-2.5	-3.0	4.4	12.3	-5.7	6.1	-2.9	7.6	-7.2	3.1	Manufacture of refractory mortars and concretes
										Manufacture of non-refractory ceramic
-2.7	2.9	2.2	-6.3	7.9	3.9	-2.6	-9.0	-3.8	-5.2	Manufacture of other porcelain and ceramic products
0.6	0.5	0.5	-2.3	-0.3	13.1	-1.4	8.5	-2.2	9.5	Manufacture of hydraulic cement
0.4	1.3	0.2	-2.3	-4.0	13.6	3.6	7.1	-5.2	7.2	Manufacture of ready-mix and dry-mix concrete and mortars
										Manufacture of precast concrete, cement or artificial stone articles for use in construction
2.4	0.7	4.2	1.2	-4.3	12.6	6.9	12.6	-9.5	5.8	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.
-2.8	1.2	7.7	4.7	-2.0	10.1	-0.7	2.1	1.8	10.0	Manufacture of other non-metallic mineral products n.e.c.
-3.7	-5.6	-0.2	7.5	-4.9	1.6	1.0	5.6	-1.2	-9.2	Other industry
-3.2	-6.3	18.4	23.9	-1.7	5.9	-3.9	-2.9	5.3	6.0	Manufacture of basic iron and steel
-22.4	-5.3	31.1	30.4	1.7	-2.7	0.4	-2.1	-3.6	7.5	Manufacture of basic precious and other non-ferrous metals
5.3	-14.1	19.4	3.0	1.7	-4.6	-2.6	13.4	-6.6	5.5	Casting of metals
0.6	-6.4	0.7	-0.1	1.0	6.7	8.7	5.0	-4.9	1.9	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-1.0	-10.8	5.4	-1.3	-1.6	7.9	10.7	6.6	-5.1	-0.6	Manufacture of metal doors, windows and their frames, shutters and gates
										Manufacture of other structural metal products
5.0	4.5	-9.5	3.7	7.9	3.8	4.5	1.1	-4.1	9.0	Manufacture of tanks, reservoirs and containers of metal
0.8	1.0	-3.2	-8.4	-0.5	6.0	-0.4	2.3	-6.6	-1.0	Other industry
-1.4	-0.4	1.8	1.2	4.6	1.6	9.9	2.2	-7.5	12.1	Manufacture of other fabricated metal products; metal working service activities
1.1	0.9	3.4	-4.7	4.6	-0.3	0.9	0.2	-4.5	3.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.4	-0.9	-9.4	9.8	10.4	-1.3	24.0	5.0	-2.8	28.3	Treatment and coating of metals; machining
0.5	0.2	8.5	0.9	1.1	1.7	14.5	1.3	-10.6	10.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
										Manufacture of metal cable, plaited bands and similar articles
-2.1	-3.6	-0.8	0.2	5.8	1.7	8.0	5.0	-2.1	8.0	Manufacture of bolts, screws, nuts and similar threaded products
-6.7	7.6	-0.8	-1.6	7.0	-3.2	3.0	9.7	-1.5	-6.7	Manufacture of metal household articles
-3.1	1.4	3.9	3.4	3.6	3.2	10.8	-0.7	-18.1	18.3	Manufacture of any other fabricated metal products n.e.c.
-6.7	9.1	7.6	0.3	1.0	8.2	-3.4	-0.8	3.6	3.0	Other industry
13.4	-8.3	5.6	9.3	-9.2	-7.5	-2.3	-5.8	14.7	16.1	Manufacture of electronic components and boards
17.2	-5.0	3.1	7.5	-9.1	-10.8	4.2	-10.2	14.5	20.3	Manufacture of diodes, transistors and similar semiconductor devices
										Manufacture of electronic integrated circuits micro assemblies
										Manufacture of electrical capacitors and resistors
8.1	-13.3	9.7	10.0	-9.7	-2.7	-11.5	-1.6	17.8	11.8	Manufacture of printed circuit boards
										Manufacture of display components
16.2	-6.3	6.4	27.7	-5.9	-6.0	-0.8	13.9	-1.6	4.4	Manufacture of other components for electronic applications
-3.9	-1.5	5.2	-34.7	42.3	-7.7	6.3	14.0	11.9	12.1	Manufacture of computers and peripheral equipment
21.5	-16.1	16.2	21.0	-29.8	0.9	14.6	-12.1	1.5	13.0	Manufacture of communication equipment
2.2	7.6	7.1	14.1	-12.9	-1.2	-13.8	-4.8	2.6	9.0	Manufacture of consumer electronics
17.0	-0.6	5.1	19.4	-0.4	-1.8	0.9	-5.7	-7.0	11.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
16.6	-2.5	6.0	21.1	-0.9	-1.7	1.6	-4.9	-6.6	12.1	Manufacture of measuring, testing, navigating and control equipment
										Manufacture of industrial process control equipment
20.0	14.8	-1.0	7.0	3.4	-2.5	-4.2	-12.5	-10.3	6.3	Manufacture of watches and clocks and parts
12.2	-6.3	16.3	-1.8	10.6	8.6	-8.1	16.0	-18.8	10.1	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	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1.9	0.5	21.7	2.4	6.5	-8.1	1.8	17.1	-12.8	1.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-5.4	5.9	25.5	-11.8	-11.0	-0.6	-6.6	9.0	-1.5	2.4
27101	Pembuatan motor elektrik, penjana dan transformer	-11.7	-0.8	32.2	-11.1	-12.4	1.2	-8.7	1.8	-0.2	0.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-2.8	8.5	23.2	-12.0	-10.5	-1.3	-5.8	11.9	-2.0	3.2
272/ 27200	Pembuatan bateri dan akumulator	-25.3	8.8	-15.4	16.9	-10.5	-15.6	-13.6	-3.5	11.7	0.9
273	Pembuatan pendawaian dan peranti pendawaian	-2.9	-2.1	4.4	-3.6	-5.4	-2.3	0.7	-2.6	-0.7	-0.7
27310	Pembuatan kabel gentian optikal	15.2	15.4	1.7	-13.2	2.8	2.3	-7.2	7.5	4.1	12.3
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.0	-3.3	4.6	-2.7	-6.9	-2.3	1.0	-3.7	-0.5	-2.1
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.5	4.0	4.3	-8.1	11.3	-5.4	2.1	7.2	-7.2	10.9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-7.2	-1.4	30.4	-8.8	-0.7	-11.6	1.0	2.1	-10.7	13.1
275/ 27500	Pembuatan perkakasan domestik	-8.4	2.3	7.1	-14.4	9.9	-12.3	0.4	9.3	-0.8	-6.6
279/ 27900	Pembuatan kelengkapan elektrik lain	-2.1	8.2	8.0	-6.9	-14.1	-1.4	-2.6	4.0	-1.4	10.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-10.8	6.6	-8.5	13.4	-8.0	-12.6	-4.5	1.9	7.8	-0.2
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-29.8	-1.3	6.2	36.3	-28.6	-17.2	0.5	-19.0	15.1	-3.7
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-15.2	8.5	-5.8	16.1	-4.1	-15.9	-4.3	-3.0	11.7	0.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-3.6	11.6	-25.8	23.4	0.8	-6.7	-4.9	6.6	13.8	2.8
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-14.7	-1.5	-14.3	11.1	-17.9	-22.5	-6.8	11.7	3.9	-17.9
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-4.4	8.5	3.6	3.3	-6.5	-5.1	-3.8	0.5	2.0	10.3
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-13.6	-20.2	18.3	37.9	-10.6	-17.5	-10.8	13.5	-33.9	29.5
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	-0.6	-2.3	-5.2	19.8	-32.8	1.9	-8.3	19.2	-6.6	3.7
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	4.2	1.1	9.8	-1.9	0.5	0.4	-0.8	11.1	-14.7	19.0
301 (30110 & 30120)	Pembinaan kapal dan bot	5.0	-5.7	-24.6	27.6	0.02	8.1	0.9	17.1	9.2	-32.2
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.	-15.9	-1.6	2.6	17.7	-8.1	-15.2	-7.8	18.2	-9.4	-0.8
30910	Pembuatan motosikal	-18.2	6.1	12.2	7.7	2.1	-19.8	-7.1	6.7	-0.7	2.0
30920	Pembuatan basikal dan invalid carriages	-22.5	-1.0	-15.1	12.6	-3.6	-16.3	-4.9	3.4	-1.6	2.2
	Industri lain	-11.0	-5.6	6.6	25.4	-14.9	-12.1	-9.7	32.4	-16.5	-3.7
310	Pembuatan perabot	4.6	-20.4	-2.5	35.2	7.3	3.6	-4.7	7.8	-19.5	7.5
31001	Pembuatan perabot kayu dan rotan	8.2	-24.6	2.4	30.6	14.1	5.3	0.3	6.1	-23.5	3.4
	Industri lain	1.0	-16.0	-7.1	39.9	0.7	2.0	-9.6	9.6	-15.2	11.4
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-5.7	16.6	-15.4	13.6	0.8	4.2	-11.9	-0.3	18.4	8.1
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5.6	12.9	5.2	-11.8	-5.1	1.5	2.9	-0.7	10.3	8.8
32901	Pembuatan alat tulis	12.4	3.5	-0.3	-9.6	2.0	14.3	-0.7	-1.4	5.7	1.2
	Industri lain	3.5	16.1	6.9	-12.5	-7.2	-2.3	4.1	-0.5	11.8	11.2
323/ 32300	Pembuatan barangan sukan	12.5	4.8	-20.9	11.5	13.1	6.3	-4.0	18.2	13.7	-15.9
324/ 32400	Pembuatan permainan dan mainan	-8.7	26.5	-26.2	-3.9	4.5	-0.8	-14.5	26.5	17.0	21.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-3.6	-14.9	3.4	19.6	-0.4	-4.5	-3.4	15.1	-1.9	-30.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-5.2	-15.1	8.7	18.8	2.1	-8.3	-4.4	28.8	1.0	-40.9
	Industri lain	-2.6	-14.8	0.3	20.1	-2.0	-2.3	-2.9	7.8	-3.6	-23.4
Jumlah Pembuatan		-5.3	-2.3	3.3	1.7	-0.9	-5.4	-1.9	7.6	-7.2	1.3

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
7.1	10.3	7.6	-0.3	-1.1	3.7	-3.4	9.2	-6.3	9.0	Manufacture of optical instruments, photographic equipment, magnetic and optical media
6.9	12.4	7.9	2.1	-10.6	-5.8	-4.0	-1.4	-10.0	4.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
3.3	14.4	19.1	0.9	-9.9	-8.7	-4.4	1.0	-12.2	1.4	Manufacture of electric motors, generators and transformers
8.2	11.8	4.0	2.6	-10.8	-4.6	-3.8	-2.3	-9.1	5.2	Manufacture of electricity distribution and control apparatus
13.3	-33.3	12.2	22.4	1.9	-4.0	0.04	-2.3	-11.2	1.1	Manufacture of batteries and accumulators
1.8	1.0	2.7	1.6	-2.8	-2.2	-3.9	7.1	-12.1	-1.8	Manufacture of wiring and wiring devices
0.6	2.1	8.7	-28.1	7.8	-9.6	16.1	2.2	-6.2	-4.8	Manufacture of fibre optic cables
2.2	1.3	1.8	3.9	-2.9	-2.0	-4.7	6.6	-12.9	-1.9	Manufacture of other electronic and electric wires and cables
-2.3	-4.1	12.0	-3.2	-7.4	-0.9	-5.0	19.9	-5.9	0.8	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
-0.5	20.6	7.2	-1.2	-7.0	-0.7	-8.6	12.9	-7.7	-4.0	Manufacture of electric lighting equipment
4.8	-1.8	17.7	-9.2	-10.7	-3.5	-1.8	10.5	-0.5	6.6	Manufacture of domestic appliances
2.8	-0.4	2.1	5.4	-8.6	-1.4	-4.0	-2.7	-15.8	5.8	Manufacture of other electrical equipment
-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	Manufacture of general-purpose and special-purpose machinery
4.6	-16.6	11.7	46.7	-0.4	10.9	-7.4	-17.7	-8.7	-19.5	Manufacture of fluid power equipment
1.5	-10.1	4.2	2.3	1.0	15.8	3.1	-8.4	-4.9	3.9	Manufacture of other pumps, compressors, taps and valves
-18.4	-23.6	18.2	-4.2	7.8	13.8	6.6	-3.4	-5.9	-0.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
8.1	-9.4	-17.4	28.2	1.9	-1.5	0.2	-13.4	-11.9	10.5	Manufacture of metal-forming machinery and machine tools
1.7	-7.8	17.5	-9.9	2.3	7.0	-4.9	-2.9	-3.6	-0.9	Manufacture of air-conditioning machines, including for motor vehicles
-9.7	17.7	-7.3	13.2	19.7	16.6	-5.5	1.5	-17.5	-4.4	Manufacture of other special-purpose machinery n.e.c.
-18.8	10.5	-2.5	-1.5	21.7	5.0	-8.6	-29.6	-12.4	27.9	Other industry
-4.6	9.3	1.2	-8.2	-3.1	13.7	-6.2	4.4	-3.4	-4.1	Manufacture of motor vehicles
-3.8	-17.4	0.6	24.8	26.2	-18.1	-1.4	-1.6	2.9	24.0	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
1.9	0.6	1.1	0.8	7.6	18.0	-9.2	-3.5	-10.6	11.1	Manufacture of parts and accessories for motor vehicles
10.7	6.6	-3.8	1.3	-1.2	14.2	0.1	8.3	-14.4	-0.4	Building of ships and boats
-4.1	-13.6	2.3	-3.7	11.9	7.0	-6.5	5.9	-17.6	17.8	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
0.4	4.4	3.5	2.4	10.8	24.3	-14.3	-13.2	-4.9	15.4	Manufacture of motorcycles
-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	Manufacture of bicycles and invalid carriages
-21.9	8.0	10.7	11.1	9.3	12.8	-1.1	6.8	-3.1	17.4	Other industry
-29.8	4.8	-0.4	29.4	14.4	4.7	2.4	3.4	-12.7	9.9	Manufacture of furniture
-6.3	-24.6	5.9	29.3	-11.8	12.8	-2.6	6.8	-14.0	6.0	Manufacture of wooden and cane furniture
-10.9	7.8	5.1	-2.4	-8.9	-4.3	-1.3	-2.2	0.3	-2.5	Other industry
-5.0	2.0	7.6	-11.8	-1.4	-7.0	6.9	1.2	-6.5	10.3	Manufacture of jewellery, bijouterie and related articles
-12.5	9.6	4.4	0.4	-10.8	-3.5	-3.6	-3.3	2.6	-6.2	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-19.8	6.3	-15.9	11.1	7.5	1.1	5.9	11.6	-7.9	8.5	Manufacture of stationery
-40.4	-9.0	10.0	8.4	0.04	-14.4	-7.0	6.4	0.5	26.0	Other industry
1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	Manufacture of sports goods
-0.9	3.8	21.0	39.0	-9.8	7.0	-8.7	-2.5	-1.3	29.8	Manufacture of games and toys
2.0	-1.8	4.8	22.5	0.7	7.9	-5.9	-1.3	-5.3	14.0	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.3	Repair and maintenance of transport equipment except motorcycles and bicycles
										Other industry
0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.3	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	2023	
				Q1	Q2
101	Pemprosesan dan pengawetan daging	13,600	14,664	13,849	14,305
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,751	17,342	17,382	17,330
	10201 Pengetinan ikan, krustasea dan moluska				
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,170	14,485	14,711	14,566
	Industri lain	2,581	2,857	2,671	2,764
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9,962	10,127	10,536	10,835
	10303 Pengetinan nanas				
	10304 Pembuatan jem, marmalad dan sajian jeli	620	570	568	560
	Industri lain	9,342	9,557	9,967	10,275
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,266	89,888	85,462	85,734
	10404 Pembuatan minyak sayuran mentah dan bertapis	4,052	4,477	4,124	4,141
	10406 Pembuatan sebatian lemak masakan				
	10405 Pembuatan minyak kelapa	2,542	2,631	2,558	2,558
	Industri lain	77,672	82,779	78,780	79,035
105	Pembuatan produk tenusu	13,321	13,874	13,366	13,280
	10502 Pembuatan susu pekat, tepung dan sejat	9,674	9,858	9,678	9,560
	Industri lain	3,648	4,017	3,689	3,719
106	Pembuatan produk bijian, kanji dan produk	11,197	11,538	11,341	11,257
	10611 Pengilangan beras	5,307	5,400	5,421	5,301
	10613 Pengilangan tepung	4,921	5,223	5,010	5,044
	Industri lain	969	915	910	912
107	Pembuatan produk makanan lain	130,228	141,851	132,812	133,853
	10711 Pembuatan biskut dan cookies	14,486	14,889	14,747	14,600
	10712 Pembuatan roti, kek dan produk bakeri lain	31,304	33,814	31,832	32,231
	10713 Pembuatan produk snek	8,846	9,620	8,858	8,961
	10721 Pembuatan gula	1,744	1,836	1,760	1,783
	10731 Pembuatan produk koko	2,563	2,644	2,523	2,614
	10732 Pembuatan coklat dan produk coklat				
	&				
	10733 Pembuatan konfeksi gula	7,861	8,634	7,925	7,955
	10793 Pembuatan sos dan bahan perasa	11,546	13,437	11,881	11,908
	10799 Pembuatan produk makanan lain t.t.t.l.	15,127	18,153	15,474	16,158
	Industri lain	36,752	38,825	37,813	37,642
108/ 10800	Pembuatan makanan haiwan tersedia	15,573	13,666	15,606	15,188
110	Pembuatan minuman ringan	16,373	16,805	16,770	16,865
	11041 Pembuatan minuman ringan	10,622	10,717	10,744	10,847
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3,923	4,111	4,197	4,172
	Industri lain	1,828	1,976	1,829	1,846
120/ 12000	Pembuatan produk tembakau	1,232	1,259	1,448	1,254
131	Pemintalan, penenunan dan penyiapan tekstil	13,055	13,207	13,274	13,204
	13110 Penyediaan dan pemintalan gentian tekstil				
	&				
	13120 Penenunan tekstil	8,882	9,168	9,093	9,029
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,762	3,592	3,690	3,701
	Industri lain	412	447	491	474
139	Pembuatan tekstil lain	14,816	15,096	14,841	15,173
	13910 Pembuatan fabrik dikait dan dikrusye	5,792	5,531	5,619	5,657
	Industri lain	9,024	9,564	9,222	9,515
141	Pembuatan pakaian, kecuali pakaian berbulu	42,584	43,688	42,881	42,985
	14102 Pembuatan pakaian	31,056	31,863	31,236	31,154
	Industri lain	11,528	11,825	11,645	11,831
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,007	1,093	1,089	1,086
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,843	5,808	6,032	5,746
152	Pembuatan kasut	6,717	7,071	6,979	7,072
	15201 Pembuatan kasut kulit				
	&				
	15203 Pembuatan kasut getah	3,748	3,719	3,760	3,667
	Industri lain	2,969	3,352	3,219	3,405
161/ 16100	Pengilangan dan pengetaman kayu	25,101	24,448	25,234	24,629

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
14,857	14,664	14,966	13,849	14,966	Processing and preserving of meat
17,416	17,342	17,616	17,382	17,616	Processing and preserving of fish, crustaceans and molluscs
					Canning of fish, crustaceans and molluscs
14,554	14,485	14,642	14,711	14,642	Processing, curing and preserving of fish, crustacean and molluscs
2,862	2,857	2,974	2,671	2,974	Other industry
10,474	10,127	10,789	10,536	10,789	Processing and preserving of fruits and vegetable
					Pineapple canning
570	570	583	568	583	Manufacture of jams, marmalades and table jellies
9,904	9,557	10,206	9,967	10,206	Other industry
89,500	89,888	89,298	85,462	89,298	Manufacture of vegetable and animal oils and fats
					Manufacture of crude and refined vegetable oil
4,465	4,477	4,604	4,124	4,604	Manufacture of compound cooking fats
2,633	2,631	2,669	2,558	2,669	Manufacture of coconut oil
82,401	82,779	82,025	78,780	82,025	Other industry
13,759	13,874	14,144	13,366	14,144	Manufacture of dairy products
9,830	9,858	10,197	9,678	10,197	Manufacture of condensed, powdered and evaporated milk
3,928	4,017	3,947	3,689	3,947	Other industry
11,509	11,538	11,325	11,341	11,325	Manufacture of grain mill products, starches and starch products
5,390	5,400	5,438	5,421	5,438	Rice milling
5,202	5,223	4,992	5,010	4,992	Flour milling
917	915	895	910	895	Other industry
140,391	141,851	142,155	132,812	142,155	Manufacture of other food products
14,836	14,889	14,430	14,747	14,430	Manufacture of biscuits and cookies
33,443	33,814	33,618	31,832	33,618	Manufacture of bread, cakes and other bakery products
9,202	9,620	9,581	8,858	9,581	Manufacture of snack products
1,878	1,836	1,829	1,760	1,829	Manufacture of sugar
2,636	2,644	2,569	2,523	2,569	Manufacture of cocoa products
					Manufacture of chocolate and chocolate products
8,566	8,634	8,682	7,925	8,682	Manufacture of sugar confectionery
12,698	13,437	13,873	11,881	13,873	Manufacture of sauces and condiments
18,537	18,153	18,596	15,474	18,596	Manufacture of other food products n.e.c.
38,595	38,825	38,979	37,813	38,979	Other industry
14,266	13,666	13,947	15,606	13,947	Manufacture of prepared animal feeds
16,602	16,805	17,129	16,770	17,129	Manufacture of beverages
10,607	10,717	10,884	10,744	10,884	Manufacture of soft drinks
4,104	4,111	4,247	4,197	4,247	Production of natural mineral waters and other bottled waters
1,890	1,976	1,998	1,829	1,998	Other industry
1,271	1,259	1,331	1,448	1,331	Manufacture of tobacco products
13,419	13,207	13,470	13,274	13,470	Spinning, weaving and finishing of textiles
					Preparation and spinning of textile fibres
9,316	9,168	9,433	9,093	9,433	Weaving of textiles
3,610	3,592	3,568	3,690	3,568	Dyeing, bleaching, printing and finishing of yarns and fabrics
493	447	469	491	469	Other industry
15,177	15,096	14,854	14,841	14,854	Manufacture of other textiles
5,593	5,531	5,407	5,619	5,407	Manufacture of knitted and crocheted fabrics
9,584	9,564	9,447	9,222	9,447	Other industry
42,139	43,688	44,375	42,881	44,375	Manufacture of wearing apparel, except fur apparel
30,424	31,863	32,580	31,236	32,580	Manufacture of clothings
11,715	11,825	11,795	11,645	11,795	Other industry
1,114	1,093	1,099	1,089	1,099	Manufacture of articles of fur, knitted and crocheted apparel
5,903	5,808	5,680	6,032	5,680	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7,012	7,071	7,209	6,979	7,209	Manufacture of footwear
					Manufacture of leather footwear
3,659	3,719	3,731	3,760	3,731	Manufacture of rubber footwear
3,353	3,352	3,478	3,219	3,478	Other industry
24,640	24,448	24,271	25,234	24,271	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.	Mac	
14,080	14,139	14,857	14,918	14,906	14,664	14,832	14,925	14,966	Processing and preserving of meat
17,410	17,136	17,416	17,348	17,206	17,342	17,808	17,743	17,616	Processing and preserving of fish, crustaceans and molluscs
14,788	14,313	14,554	14,570	14,351	14,485	14,874	14,747	14,642	Canning of fish, crustaceans and molluscs
2,622	2,823	2,862	2,778	2,855	2,857	2,934	2,996	2,974	Processing, curing and preserving of fish, crustacean and molluscs
10,731	10,224	10,474	10,474	10,303	10,127	10,503	10,712	10,789	Other industry
578	564	570	572	567	570	546	601	583	Processing and preserving of fruits and vegetable
10,153	9,660	9,904	9,902	9,736	9,557	9,957	10,112	10,206	Pineapple canning
86,716	87,316	89,500	89,940	89,900	89,888	89,773	89,390	89,298	Manufacture of jams, marmalades and table jellies
4,163	4,424	4,465	4,480	4,474	4,477	4,426	4,588	4,604	Other industry
2,542	2,582	2,633	2,633	2,623	2,631	2,669	2,673	2,669	Manufacture of vegetable and animal oils and
80,011	80,310	82,401	82,827	82,804	82,779	82,678	82,129	82,025	Manufacture of crude and refined vegetable oil
13,366	13,533	13,759	13,774	13,853	13,874	14,023	13,937	14,144	Manufacture of compound cooking fats
9,638	9,744	9,830	9,797	9,824	9,858	10,060	9,972	10,197	Manufacture of coconut oil
3,728	3,788	3,928	3,976	4,029	4,017	3,962	3,964	3,947	Manufacture of condensed, powdered and
11,238	11,025	11,509	11,502	11,541	11,538	11,615	11,351	11,325	Other industry
5,279	5,123	5,390	5,392	5,435	5,400	5,492	5,517	5,438	Manufacture of grain mill products, starches
5,033	5,007	5,202	5,207	5,193	5,223	5,226	4,940	4,992	Rice milling
926	895	917	903	912	915	897	893	895	Flour milling
135,228	138,077	140,391	141,712	141,605	141,851	143,476	142,916	142,155	Other industry
14,639	14,711	14,836	14,783	14,847	14,889	14,944	14,786	14,430	Manufacture of other food products
33,322	32,948	33,443	33,837	33,795	33,814	34,029	34,078	33,618	Manufacture of biscuits and cookies
8,856	9,083	9,202	9,270	9,453	9,620	9,784	9,626	9,581	Manufacture of bread, cakes and other bakery
1,785	1,862	1,878	1,885	1,838	1,836	1,839	1,843	1,829	Manufacture of snack products
2,617	2,602	2,636	2,658	2,649	2,644	2,653	2,647	2,569	Manufacture of sugar
8,087	8,511	8,566	8,641	8,711	8,634	8,761	8,708	8,682	Manufacture of sugar
11,819	12,519	12,698	12,810	13,505	13,437	13,754	13,723	13,873	Manufacture of cocoa products
16,501	17,951	18,537	18,923	17,994	18,153	18,611	18,669	18,596	Manufacture of chocolate and chocolate products
37,603	37,889	38,595	38,905	38,813	38,825	39,100	38,836	38,979	Manufacture of sugar confectionery
15,039	14,475	14,266	14,143	14,284	13,666	13,905	13,915	13,947	Manufacture of sauces and condiments
16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045	17,129	Manufacture of other food products n.e.c.
10,907	10,568	10,607	10,643	10,633	10,717	10,808	10,787	10,884	Other industry
4,190	4,096	4,104	4,145	4,097	4,111	4,259	4,262	4,247	Manufacture of prepared animal feeds
1,856	1,875	1,890	1,901	1,892	1,976	1,974	1,996	1,998	Manufacture of beverages
1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320	1,331	Manufacture of soft drinks
13,025	13,376	13,419	13,371	13,309	13,207	13,152	13,122	13,470	Manufacture of natural mineral waters and other bottled waters
9,075	9,310	9,316	9,269	9,264	9,168	9,112	9,092	9,433	Other industry
3,485	3,580	3,610	3,618	3,602	3,592	3,588	3,577	3,568	Manufacture of tobacco products
465	486	493	484	443	447	453	453	469	Spinning, weaving and finishing of textiles
15,115	15,173	15,177	15,148	15,124	15,096	15,312	14,871	14,854	Preparation and spinning of textile fibres
5,604	5,636	5,593	5,585	5,576	5,531	5,594	5,391	5,407	Weaving of textiles
9,511	9,537	9,584	9,563	9,548	9,564	9,717	9,480	9,447	Dyeing, bleaching, printing and finishing of yarns and fabrics
42,441	41,773	42,139	41,735	43,481	43,688	44,103	44,189	44,375	Other industry
30,709	30,120	30,424	30,239	31,657	31,863	32,271	32,361	32,580	Manufacture of other textiles
11,732	11,654	11,715	11,496	11,824	11,825	11,831	11,828	11,795	Manufacture of knitted and crocheted fabrics
1,080	1,107	1,114	1,042	1,102	1,093	1,100	1,098	1,099	Other industry
5,673	5,750	5,903	5,935	5,891	5,808	5,772	5,751	5,680	Manufacture of wearing apparel, except fur
7,031	6,915	7,012	7,137	7,099	7,071	7,181	7,270	7,209	Manufacture of clothings
3,646	3,644	3,659	3,720	3,733	3,719	3,827	3,802	3,731	Other industry
3,386	3,271	3,353	3,417	3,365	3,352	3,354	3,467	3,478	Manufacture of articles of fur, knitted and crocheted apparel
24,377	24,802	24,640	24,792	24,924	24,448	24,204	23,918	24,271	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
									Manufacture of footwear
									Manufacture of leather footwear
									Manufacture of rubber footwear
									Other industry
									Sawmilling and planning of wood

Jadual
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	2023	
				Q1	Q2
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,943	69,802	67,728	68,036
16211	Pembuatan kepingan venier dan papan lapis	38,426	39,618	37,446	37,646
16212	Pembuatan papan partikel dan papan gentian	6,419	6,961	6,345	6,563
16221	Pertukangan kayu untuk jurubina	10,830	9,650	10,642	10,645
	Industri lain	13,268	13,573	13,295	13,181
170	Pembuatan kertas dan produk kertas	58,658	59,265	59,308	57,626
17010	Pembuatan pulpa, kertas dan kertas tebal	9,259	9,041	9,332	8,473
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,850	23,505	23,877	23,353
17091	Pembuatan sampul surat dan kad surat	1,692	1,762	1,789	1,769
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,818	11,370	10,723	10,515
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,480	7,480	7,837	7,792
	Industri lain	5,559	6,107	5,749	5,724
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,120	71,281	70,319	68,955
18110	Percetakan	57,286	58,603	57,476	56,770
18120	Aktiviti perkhidmatan berkaitan percetakan				
&		12,834	12,678	12,843	12,185
18200	Penerbitan semula media rakaman				
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,817	18,473	18,486	18,149
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	47,560	47,699	49,475	48,507
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,802	6,330	6,315	6,155
20112	Pembuatan kimia organik asas				
&		19,633	19,255	20,155	19,696
20113	Pembuatan sebatian bukan organik				
20121	Pembuatan baja				
&		7,649	7,201	8,353	7,982
20129	Pembuatan produk campuran nitrogen				
20131	Pembuatan plastik dalam bentuk primer	11,413	11,649	11,428	11,453
	Industri lain	3,063	3,264	3,226	3,221
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,336	55,846	58,105	55,785
20210	Pembuatan racun perosak dan produk agrokimia lain	4,030	4,587	4,262	4,151
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,451	9,587	9,966	9,644
20222	Pembuatan dakwat cetak	5,659	5,924	5,967	5,983
20231	Pembuatan sabun dan bahan pencuci, penyediaan				
&	membersih dan mengilat	21,711	20,041	21,322	19,568
20232	Pembuatan pewangi dan penyediaan dandanan diri				
20291	Pembuatan plat fotografi, filem, sensitized paper dan other				
&	sensitized unexposed materials				
20292	Pembuatan dakwat menulis dan melukis	16,082	15,435	16,137	16,006
&					
20299	Pembuatan produk kimia lain t.t.t.l.				
	Industri lain	402	273	451	433
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	27,325	27,967	26,901	27,916
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	19,310	19,519	18,765	19,668
	Industri lain	8,015	8,448	8,136	8,249
221	Pembuatan produk getah	122,297	117,399	121,509	114,969
22111	Pembuatan tayar getah untuk kenderaan	6,618	6,790	6,740	7,052
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,289	2,564	2,340	2,279
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak				
&	divulkan, divulkan atau dikeraskan	17,767	18,551	18,775	19,192
22193	Pengilangan semula getah dan prosesan susu getah				
2024	22192 Pembuatan sarung tangan getah	62,537	56,913	60,077	55,214
	22199 Pembuatan produk getah lain yang t.t.t.l.	33,087	32,581	33,577	31,231
222	Pembuatan produk plastik	159,013	164,184	159,633	161,005
22201	Pembuatan produk plastik separa siap				
&		37,664	38,248	37,301	38,558
22202	Pembuatan produk plastik siap				
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,397	53,304	50,812	51,215
22204	Pembuatan barangan plastik jurubina	3,656	3,666	3,699	3,690
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,177	14,272	14,782	14,642
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,120	54,694	53,040	52,901
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	20,948	20,742	21,026	21,133

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
68,637	69,802	67,760	67,728	67,760	Manufacture of products of wood, cork, straw and plaiting materials
38,723	39,618	37,829	37,446	37,829	Manufacture of veneer sheets and plywood
7,116	6,961	7,008	6,345	7,008	Manufacture of particle board and fibreboard
9,651	9,650	9,627	10,642	9,627	Manufacture of builders' carpentry
13,146	13,573	13,296	13,295	13,296	Other industry
58,587	59,265	59,848	59,308	59,848	Manufacture of paper and paper products
8,582	9,041	9,297	9,332	9,297	Manufacture of pulp, paper and paperboard
23,416	23,505	23,403	23,877	23,403	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,777	1,762	1,715	1,789	1,715	Manufacture of envelopes and letter-card
11,368	11,370	11,361	10,723	11,361	Manufacture of household and personal hygiene paper
7,465	7,480	7,856	7,837	7,856	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,979	6,107	6,215	5,749	6,215	Other industry
68,928	71,281	68,381	70,319	68,381	Printing, service activities related to printing and reproduction of recorded media
56,789	58,603	56,011	57,476	56,011	Printing
12,139	12,678	12,370	12,843	12,370	Service activities related to printing
					Reproduction of recorded media
18,199	18,473	18,821	18,486	18,821	Manufacture of refined petroleum products
47,094	47,699	49,133	49,475	49,133	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6,192	6,330	6,818	6,315	6,818	Manufacture of liquefied or compressed inorganic industrial or medical gases
19,050	19,255	19,676	20,155	19,676	Manufacture of basic organic chemicals
					Manufacture of inorganic compounds
					Manufacture of fertilizers
7,227	7,201	7,397	8,353	7,397	Manufacture of associated nitrogen products
11,411	11,649	11,866	11,428	11,866	Manufacture of plastics in primary forms
3,215	3,264	3,377	3,226	3,377	Other industry
55,364	55,846	56,350	58,105	56,350	Manufacture of other chemical products and man-made fibres
4,419	4,587	4,643	4,262	4,643	Manufacture of pesticides and other agrochemical products
9,412	9,587	10,133	9,966	10,133	Manufacture of paints, varnishes and similar coatings ink and mastics
5,883	5,924	6,068	5,967	6,068	Manufacture of printing ink
19,767	20,041	19,883	21,322	19,883	Manufacture of soap and detergents, cleaning and polishing preparations
					Manufacture of perfumes and toilet preparations
15,588	15,435	15,334	16,137	15,334	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.
295	273	288	451	288	Other industry
29,297	27,967	27,334	26,901	27,334	Manufacture of pharmaceuticals, medicinal chemical and botanical products
20,535	19,519	18,758	18,765	18,758	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,762	8,448	8,576	8,136	8,576	Other industry
118,329	117,399	115,414	121,509	115,414	Manufacture of rubber products
6,731	6,790	6,761	6,740	6,761	Manufacture of rubber tyres for vehicles
2,427	2,564	2,566	2,340	2,566	Manufacture of interchangeable tyre treads and retreading rubber tyres
18,619	18,551	18,997	18,775	18,997	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
					Rubber remilling and latex processing
57,500	56,913	54,956	60,077	54,956	Manufacture of rubber gloves
33,052	32,581	32,134	33,577	32,134	Manufacture of other rubber products n.e.c.
163,072	164,184	163,740	159,633	163,740	Manufacture of plastics products
38,510	38,248	37,765	37,301	37,765	Manufacture of semi-manufactures of plastic products
					Manufacture of finished plastic products
53,151	53,304	53,214	50,812	53,214	Manufacture of plastic articles for the packing of goods
3,708	3,666	3,699	3,699	3,699	Manufacture of builders' plastics ware
14,638	14,272	14,756	14,782	14,756	Manufacture of plastic tableware, kitchenware and toilet articles
53,066	54,694	54,306	53,040	54,306	Manufacture of diverse plastic products n.e.c.
21,102	20,742	21,080	21,026	21,080	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.	Mac	
68,079	68,083	68,637	69,247	70,125	69,802	69,268	69,320	67,760	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	37,829	Manufacture of veneer sheets and plywood
6,555	7,458	7,116	7,092	7,005	6,961	6,921	7,077	7,008	Manufacture of particle board and fibreboard
10,417	9,814	9,651	9,703	9,701	9,650	9,739	9,692	9,627	Manufacture of builders' carpentry
12,868	12,938	13,146	13,386	13,608	13,573	13,684	13,554	13,296	Other industry
57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910	59,848	Manufacture of paper and paper products
8,462	8,641	8,582	8,701	8,693	9,041	9,333	9,357	9,297	Manufacture of pulp, paper and paperboard
23,039	22,862	23,416	23,682	23,660	23,505	23,312	23,406	23,403	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	1,715	Manufacture of envelopes and letter-card
10,347	11,002	11,368	11,526	11,436	11,370	11,397	11,420	11,361	Manufacture of household and personal hygiene
7,753	7,519	7,465	7,557	7,496	7,480	7,512	7,832	7,856	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	6,215	Other industry
68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558	68,381	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	56,011	Printing
12,222	12,345	12,139	12,648	12,587	12,678	12,424	12,460	12,370	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	18,821	Manufacture of refined petroleum products
46,679	47,278	47,094	47,911	47,892	47,699	48,215	48,536	49,133	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	6,818	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	19,676	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	7,397	Manufacture of associated nitrogen products
11,248	11,482	11,411	11,580	11,661	11,649	11,738	11,855	11,866	Manufacture of plastics in primary forms
3,078	3,176	3,215	3,292	3,271	3,264	3,337	3,350	3,377	Other industry
56,305	56,092	55,364	55,918	56,239	55,846	55,744	55,915	56,350	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	4,643	Manufacture of pesticides and other agrochemical
9,598	9,563	9,412	9,528	9,557	9,587	9,854	9,874	10,133	Manufacture of paints, varnishes and similar
6,025	5,962	5,883	5,914	5,932	5,924	5,968	5,957	6,068	Manufacture of printing ink
20,034	20,119	19,767	19,969	20,058	20,041	19,489	19,756	19,883	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	15,334	Manufacture of writing and drawing ink
									Manufacture of other chemical products n.e.c.
430	323	295	273	273	273	273	280	288	Other industry
28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303	27,334	Manufacture of pharmaceuticals, medicinal chemical and botanical products
19,899	20,519	20,535	20,611	19,553	19,519	18,859	18,831	18,758	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	8,576	Other industry
115,215	117,851	118,329	118,150	117,668	117,399	116,188	115,900	115,414	Manufacture of rubber products
7,490	6,723	6,731	6,708	6,814	6,790	6,834	6,787	6,761	Manufacture of rubber tyres for vehicles
2,301	2,360	2,427	2,473	2,665	2,564	2,571	2,581	2,566	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	18,997	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	54,956	Rubber remilling and latex processing
31,215	32,679	33,052	33,184	32,851	32,581	32,736	32,329	32,134	Manufacture of rubber gloves
164,502	162,784	163,072	163,099	164,385	164,184	164,713	164,009	163,740	Manufacture of other rubber products n.e.c.
38,435	38,464	38,510	38,449	38,259	38,248	38,153	38,275	37,765	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	53,214	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	3,699	Manufacture of builders' plastics ware
14,102	14,978	14,638	14,344	14,283	14,272	14,657	14,639	14,756	Manufacture of plastic tableware, kitchenware and toilet articles
55,907	53,269	53,066	53,331	54,992	54,694	54,622	54,021	54,306	Manufacture of diverse plastic products n.e.c.
20,225	21,028	21,102	20,841	20,784	20,742	20,798	20,939	21,080	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	2023	
				Q1	Q2
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,356	88,491	84,597	86,275
23911	Pembuatan mortar refraktori dan konkrit				
&					
23921	Pembuatan seramik bukan refraktori	10,661	9,801	9,930	9,940
23930	Pembuatan produk porselin dan seramik lain	5,248	4,467	4,429	4,517
23941	Pembuatan simen hidrolik	7,303	7,374	7,152	7,117
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,685	16,934	15,664	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	30,016	31,244	30,811	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.	8,662	9,737	8,532	8,805
	Industri lain	7,782	8,934	8,081	8,360
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,534	57,448	54,032	54,571
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,642	40,119	43,283	41,983
243	Pengacuan logam	14,362	14,589	15,271	14,598
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,158	60,999	60,572	59,198
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan				
&	pintu pagar daripada logam				
25119	Pembuatan produk struktur logam lain	40,355	42,207	40,398	39,265
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,447	10,497	11,540	11,296
	Industri lain	8,357	8,295	8,633	8,637
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	99,084	104,424	101,196	99,035
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,151	22,087	21,696	20,746
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,860	11,612	13,812	13,007
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,655	8,120	7,797	7,547
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,365	20,973	19,498	19,500
&					
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				
25994	Pembuatan barangan rumah daripada logam	3,168	3,615	3,374	3,354
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,427	25,279	23,789	23,520
	Industri lain	10,458	12,738	11,228	11,362
261	Pembuatan komponen dan papan elektronik	234,460	238,894	236,008	242,587
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya				
&					
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	127,805	128,999	127,630	130,000
26103	Pembuatan kapasitor dan perintang elektrik				
&					
26104	Pembuatan papan litar bercetak	92,370	95,182	94,113	97,567
&					
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,285	14,712	14,265	15,021
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	69,667	67,464	66,793	66,941
263/ 26300	Pembuatan peralatan komunikasi	26,230	26,319	25,929	26,504
264/ 26400	Pembuatan peralatan elektronik pengguna	35,099	36,292	34,130	34,337
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,734	31,691	32,146	32,143
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	24,604	24,642	24,911	25,311
&					
26512	Pembuatan kelengkapan kawalan proses perindustrian				
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,131	7,049	7,236	6,832
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,120	12,708	13,055	13,114

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
88,467	88,491	84,706	84,597	84,706	Manufacture of non-metallic mineral products n.e.c.
9,890	9,801	9,010	9,930	9,010	Manufacture of refractory mortars and concretes
4,532	4,467	4,364	4,429	4,364	Manufacture of non-refractory ceramic
7,085	7,374	7,153	7,152	7,153	Manufacture of other porcelain and ceramic products
16,840	16,934	16,016	15,664	16,016	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
31,841	31,244	29,317	30,811	29,317	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
9,416	9,737	9,690	8,532	9,690	Manufacture of other articles of concrete, cement and plaster n.e.c.
8,864	8,934	9,157	8,081	9,157	Manufacture of other non-metallic mineral products n.e.c.
					Other industry
56,411	57,448	57,788	54,032	57,788	Manufacture of basic iron and steel
40,579	40,119	40,203	43,283	40,203	Manufacture of basic precious and other non-ferrous metals
14,907	14,589	15,168	15,271	15,168	Casting of metals
59,930	60,999	61,607	60,572	61,607	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
41,170	42,207	42,492	40,398	42,492	Manufacture of metal doors, windows and their frames, shutters and gates
10,565	10,497	10,676	11,540	10,676	Manufacture of other structural metal products
8,194	8,295	8,440	8,633	8,440	Manufacture of tanks, reservoirs and containers of metal
					Other industry
103,148	104,424	105,871	101,196	105,871	Manufacture of other fabricated metal products; metal working service activities
22,294	22,087	21,514	21,696	21,514	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
11,600	11,612	12,241	13,812	12,241	Treatment and coating of metals; machining
8,223	8,120	8,434	7,797	8,434	Manufacture of tins and cans for food products, collapsible tubes and boxes
20,294	20,973	21,381	19,498	21,381	Manufacture of metal cable, plaited bands and similar articles
3,383	3,615	3,559	3,374	3,559	Manufacture of bolts, screws, nuts and similar threaded products
24,658	25,279	25,516	23,789	25,516	Manufacture of metal household articles
12,696	12,738	13,226	11,228	13,226	Manufacture of any other fabricated metal products n.e.c.
					Other industry
242,230	238,894	230,131	236,008	230,131	Manufacture of electronic components and boards
130,403	128,999	124,881	127,630	124,881	Manufacture of diodes, transistors and similar semiconductor devices
					Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
96,888	95,182	90,605	94,113	90,605	Manufacture of printed circuit boards
					Manufacture of display components
14,939	14,712	14,644	14,265	14,644	Manufacture of other components for electronic applications
66,748	67,464	67,910	66,793	67,910	Manufacture of computers and peripheral equipment
26,052	26,319	26,073	25,929	26,073	Manufacture of communication equipment
37,718	36,292	35,649	34,130	35,649	Manufacture of consumer electronics
31,578	31,691	32,011	32,146	32,011	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
24,547	24,642	24,815	24,911	24,815	Manufacture of measuring, testing, navigating and control equipment
7,031	7,049	7,196	7,236	7,196	Manufacture of industrial process control equipment
					Manufacture of watches and clocks and parts
12,862	12,708	12,236	13,055	12,236	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 hidrolik	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.	Mac	
87,570	87,684	88,467	88,180	88,875	88,491	86,363	84,916	84,706	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	9,010	Manufacture of non-refractory ceramic
4,584	4,685	4,532	4,480	4,525	4,467	4,393	4,317	4,364	Manufacture of other porcelain and ceramic
7,381	7,000	7,085	7,074	7,381	7,374	7,443	7,420	7,153	Manufacture of hydraulic cement
16,281	16,315	16,840	16,709	17,103	16,934	16,968	15,943	16,016	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	29,317	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	9,690	Manufacture of other articles of concrete, cement
8,466	8,828	8,864	8,819	8,897	8,934	9,174	9,171	9,157	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	57,788	Manufacture of basic iron and steel
42,129	40,837	40,579	40,711	40,093	40,119	40,581	40,307	40,203	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	15,168	Casting of metals
59,123	60,012	59,930	59,600	59,598	60,999	61,110	60,874	61,607	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	42,492	Manufacture of other structural metal products
11,205	10,141	10,565	10,450	10,643	10,497	10,690	10,717	10,676	Manufacture of tanks, reservoirs and containers of metal
8,400	8,159	8,194	8,267	8,299	8,295	8,397	8,297	8,440	Other industry
99,938	101,819	103,148	103,362	103,038	104,424	105,606	105,475	105,871	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	21,514	Treatment and coating of metals; machining
12,885	11,668	11,600	11,719	11,630	11,612	11,827	11,836	12,241	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	8,434	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	21,381	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	3,559	Manufacture of metal household articles
23,414	24,327	24,658	24,744	24,606	25,279	25,376	25,452	25,516	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	13,226	Other industry
236,704	239,866	242,230	241,440	239,917	238,894	235,495	231,534	230,131	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	124,881	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	90,605	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	14,644	Manufacture of other components for electronic applications
66,536	65,347	66,748	66,616	67,609	67,464	67,223	67,423	67,910	Manufacture of computers and peripheral equipment
24,800	25,823	26,052	26,415	26,371	26,319	26,117	25,981	26,073	Manufacture of communication equipment
33,943	35,963	37,718	37,026	36,514	36,292	35,644	35,535	35,649	Manufacture of consumer electronics
31,626	30,844	31,578	31,500	31,655	31,691	31,823	31,940	32,011	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	24,815	Manufacture of industrial process control
6,816	6,747	7,031	7,013	7,056	7,049	7,059	7,076	7,196	Manufacture of watches and clocks and parts
11,988	12,457	12,862	12,773	12,725	12,708	12,273	12,234	12,236	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	2023	
				Q1	Q2
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,818	5,915	5,980	5,853
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,502	43,800	44,617	43,394
	27101 Pembuatan motor elektrik, penjana dan transformer	18,608	18,737	18,928	18,215
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,894	25,064	25,689	25,179
272/ 27200	Pembuatan bateri dan akumulator	8,687	8,671	8,624	8,589
273	Pembuatan pendawaian dan peranti pendawaian	24,074	23,530	24,299	23,545
	27310 Pembuatan kabel gentian optikal	926	969	949	975
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,825	20,980	21,892	21,073
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,323	1,581	1,459	1,496
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,656	3,934	3,624	3,555
275/ 27500	Pembuatan perkakasan domestik	14,844	14,766	15,597	15,738
279/ 27900	Pembuatan kelengkapan elektrik lain	7,818	7,709	7,873	7,726
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,289	93,994	97,105	98,507
	28120 Pembuatan alat-alat kuasa bendalir				
	&				
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	7,548	6,346	7,916	7,978
	28180 Pembuatan alatan tangan yang menggunakan kuasa				
	&				
	dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,093	22,759	22,879	23,370
	28220 Pembuatan jentera pembentukan logam dan alatan mesin				
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,104	8,842	10,320	9,918
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	9,303	8,427	9,516	9,741
	Industri lain	47,242	47,621	46,473	47,499
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,340	25,665	24,538	24,742
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,336	8,712	7,572	7,608
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,158	53,237	54,927	54,735
301 (30110 & 30120)	Pembinaan kapal dan bot	13,936	15,257	14,201	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.	29,491	29,049	30,053	29,372
	30910 Pembuatan motosikal	11,782	12,956	12,510	11,955
	30920 Pembuatan basikal dan <i>invalid carriages</i>	3,464	1,579	3,241	3,048
	Industri lain	14,244	14,514	14,302	14,368
310	Pembuatan perabot	77,294	81,979	79,337	80,585
	31001 Pembuatan perabot kayu dan rotan	59,201	62,863	60,595	61,797
	Industri lain	18,092	19,116	18,742	18,787
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,577	5,665	6,107	5,818
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,237	28,203	27,190	27,092
	32901 Pembuatan alat tulis	6,191	6,097	6,062	5,971
	Industri lain	21,046	22,107	21,129	21,121
323/ 32300	Pembuatan barangan sukan	2,723	2,108	2,585	2,583
324/ 32400	Pembuatan permainan dan mainan	5,251	4,999	5,052	4,999
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	42,314	43,843	43,583	43,593
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,891	7,256	7,280	7,339
	Industri lain	35,423	36,587	36,302	36,254
Jumlah Pembuatan		2,335,435	2,374,557	2,351,269	2,345,574

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mar)	(Jan. - Mar)	
6,236	5,915	5,855	5,980	5,855	Manufacture of optical instruments, photographic equipment, magnetic and optical media
44,787	43,800	43,055	44,617	43,055	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
19,102	18,737	18,827	18,928	18,827	Manufacture of electric motors, generators and transformers
25,685	25,064	24,229	25,689	24,229	Manufacture of electricity distribution and control apparatus
8,939	8,671	8,775	8,624	8,775	Manufacture of batteries and accumulators
24,010	23,530	23,981	24,299	23,981	Manufacture of wiring and wiring devices
962	969	968	949	968	Manufacture of fibre optic cables
21,463	20,980	21,442	21,892	21,442	Manufacture of other electronic and electric wires and cables
1,585	1,581	1,571	1,459	1,571	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,908	3,934	4,007	3,624	4,007	Manufacture of electric lighting equipment
15,024	14,766	15,468	15,597	15,468	Manufacture of domestic appliances
7,785	7,709	7,630	7,873	7,630	Manufacture of other electrical equipment
95,536	93,994	94,976	97,105	94,976	Manufacture of general-purpose and special-purpose machinery
7,314	6,346	5,958	7,916	5,958	Manufacture of fluid power equipment
					Manufacture of other pumps, compressors, taps and valves
22,743	22,759	22,920	22,879	22,920	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
					Manufacture of metal-forming machinery and machine tools
9,058	8,842	9,010	10,320	9,010	Manufacture of air-conditioning machines, including for motor vehicles
8,443	8,427	8,529	9,516	8,529	Manufacture of other special-purpose machinery n.e.c.
47,977	47,621	48,558	46,473	48,558	Other industry
25,777	25,665	24,734	24,538	24,734	Manufacture of motor vehicles
8,612	8,712	8,387	7,572	8,387	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
53,178	53,237	51,853	54,927	51,853	Manufacture of parts and accessories for motor vehicles
15,054	15,257	15,150	14,201	15,150	Building of ships and boats
28,999	29,049	29,451	30,053	29,451	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
12,904	12,956	13,186	12,510	13,186	Manufacture of motorcycles
1,749	1,579	1,485	3,241	1,485	Manufacture of bicycles and invalid carriages
14,346	14,514	14,780	14,302	14,780	Other industry
81,400	81,979	83,395	79,337	83,395	Manufacture of furniture
62,840	62,863	63,535	60,595	63,535	Manufacture of wooden and cane furniture
18,561	19,116	19,861	18,742	19,861	Other industry
5,597	5,665	5,726	6,107	5,726	Manufacture of jewellery, bijouterie and related articles
28,430	28,203	28,288	27,190	28,288	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,269	6,097	5,999	6,062	5,999	Manufacture of stationery
22,162	22,107	22,289	21,129	22,289	Other industry
2,149	2,108	2,351	2,585	2,351	Manufacture of sports goods
5,026	4,999	4,963	5,052	4,963	Manufacture of games and toys
43,616	43,843	44,429	43,583	44,429	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,324	7,256	7,560	7,280	7,560	Repair and maintenance of transport equipment except motorcycles and bicycles
36,292	36,587	36,869	36,302	36,869	Other industry
2,372,752	2,374,557	2,363,344	2,351,269	2,363,344	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.	Mac	
5,800	6,165	6,236	6,186	5,937	5,915	5,678	5,718	5,855	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	43,055	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	18,827	Manufacture of electric motors, generators and
25,627	25,859	25,685	25,525	25,325	25,064	25,099	24,390	24,229	Manufacture of electricity distribution and control
8,534	8,674	8,939	8,998	8,653	8,671	8,677	8,792	8,775	Manufacture of batteries and accumulators
23,357	23,815	24,010	23,909	23,779	23,530	23,984	23,927	23,981	Manufacture of wiring and wiring devices
960	955	962	988	992	969	969	965	968	Manufacture of fibre optic cables
20,962	21,334	21,463	21,330	21,211	20,980	21,421	21,374	21,442	Manufacture of other electronic and electric wires
1,435	1,526	1,585	1,590	1,576	1,581	1,594	1,588	1,571	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	4,007	Manufacture of electric lighting equipment
15,447	15,692	15,024	14,961	14,881	14,766	14,858	14,697	15,468	Manufacture of domestic appliances
7,800	7,964	7,785	7,739	7,676	7,709	7,734	7,657	7,630	Manufacture of other electrical equipment
96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978	94,976	Manufacture of general-purpose and special-purpose machinery
									Manufacture of fluid power equipment
7,893	7,373	7,314	7,378	7,334	6,346	5,997	5,992	5,958	Manufacture of other pumps, compressors, taps and valves
22,959	22,665	22,743	22,710	22,769	22,759	23,198	23,887	22,920	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
8,977	8,938	9,058	8,974	8,896	8,842	9,034	9,039	9,010	Manufacture of metal-forming machinery and machine tools
9,791	8,673	8,443	8,445	8,418	8,427	8,450	8,489	8,529	Manufacture of air-conditioning machines, including for motor vehicles
46,385	48,397	47,977	47,825	48,053	47,621	48,070	48,571	48,558	Manufacture of other special-purpose machinery
									Other industry
25,324	25,689	25,777	25,917	25,904	25,665	25,698	25,619	24,734	Manufacture of motor vehicles
7,726	8,581	8,612	8,662	8,618	8,712	8,550	8,469	8,387	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-
54,809	53,205	53,178	53,183	53,069	53,237	53,768	53,222	51,853	Manufacture of parts and accessories for motor vehicles
14,709	14,826	15,054	14,933	15,177	15,257	15,401	15,387	15,150	Building of ships and boats
29,691	28,994	28,999	29,105	28,979	29,049	29,327	29,205	29,451	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport
12,748	12,489	12,904	13,083	13,033	12,956	12,902	12,857	13,186	Manufacture of motorcycles
2,633	1,969	1,749	1,634	1,584	1,579	1,543	1,512	1,485	Manufacture of bicycles and invalid carriages
14,309	14,536	14,346	14,388	14,362	14,514	14,882	14,837	14,780	Other industry
80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028	83,395	Manufacture of furniture
61,612	62,751	62,840	63,551	62,918	62,863	62,863	63,139	63,535	Manufacture of wooden and cane furniture
18,659	18,141	18,561	18,994	19,011	19,116	19,775	19,889	19,861	Other industry
5,567	5,485	5,597	5,620	5,669	5,665	5,692	5,546	5,726	Manufacture of jewellery, bijouterie and related articles
28,373	28,404	28,430	28,497	28,454	28,203	28,053	28,306	28,288	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,038	6,239	6,269	6,257	6,115	6,097	5,979	6,015	5,999	Manufacture of stationery
22,335	22,165	22,162	22,240	22,339	22,107	22,074	22,291	22,289	Other industry
2,581	2,172	2,149	2,124	2,172	2,108	2,156	2,162	2,351	Manufacture of sports goods
4,549	5,005	5,026	5,095	5,022	4,999	4,933	4,967	4,963	Manufacture of games and toys
44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254	44,429	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,271	7,395	7,324	7,183	7,245	7,256	7,476	7,516	7,560	Repair and maintenance of transport equipment except motorcycles and bicycles
36,855	36,689	36,292	36,662	36,354	36,587	36,983	36,739	36,869	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	2,363,344	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)
101	Pemprosesan dan pengawetan daging	4.9	7.8	6.3	9.5	10.3	7.8	8.1	6.3	8.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.3	3.5	9.1	6.0	5.3	3.5	1.3	9.1	1.3
	10201 Pengetinan ikan, krustasea dan moluska									
	&									
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6.4	2.2	9.5	6.3	4.8	2.2	-0.5	9.5	-0.5
	Industri lain	-0.4	10.7	6.7	4.6	7.5	10.7	11.3	6.7	11.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-2.1	1.7	2.2	6.0	4.0	1.7	2.4	2.2	2.4
	10303 Pengetinan nanas									
	&									
	10304 Pembuatan jem, marmalad dan sajian jeli	12.4	-8.1	17.0	5.4	7.4	-8.1	2.7	17.0	2.7
	Industri lain	-3.0	2.3	1.5	6.1	3.8	2.3	2.4	1.5	2.4
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.0	6.7	6.9	7.0	8.9	6.7	4.5	6.9	4.5
	10404 Pembuatan minyak sayuran mentah dan bertapis									
	&									
	10406 Pembuatan sebatian lemak masakan	5.7	10.5	9.9	8.3	16.3	10.5	11.6	9.9	11.6
	10405 Pembuatan minyak kelapa	4.9	3.5	3.5	1.3	3.7	3.5	4.4	3.5	4.4
	Industri lain	6.0	6.6	6.9	7.2	8.7	6.6	4.1	6.9	4.1
105	Pembuatan produk tenusu	1.1	4.2	2.5	-0.1	4.4	4.2	5.8	2.5	5.8
	10502 Pembuatan susu pekat, tepung dan sejat	-1.1	1.9	1.3	-0.9	3.2	1.9	5.4	1.3	5.4
	Industri lain	7.3	10.1	5.9	2.0	7.7	10.1	7.0	5.9	7.0
106	Pembuatan produk bijian, kanji dan produk berkanji	3.6	3.0	4.3	4.3	4.1	3.0	-0.1	4.3	-0.1
	10611 Pengilangan beras	9.5	1.8	8.5	6.8	2.9	1.8	0.3	8.5	0.3
	10613 Pengilangan tepung	0.7	6.1	2.8	4.1	7.7	6.1	-0.4	2.8	-0.4
	Industri lain	-9.5	-5.5	-9.4	-7.6	-6.7	-5.5	-1.6	-9.4	-1.6
107	Pembuatan produk makanan lain	5.6	8.9	4.6	5.7	9.8	8.9	7.0	4.6	7.0
	10711 Pembuatan biskut dan cookies	1.0	2.8	2.1	0.6	1.6	2.8	-2.2	2.1	-2.2
	10712 Pembuatan roti, kek dan produk bakeri lain	3.5	8.0	8.7	9.6	11.5	8.0	5.6	8.7	5.6
	10713 Pembuatan produk snek	5.0	8.8	5.3	4.9	7.9	8.8	8.2	5.3	8.2
	10721 Pembuatan gula	-1.2	5.3	-0.5	2.7	7.2	5.3	3.9	-0.5	3.9
	10731 Pembuatan produk koko	-0.5	3.2	-2.2	1.1	-0.5	3.2	1.8	-2.2	1.8
	10732 Pembuatan coklat dan produk coklat									
	&									
	10733 Pembuatan konfeksi gula	-2.1	9.8	-0.1	-1.7	3.7	9.8	9.5	-0.1	9.5
	10793 Pembuatan sos dan bahan perasa	15.5	16.4	10.0	8.8	17.7	16.4	16.8	10.0	16.8
	10799 Pembuatan produk makanan lain t.t.t.l.	10.7	20.0	-7.4	4.0	16.9	20.0	20.2	-7.4	20.2
	Industri lain	7.3	5.6	7.9	6.7	8.8	5.6	3.1	7.9	3.1
108/ 10800	Pembuatan makanan haiwan tersedia	4.6	-12.2	5.3	-1.8	-7.6	-12.2	-10.6	5.3	-10.6
110	Pembuatan minuman ringan	2.6	2.6	2.9	3.8	2.8	2.6	2.1	2.9	2.1
	11041 Pembuatan minuman ringan	3.1	0.9	1.7	2.7	0.9	0.9	1.3	1.7	1.3
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-1.8	4.8	4.9	4.8	5.5	4.8	1.2	4.9	1.2
	Industri lain	10.6	8.1	5.2	8.2	8.7	8.1	9.3	5.2	9.3
120/ 12000	Pembuatan produk tembakau	2.8	2.2	2.4	7.1	6.1	2.2	-8.0	2.4	-8.0
131	Pemintalan, penenunan dan penyiapan tekstil	-1.8	1.2	0.5	2.8	2.6	1.2	1.5	0.5	1.5
	13110 Penyediaan dan pemintalan gentian tekstil									
	&									
	13120 Penenunan tekstil	-3.6	3.2	1.2	4.2	6.6	3.2	3.7	1.2	3.7
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-4.5	-1.6	-0.8	-7.2	-4.5	-3.3	-1.6	-3.3
	Industri lain	-5.0	8.6	3.7	6.9	7.5	8.6	-4.5	3.7	-4.5
139	Pembuatan tekstil lain	2.5	1.9	3.2	2.4	2.5	1.9	0.1	3.2	0.1
	13910 Pembuatan fabrik dikait dan dikrusye	-1.9	-4.5	-4.8	-5.1	-6.1	-4.5	-3.8	-4.8	-3.8
	Industri lain	5.6	6.0	8.8	7.4	8.2	6.0	2.4	8.8	2.4
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	2.6	1.8	3.1	3.0	2.6	3.5	1.8	3.5
	14102 Pembuatan pakaian	2.9	2.6	3.2	2.8	2.3	2.6	4.3	3.2	4.3
	Industri lain	1.9	2.6	-1.9	4.0	4.9	2.6	1.3	-1.9	1.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.6	8.5	6.7	5.4	10.3	8.5	0.9	6.7	0.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-4.4	-0.6	-0.3	0.8	1.2	-0.6	-5.8	-0.3	-5.8
152	Pembuatan kasut	8.8	5.3	9.9	7.6	5.7	5.3	3.3	9.9	3.3
	15201 Pembuatan kasut kulit									
	&									
	15203 Pembuatan kasut getah	10.3	-0.8	7.4	1.4	-0.02	-0.8	-0.8	7.4	-0.8
	Industri lain	6.9	12.9	13.0	15.2	12.8	12.9	8.1	13.0	8.1
161/ 16100	Pengilangan dan pengetaman kayu	-1.9	-2.6	-1.7	-2.4	-3.6	-2.6	-3.8	-1.7	-3.8

2023											2024					Group Description/Period				
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar						
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	8.1	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	1.3	Processing and preserving of fish, crustaceans and molluscs Canning 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	-0.5	Processing, curing and preserving of fish, crustacean 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	11.3	Other industry					
-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	2.4	Processing and preserving of fruits and vegetable Pineapple canning					
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	2.7	Manufacture of jams, marmalades and table jellies					
-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	2.4	Other industry					
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	4.5	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil					
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	11.6	Manufacture of compound cooking fats					
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	4.4	Manufacture of coconut oil					
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	4.1	Other industry					
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	5.8	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	5.4	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	7.0	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	-0.1	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	0.3	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	-0.4	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	-1.6	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	7.0	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	-2.2	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	5.6	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	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	3.9	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	1.8	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	9.5	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	16.8	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	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	3.1	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	-10.6	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	2.1	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	1.3	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	1.2	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	9.3	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	-8.0	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	1.5	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	3.7	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	-3.3	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	-4.5	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	0.1	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	-3.8	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	2.4	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	3.5	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	4.3	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	1.3	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	0.9	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	-5.8	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	3.3	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	-0.8	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	8.1	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	-3.8	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	-3.8	Sawmilling and planning of wood					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Mac)	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.6	1.2	3.0	1.4	1.5	1.2	0.05	3.0	0.05
16211	Pembuatan kepingan venier dan papan lapis	1.7	3.1	2.6	1.3	2.3	3.1	1.0	2.6	1.0
16212	Pembuatan papan partikel dan papan gentian	-4.9	8.4	-7.7	-4.3	6.6	8.4	10.4	-7.7	10.4
16221	Pertukangan kayu untuk jurubina	-3.4	-10.9	6.5	4.1	-4.0	-10.9	-9.5	6.5	-9.5
	Industri lain	9.3	2.3	7.1	2.6	0.5	2.3	0.0	7.1	0.0
170	Pembuatan kertas dan produk kertas	4.3	1.0	4.1	1.8	1.7	1.0	0.9	4.1	0.9
17010	Pembuatan pulpa, kertas dan kertas tebal	5.3	-2.4	7.1	-3.2	-3.0	-2.4	-0.4	7.1	-0.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.9	-1.4	5.4	3.6	0.5	-1.4	-2.0	5.4	-2.0
17091	Pembuatan sampul surat dan kad surat	-0.3	4.1	4.4	1.7	0.1	4.1	-4.1	4.4	-4.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.4	5.1	-1.7	-1.6	4.5	5.1	6.0	-1.7	6.0
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.0	0.0	4.3	4.4	2.0	0.0	0.2	4.3	0.2
	Industri lain	6.0	9.8	5.0	5.5	8.2	9.8	8.1	5.0	8.1
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.0	1.7	3.9	4.6	5.3	1.7	-2.8	3.9	-2.8
18110	Percetakan	4.7	2.3	4.5	5.5	6.3	2.3	-2.5	4.5	-2.5
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	0.9	-1.2	1.4	0.7	1.0	-1.2	-3.7	1.4	-3.7
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.2	3.7	4.3	5.1	3.1	3.7	1.8	4.3	1.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.8	0.3	3.5	3.1	0.1	0.3	-0.7	3.5	-0.7
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.6	9.1	13.2	9.0	10.0	9.1	8.0	13.2	8.0
20112 & 20113	Pembuatan kimia organik asas	8.5	-1.9	9.4	7.6	2.5	-1.9	-2.4	9.4	-2.4
20121 & 20129	Pembuatan sebatian bukan organik	-16.2	-5.9	-12.5	-8.6	-16.7	-5.9	-11.4	-12.5	-11.4
20131	Pembuatan produk campuran nitrogen	1.2	2.1	0.2	1.0	2.4	2.1	3.8	0.2	3.8
	Pembuatan plastik dalam bentuk primer	13.0	6.6	14.1	5.7	6.9	6.6	4.7	14.1	4.7
	Industri lain									
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.3	-2.6	1.2	0.1	0.2	-2.6	-3.0	1.2	-3.0
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.3	13.8	7.5	6.2	14.9	13.8	9.0	7.5	9.0
20221	Pembuatan cat, varnis dan penyadur dan mastik	-0.3	1.4	-11.2	4.0	2.7	1.4	1.7	-11.2	1.7
20222	Pembuatan dakwat cetak	15.2	4.7	3.6	6.0	4.0	4.7	1.7	3.6	1.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	5.7	-7.7	4.4	-5.0	-5.3	-7.7	-6.7	4.4	-6.7
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri									
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	3.3	-4.0	3.4	1.0	2.0	-4.0	-5.0	3.4	-5.0
20299	Pembuatan dakwat menulis dan melukis									
	Pembuatan produk kimia lain t.t.t.l.									
	Industri lain	-11.4	-32.2	-4.0	-6.1	-36.1	-32.2	-36.1	-4.0	-36.1
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.9	2.3	8.5	-0.3	1.6	2.3	1.6	8.5	1.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	7.0	1.1	6.1	0.1	1.5	1.1	-0.03	6.1	-0.03
	Industri lain	13.8	5.4	14.4	-1.2	2.0	5.4	5.4	14.4	5.4
221	Pembuatan produk getah	-0.2	-4.0	-2.7	-9.2	-6.0	-4.0	-5.0	-2.7	-5.0
22111	Pembuatan tayar getah untuk kenderaan	-6.1	2.6	-6.3	-6.3	3.0	2.6	0.3	-6.3	0.3
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.6	12.0	12.2	14.2	14.0	12.0	9.7	12.2	9.7
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.8	4.4	12.5	13.2	7.0	4.4	1.2	12.5	1.2
2024	Pengilangan semula getah dan prosesan susu getah									
22192	Pembuatan sarung tangan getah	-1.1	-9.0	-8.5	-18.7	-14.0	-9.0	-8.5	-8.5	-8.5
22199	Pembuatan produk getah lain yang t.t.t.l.	-0.4	-1.5	0.9	-3.2	0.1	-1.5	-4.3	0.9	-4.3
222	Pembuatan produk plastik	3.3	3.3	2.5	2.6	2.9	3.3	2.6	2.5	2.6
22201	Pembuatan produk plastik separa siap									
22202	Pembuatan produk plastik siap	11.4	1.6	3.8	2.4	2.7	1.6	1.2	3.8	1.2
22203	Pembuatan artikel plastik untuk pembungkusan barangan	4.0	5.8	4.3	4.7	6.5	5.8	4.7	4.3	4.7
22204	Pembuatan barangan plastik jurubina	9.3	0.3	2.6	3.7	3.1	0.3	0.01	2.6	0.01
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	9.4	0.7	-1.4	-5.4	-6.2	0.7	-0.2	-1.4	-0.2
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-4.1	3.0	1.0	3.1	2.2	3.0	2.4	1.0	2.4
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	11.3	-1.0	11.3	5.5	2.6	-1.0	0.3	11.3	0.3

2023											2024					Group Description/Period				
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac						
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	0.05	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	1.0	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	10.4	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	-9.5	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	0.0	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	0.9	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	-0.4	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	-2.0	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	-4.1	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	6.0	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	0.2	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	8.1	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	-2.8	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	-2.5	Printing					
															Service activities related to 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	-3.7	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	1.8	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	-0.7	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	8.0	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	-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	-11.4	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	3.8	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	4.7	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	-3.0	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	9.0	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	1.7	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	1.7	Manufacture of printing ink					
															Manufacture of soap and detergents, cleaning and polishing preparations					
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	-6.7	Manufacture of perfumes and toilet preparations					
															Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials					
4.1	3.5	3.4	1.2	2.2	1.0	3.9	1.9	2.0	2.3	-0.8	-4.0	-4.2	-4.2	-5.0	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	-36.1	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	1.6	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	-0.03	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	5.4	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	-5.0	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	0.3	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	9.7	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	1.2	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	-8.5	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	-4.3	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	2.6	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	1.2	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	4.7	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	0.01	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	-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	2.4	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	0.3	Manufacture of glass and glass products					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Mac)	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.5	2.5	-2.0	0.04	2.1	2.5	0.1	-2.0	0.1
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-6.6	-8.1	-6.4	-5.2	-4.0	-8.1	-9.3	-6.4	-9.3
23930	Pembuatan produk porselin dan seramik lain	2.9	-14.9	-12.6	-11.8	-14.2	-14.9	-1.5	-12.6	-1.5
23941	Pembuatan simen hidrolik	-4.7	1.0	-6.6	-9.9	0.7	1.0	0.02	-6.6	0.02
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.3	1.5	1.7	-0.8	1.8	1.5	2.2	1.7	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 Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	-0.9	4.1	0.7	6.2	5.1	4.1	-4.8	0.7	-4.8
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.8	12.4	-5.1	0.3	6.6	12.4	13.6	-5.1	13.6
	Industri lain	1.0	14.8	1.8	2.5	6.7	14.8	13.3	1.8	13.3
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	0.4	5.3	1.7	1.6	4.9	5.3	7.0	1.7	7.0
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.6	-5.9	-0.4	-0.3	-4.8	-5.9	-7.1	-0.4	-7.1
243	Pengacuan logam	-2.8	1.6	-2.4	0.1	1.8	1.6	-0.7	-2.4	-0.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.8	1.4	1.1	1.3	2.2	1.4	1.7	1.1	1.7
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-0.2	4.6	-0.9	0.2	6.0	4.6	5.2	-0.9	5.2
25120	Pembuatan produk struktur logam lain									
	Pembuatan tangki, takungan dan kontena daripada logam	4.6	-8.3	6.2	3.4	-8.7	-8.3	-7.5	6.2	-7.5
	Industri lain	0.5	-0.7	4.3	3.6	-0.5	-0.7	-2.2	4.3	-2.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	5.4	2.1	2.2	5.2	5.4	4.6	2.1	4.6
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	1.5	-0.3	-1.1	-5.8	-2.0	-0.3	-0.8	-1.1	-0.8
25920	Rawatan dan penyalutan logam; menggunakan mesin	5.8	-9.7	4.8	6.8	-6.9	-9.7	-11.4	4.8	-11.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.9	6.1	0.5	-1.6	7.5	6.1	8.2	0.5	8.2
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	0.3	8.3	1.8	3.2	6.6	8.3	9.7	1.8	9.7
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya									
25994	Pembuatan barangan rumah daripada logam	-0.8	14.1	1.8	5.2	11.8	14.1	5.5	1.8	5.5
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.4	7.9	3.5	5.2	10.1	7.9	7.3	3.5	7.3
	Industri lain	-0.3	21.8	3.8	7.1	18.7	21.8	17.8	3.8	17.8
261	Pembuatan komponen dan papan elektronik	7.4	1.9	6.5	7.1	4.8	1.9	-2.5	6.5	-2.5
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	6.7	0.9	5.1	4.1	2.2	0.9	-2.2	5.1	-2.2
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro									
26103 & 26104	Pembuatan kapasitor dan perintang elektrik	9.3	3.0	9.5	12.1	8.4	3.0	-3.7	9.5	-3.7
26105	Pembuatan papan litar bercetak									
26109	Pembuatan komponen paparan	1.1	3.0	0.2	2.8	4.7	3.0	2.7	0.2	2.7
26109	Pembuatan komponen lain untuk aplikasi elektronik									
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.8	-3.2	0.3	-1.1	-2.4	-3.2	1.7	0.3	1.7
263/ 26300	Pembuatan peralatan komunikasi	7.8	0.3	6.6	4.7	-0.6	0.3	0.6	6.6	0.6
264/ 26400	Pembuatan peralatan elektronik pengguna	3.9	3.4	0.9	-2.8	5.7	3.4	4.4	0.9	4.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	8.2	-0.1	8.5	7.5	2.0	-0.1	-0.4	8.5	-0.4
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	8.8	0.2	10.0	10.8	3.1	0.2	-0.4	10.0	-0.4
26520	Pembuatan kelengkapan kawalan proses perindustrian									
	Pembuatan jam tangan dan jam dan bahagiannya	6.0	-1.1	3.4	-3.1	-1.5	-1.1	-0.5	3.4	-0.5
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	1.5	-3.1	1.8	1.4	-2.1	-3.1	-6.3	1.8	-6.3

2023												2024			Group Description/Period		
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar			
-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	0.1	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	-9.3	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	-1.5	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	0.02	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	2.2	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	-4.8	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone		
															Manufacture of other articles of concrete, cement and plaster n.e.c.		
-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	13.6	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	13.3	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	7.0	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	-7.1	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	-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	1.7	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	5.2	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	-7.5	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	-2.2	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	4.6	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	-0.8	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	-11.4	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	8.2	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	9.7	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	5.5	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	7.3	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	17.8	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	-2.5	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	-2.2	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	-3.7	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	2.7	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	1.7	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	0.6	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	4.4	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	-0.4	Manufacture of measuring, testing, navigating and control equipment; watches and clocks		
															Manufacture of measuring, testing, navigating and control equipment		
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	-0.4	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	-0.5	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	-6.3	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	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Mac)	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.4	1.7	6.0	-1.4	3.9	1.7	-2.1	6.0	-2.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.8	-1.6	3.2	2.4	0.8	-1.6	-3.5	3.2	-3.5
27101	Pembuatan motor elektrik, penjana dan transformer	-2.3	0.7	-1.0	-2.1	1.3	0.7	-0.5	-1.0	-0.5
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	6.8	-3.2	6.6	5.9	0.5	-3.2	-5.7	6.6	-5.7
272/ 27200	Pembuatan bateri dan akumulator	8.3	-0.2	1.6	3.3	1.0	-0.2	1.8	1.6	1.8
273	Pembuatan pendawaian dan peranti pendawaian	-0.4	-2.3	1.6	-3.2	-1.1	-2.3	-1.3	1.6	-1.3
27310	Pembuatan kabel gentian optikal	4.4	4.6	1.3	1.0	-6.2	4.6	2.0	1.3	2.0
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1.2	-3.9	3.2	-2.5	-0.2	-3.9	-2.1	3.2	-2.1
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-23.7	19.5	-17.8	-14.5	-9.5	19.5	7.7	-17.8	7.7
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.0	7.6	-0.5	-6.2	-3.4	7.6	10.6	-0.5	10.6
275/ 27500	Pembuatan perkakasan domestik	-3.1	-0.5	-1.2	1.2	0.4	-0.5	-0.8	-1.2	-0.8
279/ 27900	Pembuatan kelengkapan elektrik lain	3.1	-1.4	1.9	-1.1	1.3	-1.4	-3.1	1.9	-3.1
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.6	-2.4	3.8	2.3	-0.1	-2.4	-2.2	3.8	-2.2
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-1.0	-15.9	2.1	5.5	-2.2	-15.9	-24.7	2.1	-24.7
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.1	3.0	0.7	2.3	1.7	3.0	0.2	0.7	0.2
28192	Pembuatan jentera pembentukan logam dan alatan mesin									
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	15.3	-12.5	9.4	6.7	-6.3	-12.5	-12.7	9.4	-12.7
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-2.8	-9.4	-3.9	-1.2	-9.0	-9.4	-10.4	-3.9	-10.4
		6.3	0.8	6.1	1.7	2.5	0.8	4.5	6.1	4.5
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.5	1.3	0.4	0.6	2.2	1.3	0.8	0.4	0.8
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	12.8	18.8	13.5	10.2	21.7	18.8	10.8	13.5	10.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	-1.7	1.9	0.8	-1.5	-1.7	-5.6	1.9	-5.6
301 (30110 & 30120)	Pembinaan kapal dan bot	8.5	9.5	7.2	8.4	10.0	9.5	6.7	7.2	6.7
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.	2.6	-1.5	-0.1	-1.1	-3.4	-1.5	-2.0	-0.1	-2.0
30910	Pembuatan motosikal	3.4	10.0	4.6	3.3	9.2	10.0	5.4	4.6	5.4
30920	Pembuatan basikal dan <i>invalid carriages</i>	7.5	-54.4	-5.5	-14.2	-51.0	-54.4	-54.2	-5.5	-54.2
	Industri lain	0.8	1.9	-2.6	-1.4	-2.0	1.9	3.3	-2.6	3.3
310	Pembuatan perabot	0.6	6.1	0.5	1.0	3.0	6.1	5.1	0.5	5.1
31001	Pembuatan perabot kayu dan rotan	0.6	6.2	-0.3	0.1	3.2	6.2	4.9	-0.3	4.9
	Industri lain	0.5	5.7	3.1	3.9	2.6	5.7	6.0	3.1	6.0
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	3.3	1.6	14.5	10.2	4.1	1.6	-6.2	14.5	-6.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.6	3.5	2.1	0.9	4.4	3.5	4.0	2.1	4.0
32901	Pembuatan alat tulis	-2.2	-1.5	-1.2	-2.9	-0.2	-1.5	-1.0	-1.2	-1.0
	Industri lain	5.4	5.0	3.1	2.0	5.7	5.0	5.5	3.1	5.5
323/ 32300	Pembuatan barangan sukan	2.1	-22.6	-1.1	-0.9	-18.6	-22.6	-9.1	-1.1	-9.1
324/ 32400	Pembuatan permainan dan mainan	8.2	-4.8	2.3	-0.8	-7.6	-4.8	-1.7	2.3	-1.7
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.1	3.6	1.7	1.3	4.2	3.6	1.9	1.7	1.9
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.5	5.3	9.2	8.9	10.6	5.3	3.8	9.2	3.8
	Industri lain	1.6	3.3	0.3	-0.1	3.0	3.3	1.6	0.3	1.6
Jumlah Pembuatan		3.4	1.7	2.8	2.1	2.4	1.7	0.5	2.8	0.5

2023												2024				Group Description/Period		
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.				
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	-2.1	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	-3.5	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	-0.5	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	-5.7	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	1.8	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	-1.3	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	2.0	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	-2.1	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	7.7	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	10.6	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	-0.8	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	-3.1	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	-2.2	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	-24.7	Manufacture of fluid power equipment			
-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	0.2	Manufacture of other pumps, compressors, taps and valves			
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	-12.7	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives			
-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	-10.4	Manufacture of metal-forming machinery and machine tools			
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	4.5	Manufacture of air-conditioning machines, including for motor vehicles			
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	0.8	Manufacture of other special-purpose machinery			
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	10.8	Other industry			
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	-5.6	Manufacture of 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	6.7	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers			
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	-2.0	Manufacture of parts and accessories for motor vehicles			
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	5.4	Building of ships and boats			
-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	-54.2	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c			
-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	3.3	Manufacture of motorcycles			
0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1	Manufacture of bicycles and invalid carriages			
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	4.9	Other industry			
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	6.0	Manufacture of furniture			
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	-6.2	Manufacture of wooden and cane furniture			
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	4.0	Other industry			
-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	-1.0	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.			
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	5.5	Manufacture of stationery			
-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	-9.1	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	-1.7	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	1.9	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	3.8	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	1.6	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	0.5	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	2023				2024	2023					
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei	
101	Pemprosesan dan pengawetan daging	1.8	3.3	3.9	-1.3	2.1	2.9	-0.3	-0.8	3.4	0.2	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-0.3	0.5	-0.4	1.6	1.7	2.6	-0.6	-0.5	0.2	
	10201 Pengetinan ikan, krustasea dan moluska	3.8	-1.0	-0.1	-0.5	1.1	1.7	2.7	-0.6	-0.7	0.3	
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska											
	Industri lain	3.5	3.5	3.6	-0.2	4.1	2.0	2.0	-0.5	0.8	0.02	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.8	2.8	-3.3	-3.3	6.5	3.5	2.3	-0.2	0.5	2.8	
	10303 Pengetinan nanas											
	10304 Pembuatan jem, marmalad dan sajian jeli	-8.3	-1.5	1.8	-0.02	2.4	-8.9	0.4	0.2	-0.4	0.6	
	Industri lain	6.7	3.1	-3.6	-3.5	6.8	4.3	2.5	-0.2	0.6	2.9	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.4	0.3	4.4	0.4	-0.7	0.7	0.9	-0.2	-0.6	0.3	
	10404 Pembuatan minyak sayuran mentah dan bertapis											
	10406 Pembuatan sebatian lemak masakan	1.8	0.4	7.8	0.3	2.8	0.9	0.2	0.7	-0.6	0.4	
	10405 Pembuatan minyak kelapa	0.6	0.0	3.0	-0.1	1.4	0.3	0.0	0.3	-0.1	0.1	
	Industri lain	1.4	0.3	4.3	0.5	-0.9	0.7	1.0	-0.2	-0.6	0.3	
105	Pembuatan produk tenusu	0.3	-0.6	3.6	0.8	1.9	0.5	-0.2	0.03	0.5	-1.4	
	10502 Pembuatan susu pekat, tepung dan sejat	0.04	-1.21	2.82	0.3	3.4	0.4	-0.2	-0.2	1.6	-2.6	
	Industri lain	1.1	0.8	5.6	2.3	-1.7	0.7	-0.1	0.6	-2.3	2.0	
106	Pembuatan produk bijian, kanji dan produk berkanji	1.3	-0.7	2.2	0.3	-1.8	0.5	1.5	-0.7	-1.0	0.5	
	10611 Pengilangan beras	2.1	-2.2	1.7	0.2	0.7	0.9	1.9	-0.7	-1.8	0.6	
	10613 Pengilangan tepung	1.8	0.7	3.1	0.4	-4.4	0.1	2.3	-0.5	-0.3	0.4	
	Industri lain	-6.1	0.2	0.5	-0.2	-2.2	0.3	-4.6	-1.8	0.2	0.7	
107	Pembuatan produk makanan lain	2.0	0.8	4.9	1.0	0.2	1.8	0.6	-0.4	0.9	0.2	
	10711 Pembuatan biskut dan cookies	1.8	-1.0	1.6	0.4	-3.1	2.3	1.5	-2.0	-0.5	-0.1	
	10712 Pembuatan roti, kek dan produk bakeri lain	1.7	1.3	3.8	1.1	-0.6	0.9	0.3	0.5	1.5	-0.4	
	10713 Pembuatan produk snek	0.1	1.2	2.7	4.5	-0.4	0.2	0.4	-0.4	0.5	0.8	
	10721 Pembuatan gula	0.9	1.3	5.3	-2.2	-0.4	0.2	0.0	0.8	0.6	1.1	
	10731 Pembuatan produk koko	-1.6	3.6	0.9	0.3	-2.8	0.1	1.1	-2.7	-0.1	2.9	
	10732 Pembuatan coklat dan produk coklat											
	10733 Pembuatan konfeksi gula	0.8	0.4	7.7	0.8	0.6	3.3	-1.9	-0.5	0.8	-0.1	
	10793 Pembuatan sos dan bahan perasa	2.9	0.2	6.6	5.8	3.2	2.0	0.1	0.8	0.4	-0.6	
	10799 Pembuatan produk makanan lain t.t.t.l.	2.3	4.4	14.7	-2.1	2.4	3.3	-0.6	-0.4	4.7	1.3	
	Industri lain	2.9	-0.5	2.5	0.6	0.4	1.8	1.8	-0.7	-0.2	0.3	
108/ 10800	Pembuatan makanan haiwan tersedia	0.2	-2.7	-6.1	-4.2	2.1	0.2	0.4	-0.4	-3.1	0.04	
110	Pembuatan minuman ringan	2.4	0.6	-1.6	1.2	1.9	1.3	0.8	0.3	0.4	0.2	
	11041 Pembuatan minuman ringan	1.2	1.0	-2.2	1.0	1.6	-0.05	0.9	0.3	0.6	0.1	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	7.0	-0.6	-1.6	0.2	3.3	5.6	0.1	1.3	0.0	0.3	
	Industri lain	0.03	0.9	2.4	4.6	1.1	-0.2	1.8	-1.6	0.4	0.3	
120/ 12000	Pembuatan produk tembakau	17.5	-13.4	1.4	-0.9	5.7	5.2	11.4	0.3	-12.0	-0.6	
131	Pemintalan, penenunan dan penyiapan tekstil	1.7	-0.5	1.6	-1.6	2.0	1.1	-0.7	1.3	-0.5	1.1	
	13110 Penyediaan dan pemintalan gentian tekstil											
	13120 Penenunan tekstil	2.4	-0.7	3.2	-1.6	2.9	1.2	-1.0	2.2	-0.2	0.3	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-1.9	0.3	-2.5	-0.5	-0.7	-0.3	-0.8	-0.8	-0.4	2.3	
	Industri lain	19.4	-3.5	4.0	-9.3	4.9	11.4	4.0	3.1	-5.3	5.1	
139	Pembuatan tekstil lain	0.2	2.2	0.03	-0.5	-1.6	0.6	-1.0	0.6	1.2	1.3	
	13910 Pembuatan fabrik dikait dan dikrusye	-3.0	0.7	-1.1	-1.1	-2.2	-0.3	-0.3	-2.4	1.3	0.1	
	Industri lain	2.2	3.2	0.7	-0.2	-1.2	1.1	-1.4	2.5	1.1	2.0	
141	Pembuatan pakaian, kecuali pakaian berbulu	0.7	0.2	-2.0	3.7	1.6	0.6	-0.1	0.2	0.2	0.5	
	14102 Pembuatan pakaian	0.6	-0.3	-2.3	4.7	2.2	1.1	-0.9	0.4	-0.2	0.6	
	Industri lain	1.0	1.6	-1.0	0.9	-0.2	-0.7	2.0	-0.2	1.3	0.0	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	8.1	-0.2	2.5	-1.9	0.6	2.5	3.5	1.9	0.0	0.4	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	3.2	-4.7	2.7	-1.6	-2.2	1.7	1.4	0.2	-2.9	0.3	
152	Pembuatan kasut	3.9	1.3	-0.9	0.8	2.0	3.1	2.4	-1.6	-0.3	1.1	
	15201 Pembuatan kasut kulit											
	15203 Pembuatan kasut getah	0.3	-2.5	-0.2	1.6	0.3	3.9	-1.4	-2.1	-1.8	-0.7	
	Industri lain	8.4	5.8	-1.5	-0.03	3.8	2.0	7.3	-1.0	1.5	3.3	
161/ 16100	Pengilangan dan pengetaman kayu	0.5	-2.4	0.04	-0.8	-0.7	2.5	-0.04	-1.9	-1.9	1.6	

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

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

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

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

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

(%)

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
0.7	1.5	0.1	0.9	-0.3	0.8	-0.4	-2.4	-1.7	-0.2	Manufacture of non-metallic mineral products
										Manufacture of refractory mortars and concretes
1.0	-2.3	2.7	-0.8	-1.4	0.6	-0.1	-5.5	-1.9	-0.8	Manufacture of non-refractory ceramic
-0.4	1.5	2.2	-3.3	-1.1	1.0	-1.3	-1.7	-1.7	1.1	Manufacture of other porcelain and ceramic products
-0.4	3.7	-5.2	1.2	-0.2	4.3	-0.1	0.9	-0.3	-3.6	Manufacture of hydraulic cement
-0.3	3.1	0.2	3.2	-0.8	2.4	-1.0	0.2	-6.0	0.5	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	0.3	-0.3	0.3	-0.5	-0.8	-0.6	-6.3	-0.4	0.6	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.
0.5	5.7	-1.7	3.0	2.6	0.8	0.0	1.1	-0.2	-1.4	Manufacture of other non-metallic mineral products n.e.c.
2.2	1.3	4.3	0.4	-0.5	0.9	0.4	2.7	-0.03	-0.1	Other industry
0.2	-0.3	1.5	2.2	1.1	0.4	0.3	0.9	-1.3	1.0	Manufacture of basic iron and steel
-2.2	0.3	-3.1	-0.6	0.3	-1.5	0.1	1.2	-0.7	-0.3	Manufacture of basic precious and other non-ferrous metals
-0.6	-0.1	2.2	0.1	1.0	-2.8	-0.3	2.6	2.0	-0.6	Casting of metals
-1.8	-0.1	1.5	-0.1	-0.6	0.0	2.3	0.2	-0.4	1.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-2.4	0.6	5.5	-1.3	-0.7	-0.6	3.8	-0.4	-0.4	1.5	Manufacture of metal doors, windows and their frames, shutters and gates
-0.6	-0.8	-9.5	4.2	-1.1	1.8	-1.4	1.8	0.2	-0.4	Manufacture of other structural metal products
-0.7	-2.7	-2.9	0.4	0.9	0.4	-0.05	1.2	-1.2	1.7	Manufacture of tanks, reservoirs and containers of metal
-1.0	0.9	1.9	1.3	0.2	-0.3	1.3	1.1	-0.1	0.4	Other industry
-1.7	3.1	3.4	0.8	0.04	-0.9	-0.1	-0.1	-2.9	0.4	Manufacture of other fabricated metal products; metal working service activities
-1.0	-0.9	-9.4	-0.6	1.0	-0.8	-0.2	1.8	0.1	3.4	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.9	1.1	8.5	-0.7	0.5	-1.6	-0.1	4.9	-1.8	0.9	Treatment and coating of metals; machining
-0.8	1.7	-0.2	2.5	-0.2	-0.5	4.0	2.3	0.1	-0.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
-1.3	-0.04	-0.8	1.7	1.5	5.4	-0.1	-0.4	0.1	-1.2	Manufacture of metal cable, plaited bands and similar articles
-1.4	-0.5	3.9	1.4	0.3	-0.6	2.7	0.4	0.3	0.3	Manufacture of bolts, screws, nuts and similar threaded products
-0.1	0.5	7.6	3.3	-0.5	1.2	-0.4	0.2	4.4	-0.7	Manufacture of metal household articles
0.2	-2.4	1.3	1.0	-0.3	-0.6	-0.4	-1.4	-1.7	-0.6	Manufacture of any other fabricated metal products n.e.c.
-0.5	-1.8	2.0	0.2	-0.2	-0.4	-0.5	-1.5	-1.4	-0.3	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
1.1	-3.5	0.8	2.1	-0.5	-0.9	-0.3	-1.6	-2.3	-1.0	Manufacture of printed circuit boards
0.8	-0.7	-0.5	0.7	-0.6	-0.7	-0.2	0.4	0.1	-0.9	Manufacture of display components
-0.2	-0.6	-1.8	2.1	-0.2	1.5	-0.2	-0.4	0.3	0.7	Manufacture of other components for electronic applications
0.4	-6.4	4.1	0.9	1.4	-0.2	-0.2	-0.8	-0.5	0.4	Manufacture of computers and peripheral equipment
0.4	-1.1	6.0	4.9	-1.8	-1.4	-0.6	-1.8	-0.3	0.3	Manufacture of communication equipment
-0.6	-1.6	-2.5	2.4	-0.2	0.5	0.1	0.4	0.4	0.2	Manufacture of consumer electronics
-0.1	-2.0	-2.9	1.9	-0.2	0.5	0.2	0.5	0.4	-0.2	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
-2.3	-0.2	-1.0	4.2	-0.2	0.6	-0.1	0.1	0.2	1.7	Manufacture of measuring, testing, navigating and control equipment
0.1	-8.6	3.9	3.3	-0.7	-0.4	-0.1	-3.4	-0.3	0.02	Manufacture of industrial process control equipment
										Manufacture of watches and clocks and parts
										Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

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

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

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
-1.1	-0.9	6.3	1.2	-0.8	-4.0	-0.4	-4.0	0.7	2.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.2	1.5	1.7	-0.1	-0.6	-0.9	-0.7	0.05	-1.7	-0.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-0.6	1.2	2.8	0.8	-0.6	-1.0	-0.3	-0.1	-0.1	0.7	Manufacture of electric motors, generators and transformers
0.9	1.8	0.9	-0.7	-0.6	-0.8	-1.0	0.1	-2.8	-0.7	Manufacture of electricity distribution and control apparatus
0.02	-0.6	1.6	3.1	0.7	-3.8	0.2	0.1	1.3	-0.2	Manufacture of batteries and accumulators
-0.1	-0.8	2.0	0.8	-0.4	-0.5	-1.1	1.9	-0.2	0.2	Manufacture of wiring and wiring devices
0.1	-1.6	-0.5	0.8	2.7	0.4	-2.3	0.1	-0.5	0.4	Manufacture of fibre optic cables
-0.1	-0.5	1.8	0.6	-0.6	-0.6	-1.1	2.1	-0.2	0.3	Manufacture of other electronic and electric wires and cables
0.0	-4.1	6.4	3.8	0.3	-0.9	0.3	0.8	-0.4	-1.1	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
1.5	3.7	4.7	1.3	0.5	-0.7	0.9	1.1	-2.6	3.5	Manufacture of electric lighting equipment
-0.9	-1.8	1.6	-4.3	-0.4	-0.5	-0.8	0.6	-1.1	5.2	Manufacture of domestic appliances
-0.2	1.0	2.1	-2.2	-0.6	-0.8	0.4	0.3	-1.0	-0.4	Manufacture of other electrical equipment
1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	Manufacture of general-purpose and special-purpose machinery
1.6	-1.1	-6.6	-0.8	0.9	-0.6	-13.5	-5.5	-0.1	-0.6	Manufacture of fluid power equipment
2.6	-1.8	-1.3	0.3	-0.1	0.3	-0.05	1.9	3.0	-4.0	Manufacture of other pumps, compressors, taps and valves
-0.6	-9.5	-0.4	1.4	-0.9	-0.9	-0.6	2.2	0.1	-0.3	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
0.5	0.5	-11.4	-2.7	0.0	-0.3	0.1	0.3	0.5	0.5	Manufacture of metal-forming machinery and machine tools
2.1	-2.3	4.3	-0.9	-0.3	0.5	-0.9	0.9	1.0	-0.03	Manufacture of air-conditioning machines, including for motor vehicles
-0.4	2.4	1.4	0.3	0.5	-0.1	-0.9	0.1	-0.3	-3.5	Manufacture of other special-purpose machinery
0.2	1.5	11.1	0.4	0.6	-0.5	1.1	-1.9	-0.9	-1.0	Other industry
-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	-1.0	-2.6	Manufacture of motor vehicles
0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	-0.1	-1.5	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.7	1.1	-2.3	0.02	0.4	-0.4	0.2	1.0	-0.4	0.8	Manufacture of parts and accessories for motor vehicles
0.9	6.6	-2.0	3.3	1.4	-0.4	-0.6	-0.4	-0.4	2.6	Building of ships and boats
-3.1	-13.6	-25.2	-11.2	-6.6	-3.1	-0.3	-2.3	-2.0	-1.7	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-1.4	-0.4	1.6	-1.3	0.3	-0.2	1.1	2.5	-0.3	-0.4	Manufacture of motorcycles
-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	Manufacture of bicycles and invalid carriages
-0.2	-0.3	1.8	0.1	1.1	-1.0	-0.1	0.0	0.4	0.6	Other industry
0.1	-0.7	-2.8	2.3	2.3	0.1	0.6	3.4	0.6	-0.1	Manufacture of furniture
-3.7	-4.3	-1.5	2.0	0.4	0.9	-0.1	0.5	-2.6	3.2	Manufacture of wooden and cane furniture
0.1	4.7	0.1	0.1	0.2	-0.1	-0.9	-0.5	0.9	-0.1	Other industry
-1.7	1.1	3.3	0.5	-0.2	-2.3	-0.3	-1.9	0.6	-0.3	Manufacture of jewellery, bijouterie and related articles
0.6	5.7	-0.8	0.0	0.4	0.4	-1.0	-0.1	1.0	-0.01	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
0.1	-0.1	-15.9	-1.1	-1.2	2.3	-2.9	2.3	0.3	8.7	Manufacture of stationery
-0.9	-9.0	10.0	0.4	1.4	-1.4	-0.5	-1.3	0.7	-0.1	Other industry
-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	Manufacture of sports goods
0.7	-0.9	1.7	-1.0	-1.9	0.9	0.1	3.0	0.5	0.6	Manufacture of games and toys
-1.3	1.7	-0.5	-1.1	1.0	-0.8	0.6	1.1	-0.7	0.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	Repair and maintenance of transport equipment except motorcycles and bicycles
										Other industry
-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	Total Manufacturing

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

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

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
106	111	103	103	103	Processing and preserving of meat
120	120	118	118	118	Processing and preserving of fish, crustaceans and molluscs
97	96	93	96	93	Canning of fish, crustaceans and molluscs
23	24	25	22	25	Processing, curing and preserving of fish, crustacean and molluscs
56	55	56	55	56	Processing and preserving of fruits and vegetable
4	4	4	4	4	Pineapple canning
52	51	53	51	53	Manufacture of jams, marmalades and table jellies
793	832	827	782	827	Manufacture of vegetable and animal oils and fats
53	54	54	55	54	Manufacture of crude and refined vegetable oil
31	30	30	26	30	Manufacture of compound cooking fats
710	748	742	701	742	Manufacture of coconut oil
225	240	247	225	247	Manufacture of dairy products
197	212	220	199	220	Manufacture of condensed, powdered and evaporated milk
27	28	27	25	27	Other industry
96	94	90	96	90	Manufacture of grain mill products, starches and starch products
46	44	45	48	45	Rice milling
43	44	39	41	39	Flour milling
6	6	6	7	6	Other industry
1,132	1,189	1,155	1,094	1,155	Manufacture of other food products
111	114	107	101	107	Manufacture of biscuits and cookies
253	259	249	239	249	Manufacture of bread, cakes and other bakery products
62	67	69	62	69	Manufacture of snack products
18	19	19	17	19	Manufacture of sugar
25	25	23	23	23	Manufacture of cocoa products
100	112	104	101	104	Manufacture of chocolate and chocolate products
107	119	130	100	130	Manufacture of sugar confectionery
143	152	139	135	139	Manufacture of sauces and condiments
312	323	315	316	315	Manufacture of other food products n.e.c.
282	301	279	281	279	Manufacture of prepared animal feeds
139	154	151	141	151	Manufacture of beverages
98	109	105	101	105	Manufacture of soft drinks
32	34	34	32	34	Production of natural mineral waters and other bottled waters
9	11	12	9	12	Other industry
15	18	17	18	17	Manufacture of tobacco products
88	89	85	84	85	Spinning, weaving and finishing of textiles
62	62	59	56	59	Preparation and spinning of textile fibres
24	25	24	25	24	Weaving of textiles
2	2	2	2	2	Dyeing, bleaching, printing and finishing of yarns and fabrics
90	92	91	88	91	Manufacture of other textiles
25	26	24	24	24	Manufacture of knitted and crocheted fabrics
65	66	67	65	67	Other industry
225	246	245	238	245	Manufacture of wearing apparel, except fur apparel
151	169	174	162	174	Manufacture of clothings
74	77	71	76	71	Other industry
6	6	6	6	6	Manufacture of articles of fur, knitted and crocheted apparel
32	33	32	32	32	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
52	55	56	54	56	Manufacture of footwear
36	37	36	39	36	Manufacture of leather footwear
16	18	20	15	20	Manufacture of rubber footwear
131	134	136	134	136	Sawmilling and planning of wood

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

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

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
35	37	37	37	37	36	34	34	Processing and preserving of meat
40	40	40	40	41	40	39	39	Processing and preserving of fish, crustaceans and molluscs
32	32	32	32	32	31	31	30	Canning of fish, crustaceans and molluscs
8	8	8	8	8	8	8	8	Processing, curing and preserving of fish, crustacean and molluscs
18	18	18	18	18	19	18	19	Other industry
1	1	1	1	1	1	1	1	Processing and preserving of fruits and vegetable
17	17	17	17	17	18	17	18	Pineapple canning
258	268	271	265	296	278	279	270	Manufacture of vegetable and animal oils and fats
18	18	18	18	18	18	18	18	Manufacture of crude and refined vegetable oil
10	10	10	10	10	10	10	10	Manufacture of compound cooking fats
230	240	243	237	268	250	251	241	Manufacture of coconut oil
75	78	76	77	88	90	76	81	Manufacture of dairy products
66	68	66	67	79	81	67	72	Manufacture of condensed, powdered and evaporated milk
9	9	10	10	9	9	9	9	Other industry
32	32	31	31	32	33	28	29	Manufacture of grain mill products, starches and starch products
15	15	15	15	15	15	15	15	Rice milling
14	14	14	14	16	15	12	12	Flour milling
2	2	2	2	2	2	2	2	Other industry
376	388	389	391	410	394	382	379	Manufacture of other food products
37	38	37	38	38	37	35	35	Manufacture of biscuits and cookies
84	86	85	87	88	84	85	80	Manufacture of bread, cakes and other bakery products
21	22	22	22	23	23	23	23	Manufacture of snack products
6	6	6	6	7	6	7	6	Manufacture of sugar
8	8	8	8	9	8	7	7	Manufacture of cocoa products
33	35	36	37	38	36	34	34	Manufacture of chocolate and chocolate products
36	38	38	38	44	41	42	47	Manufacture of sugar confectionery
47	50	50	50	53	51	43	44	Manufacture of sauces and condiments
104	106	106	106	111	108	105	102	Manufacture of other food products n.e.c.
93	94	96	99	107	100	91	88	Other industry
45	49	49	51	54	51	50	50	Manufacture of prepared animal feeds
32	34	34	36	39	36	35	35	Manufacture of beverages
11	11	11	11	11	12	11	11	Manufacture of soft drinks
3	3	3	3	4	4	4	4	Production of natural mineral waters and other bottled waters
5	5	5	5	7	6	6	6	Other industry
29	30	29	30	30	30	28	28	Manufacture of tobacco products
21	21	20	21	21	21	19	19	Spinning, weaving and finishing of textiles
8	8	8	8	8	8	8	8	Preparation and spinning of textile fibres
1	1	1	1	1	1	1	1	Weaving of textiles
30	30	31	30	31	31	30	31	Dyeing, bleaching, printing and finishing of yarns and fabrics
8	8	9	9	9	8	8	8	Other industry
22	22	22	22	22	23	22	23	Manufacture of other textiles
74	77	76	82	88	85	80	80	Manufacture of knitted and crocheted fabrics
49	51	51	56	62	61	56	57	Other industry
25	26	25	26	26	25	23	23	Manufacture of wearing apparel, except fur apparel
2	2	2	2	2	2	2	2	Manufacture of clothings
10	11	11	11	12	11	10	11	Other industry
17	18	18	18	18	19	19	18	Manufacture of articles of fur, knitted and crocheted apparel
12	12	12	12	12	12	12	12	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
5	6	6	6	6	7	6	6	Manufacture of footwear
43	44	45	44	44	44	46	46	Manufacture of leather footwear
								Manufacture of rubber footwear
								Other industry
								Sawmilling and planning of wood

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

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

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
546	559	558	544	558	Manufacture of products of wood, cork, straw and plaiting materials
265	271	265	255	265	Manufacture of veneer sheets and plywood
80	84	87	82	87	Manufacture of particle board and fibreboard
119	115	114	122	114	Manufacture of builders' carpentry
82	90	92	85	92	Other industry
527	550	554	548	554	Manufacture of paper and paper products
57	62	64	67	64	Manufacture of pulp, paper and paperboard
231	235	236	226	236	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
13	14	14	13	14	Manufacture of envelopes and letter-card
92	100	109	108	109	Manufacture of household and personal hygiene paper
61	61	57	63	57	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
73	78	75	70	75	Other industry
584	605	623	594	623	Printing, service activities related to printing and reproduction of recorded media
493	514	524	498	524	Printing
91	91	98	96	98	Service activities related to printing
					Reproduction of recorded media
592	664	682	677	682	Manufacture of refined petroleum products
772	784	770	863	770	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
92	96	84	90	84	Manufacture of liquefied or compressed inorganic industrial or medical gases
381	388	344	451	344	Manufacture of basic organic chemicals
					Manufacture of inorganic compounds
					Manufacture of fertilizers
70	66	68	76	68	Manufacture of associated nitrogen products
206	209	247	216	247	Manufacture of plastics in primary forms
25	25	27	31	27	Other industry
676	689	730	688	730	Manufacture of other chemical products and man-made fibres
73	77	83	71	83	Manufacture of pesticides and other agrochemical products
106	107	119	106	119	Manufacture of paints, varnishes and similar coatings ink and mastics
53	51	46	54	46	Manufacture of printing ink
					Manufacture of soap and detergents, cleaning and polishing preparations
223	218	230	236	230	Manufacture of perfumes and toilet preparations
					Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
213	230	245	210	245	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
8	6	6	9	6	Other industry
204	215	191	188	191	Manufacture of pharmaceuticals, medicinal chemical and botanical products
155	166	146	149	146	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
49	49	45	39	45	Other industry
1,076	1,014	961	943	961	Manufacture of rubber products
126	119	103	115	103	Manufacture of rubber tyres for vehicles
35	35	36	29	36	Manufacture of interchangeable tyre treads and retreading rubber tyres
197	198	193	182	193	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
					Rubber remilling and latex processing
543	496	470	444	470	Manufacture of rubber gloves
176	165	159	173	159	Manufacture of other rubber products n.e.c.
2,006	2,041	2,010	1,996	2,010	Manufacture of plastics products
					Manufacture of semi-manufactures of plastic products
662	672	643	712	643	Manufacture of finished plastic products
545	512	528	550	528	Manufacture of plastic articles for the packing of goods
29	29	31	29	31	Manufacture of builders' plastics ware
147	144	148	145	148	Manufacture of plastic tableware, kitchenware and toilet articles
623	684	660	560	660	Manufacture of diverse plastic products n.e.c.
231	232	230	230	230	Manufacture of glass and glass products

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

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

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
183	183	185	186	189	189	185	183	Manufacture of products of wood, cork, straw and plaiting
89	89	89	91	90	91	88	86	Manufacture of veneer sheets and plywood
27	27	27	28	29	29	29	29	Manufacture of particle board and fibreboard
40	39	40	38	38	38	38	38	Manufacture of builders' carpentry
27	28	29	29	32	31	30	31	Other industry
175	179	182	180	188	184	186	183	Manufacture of paper and paper products
19	19	21	20	21	21	22	22	Manufacture of pulp, paper and paperboard
76	78	79	78	78	80	78	78	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
4	4	5	5	5	5	4	5	Manufacture of envelopes and letter-card
31	32	32	31	36	35	38	36	Manufacture of household and personal hygiene paper
20	20	21	21	20	19	19	19	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
24	25	25	25	28	25	25	25	Other industry
197	191	193	199	213	204	210	209	Printing, service activities related to printing and reproduction of recorded media
166	162	163	169	182	170	178	177	Printing
31	29	30	30	31	34	33	32	Service activities related to printing
								Reproduction of recorded media
194	208	217	207	240	216	216	250	Manufacture of refined petroleum products
256	252	255	256	272	260	250	260	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
30	31	32	32	32	28	28	28	Manufacture of liquefied or compressed inorganic industrial or medical gases
126	122	125	126	137	116	113	116	Manufacture of basic organic chemicals
								Manufacture of inorganic compounds
								Manufacture of fertilizers
23	23	22	22	22	23	21	24	Manufacture of associated nitrogen products
68	68	68	68	73	84	79	84	Manufacture of plastics in primary forms
8	8	9	8	9	10	9	8	Other industry
227	224	225	221	243	233	248	250	Manufacture of other chemical products and man-made fibres
23	24	26	25	26	26	27	30	Manufacture of pesticides and other agrochemical products
37	36	35	34	37	37	44	38	Manufacture of paints, varnishes and similar coatings ink and mastics
18	17	17	17	17	15	16	15	Manufacture of printing ink
								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
71	73	75	74	81	82	81	83	Manufacture of writing and drawing ink
								Manufacture of other chemical products n.e.c.
2	2	2	2	2	2	2	2	Other industry
69	68	70	67	78	66	62	63	Manufacture of pharmaceuticals, medicinal chemical and botanical products
53	52	53	51	62	51	47	48	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
16	16	17	16	16	15	15	15	Other industry
367	354	344	341	329	325	318	318	Manufacture of rubber products
43	41	40	40	40	40	33	30	Manufacture of rubber tyres for vehicles
12	12	12	12	12	12	11	14	Manufacture of interchangeable tyre treads and retreading rubber tyres
								Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
65	66	66	65	67	66	60	67	Rubber remilling and latex processing
189	176	169	169	158	155	160	155	Manufacture of rubber gloves
59	58	57	55	53	53	54	52	Manufacture of other rubber products n.e.c.
670	671	672	678	691	678	663	668	Manufacture of plastics products
225	224	222	225	224	220	221	202	Manufacture of semi-manufactures of plastic products
								Manufacture of finished plastic products
175	172	168	168	175	178	166	184	Manufacture of plastic articles for the packing of goods
9	9	9	9	10	10	10	11	Manufacture of builders' plastics ware
50	49	50	46	48	48	49	51	Manufacture of plastic tableware, kitchenware and toilet articles
211	217	223	228	233	222	217	221	Manufacture of diverse plastic products n.e.c.
76	79	77	75	80	77	75	79	Manufacture of glass and glass products

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

1.6a

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

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
952	1,001	971	914	971	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
81	84	88	75	88	Manufacture of non-refractory ceramic
37	37	34	37	34	Manufacture of other porcelain and ceramic products
73	73	67	73	67	Manufacture of hydraulic cement
177	185	189	175	189	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
341	355	337	319	337	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.
146	164	157	141	157	Manufacture of other non-metallic mineral products n.e.c.
97	104	101	95	101	Other industry
569	600	630	631	630	Manufacture of basic iron and steel
347	364	410	394	410	Manufacture of basic precious and other non-ferrous metals
96	100	104	103	104	Casting of metals
428	435	460	431	460	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
					Manufacture of metal doors, windows and their frames, shutters and gates
222	218	220	226	220	Manufacture of other structural metal products
157	167	188	154	188	Manufacture of tanks, reservoirs and containers of metal
50	51	52	51	52	Other industry
1,029	1,101	1,142	1,063	1,142	Manufacture of other fabricated metal products; metal working service activities
					Forging, pressing, stamping and roll-forming of metal; powder metallurgy
184	197	192	185	192	
115	118	130	128	130	Treatment and coating of metals; machining
138	156	156	134	156	Manufacture of tins and cans for food products, collapsible tubes and boxes
					Manufacture of metal cable, plaited bands and similar articles
277	297	325	277	325	Manufacture of bolts, screws, nuts and similar threaded products
17	17	17	16	17	Manufacture of metal household articles
247	259	271	272	271	Manufacture of any other fabricated metal products n.e.c.
52	57	51	50	51	Other industry
2,887	3,076	2,989	3,230	2,989	Manufacture of electronic components and boards
					Manufacture of diodes, transistors and similar semiconductor devices
1,908	1,976	1,948	2,051	1,948	Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
870	983	915	1,056	915	Manufacture of printed circuit boards
					Manufacture of display components
109	117	126	123	126	Manufacture of other components for electronic applications
768	834	786	748	786	Manufacture of computers and peripheral equipment
178	197	198	211	198	Manufacture of communication equipment
339	360	311	329	311	Manufacture of consumer electronics
785	804	796	629	796	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
					Manufacture of measuring, testing, navigating and control equipment
736	756	748	582	748	Manufacture of industrial process control equipment
49	47	48	47	48	Manufacture of watches and clocks and parts
169	173	197	192	197	Manufacture of irradiation, electromedical and electrotherapeutic equipment

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	312	298	305	304	314	314	313
23911	Pembuatan mortar refraktori dan konkrit							
&								
23921	Pembuatan seramik bukan refraktori	25	24	26	26	27	28	27
23930	Pembuatan produk porselin dan seramik lain	15	11	11	11	12	12	12
23941	Pembuatan simen hidrolik	26	24	24	24	26	25	25
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	59	58	58	57	58	58	58
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	109	103	107	107	112	111	114
&	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.							
23959								
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	46	47	47	44	49	48	46
	Industri lain	32	31	32	34	32	32	32
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	215	207	208	202	201	194	188
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	131	135	128	121	122	119	117
243	Pengacuan logam	36	33	34	33	33	33	31
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	144	143	144	141	144	142	143
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	75	75	77	74	76	74	75
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	52	51	51	51	52	51	52
	Industri lain	17	17	17	17	17	16	16
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	354	358	351	337	344	337	336
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	63	62	60	60	61	58	60
25920	Rawatan dan penyalutan logam; menggunakan mesin	43	44	42	41	41	41	41
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	46	45	44	42	43	43	43
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	90	94	93	88	93	92	91
&								
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya							
25994	Pembuatan barangan rumah daripada logam	5	5	5	5	5	5	6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	93	91	89	83	84	82	79
	Industri lain	15	18	18	18	16	16	16
261	Pembuatan komponen dan papan elektronik	1,055	1,103	1,073	1,046	1,046	1,029	942
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya							
&								
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	668	688	695	678	656	661	626
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	346	374	336	327	350	328	277
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	41	41	42	41	41	41	39
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	252	259	237	248	262	236	251
263/ 26300	Pembuatan peralatan komunikasi	72	69	70	67	64	67	56
264/ 26400	Pembuatan peralatan elektronik pengguna	113	104	112	101	104	106	105
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	200	208	222	231	253	271	261
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan							
&								
26512	Pembuatan kelengkapan kawalan proses perindustrian	184	193	206	217	238	257	244
26520	Pembuatan jam tangan dan jam dan bahagiannya	16	15	15	15	15	14	17
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	63	66	64	67	64	63	58

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
314	325	326	333	342	330	318	323	Manufacture of non-metallic mineral products n.e.c.
27	27	27	27	30	29	29	30	Manufacture of refractory mortars and concretes
12	12	12	12	13	11	11	11	Manufacture of non-refractory ceramic
24	24	23	24	26	26	21	21	Manufacture of other porcelain and ceramic products
58	61	60	61	63	63	62	64	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
112	115	116	123	117	115	109	112	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.
49	51	53	53	58	53	54	51	Manufacture of other non-metallic mineral products n.e.c.
32	33	34	34	36	33	33	34	Other industry
189	192	191	192	217	220	202	207	Manufacture of basic iron and steel
114	116	118	118	129	135	140	135	Manufacture of basic precious and other non-ferrous metals
32	33	33	33	35	36	35	33	Casting of metals
143	142	141	142	153	158	152	150	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
74	73	72	72	74	78	70	72	Manufacture of metal doors, windows and their frames, shutters and gates
52	53	52	53	62	63	63	61	Manufacture of other structural metal products
17	17	17	17	17	17	18	17	Manufacture of tanks, reservoirs and containers of metal
342	352	357	358	386	382	381	379	Manufacture of other fabricated metal products; metal working service activities
62	63	63	63	71	65	63	64	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
37	37	37	36	45	43	44	43	Treatment and coating of metals; machining
46	49	50	53	53	53	53	50	Manufacture of tins and cans for food products, collapsible tubes and boxes
91	94	97	97	104	106	109	110	Manufacture of metal cable, plaited bands and similar articles
6	6	6	6	6	6	6	6	Manufacture of bolts, screws, nuts and similar threaded products
83	85	87	85	88	91	90	90	Manufacture of metal household articles
17	18	19	19	20	19	16	16	Manufacture of any other fabricated metal products n.e.c.
957	988	985	980	1,112	1,005	1,008	976	Manufacture of electronic components and boards
638	644	640	625	712	646	655	647	Manufacture of diodes, transistors and similar semiconductor devices
								Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
285	307	306	318	358	316	312	288	Manufacture of printed circuit boards
34	37	38	37	42	43	41	42	Manufacture of display components
250	267	263	263	309	268	267	251	Manufacture of other components for electronic applications
62	60	59	72	66	65	67	66	Manufacture of computers and peripheral equipment
112	121	121	120	118	119	101	91	Manufacture of communication equipment
260	264	262	262	280	246	266	285	Manufacture of consumer electronics
244	248	246	246	264	230	250	269	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
16	16	16	16	15	16	16	16	Manufacture of measuring, testing, navigating and control equipment
56	56	56	54	63	64	66	67	Manufacture of industrial process control equipment
								Manufacture of watches and clocks and parts
								Manufacture of irradiation, electromedical and electrotherapeutic equipment

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

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

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)	
123	131	138	124	138	Manufacture of optical instruments, photographic equipment, magnetic and optical media
309	309	316	322	316	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
126	130	128	116	128	Manufacture of electric motors, generators and transformers
183	180	188	207	188	Manufacture of electricity distribution and control apparatus
141	143	142	135	142	Manufacture of batteries and accumulators
274	248	235	278	235	Manufacture of wiring and wiring devices
24	24	21	21	21	Manufacture of fibre optic cables
241	216	205	250	205	Manufacture of other electronic and electric wires and cables
8	8	9	8	9	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
66	68	70	61	70	Manufacture of electric lighting equipment
106	97	96	94	96	Manufacture of domestic appliances
107	117	117	116	117	Manufacture of other electrical equipment
1,084	1,139	1,130	1,148	1,130	Manufacture of general-purpose and special-purpose machinery
91	96	59	85	59	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
224	234	217	221	217	Manufacture of metal-forming machinery and machine tools
147	154	181	185	181	Manufacture of air-conditioning machines, including for motor vehicles
118	119	125	142	125	Manufacture of other special-purpose machinery n.e.c.
505	536	548	515	548	Other industry
279	287	261	270	261	Manufacture of motor vehicles
102	110	106	97	106	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
518	538	525	511	525	Manufacture of parts and accessories for motor vehicles
76	83	90	77	90	Building of ships and boats
209	212	218	220	218	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
132	135	136	133	136	Manufacture of motorcycles
24	22	22	31	22	Manufacture of bicycles and invalid carriages
53	55	60	56	60	Other industry
660	689	694	683	694	Manufacture of furniture
540	562	569	553	569	Manufacture of wooden and cane furniture
120	126	125	130	125	Other industry
61	68	67	67	67	Manufacture of jewellery, bijouterie and related articles
185	194	191	179	191	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
39	37	37	37	37	Manufacture of stationery
146	157	155	142	155	Other industry
16	16	16	19	16	Manufacture of sports goods
66	67	55	63	55	Manufacture of games and toys
338	355	362	359	362	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
69	87	86	80	86	Repair and maintenance of transport equipment except motorcycles and bicycles
269	268	276	279	276	Other industry
24,068	25,039	24,823	24,517	24,823	Total Manufacturing

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

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

2024								Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
41	42	42	43	45	44	45	49	Manufacture of optical instruments, photographic equipment, magnetic and optical media
103	102	100	97	112	109	104	103	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
42	43	44	43	43	46	41	41	Manufacture of electric motors, generators and transformers
61	59	56	55	69	63	64	61	Manufacture of electricity distribution and control apparatus
47	48	48	48	47	44	50	48	Manufacture of batteries and accumulators
92	90	87	82	79	80	78	77	Manufacture of wiring and wiring devices
8	8	8	7	8	7	7	7	Manufacture of fibre optic cables
82	79	76	72	68	70	67	67	Manufacture of other electronic and electric wires and cables
3	3	3	3	2	3	3	3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
23	22	22	21	26	24	23	23	Manufacture of electric lighting equipment
36	34	33	32	33	32	32	32	Manufacture of domestic appliances
35	37	38	36	42	42	37	38	Manufacture of other electrical equipment
363	367	370	368	400	386	380	365	Manufacture of general-purpose and special-purpose machinery
31	30	31	29	37	20	20	19	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
75	76	75	77	82	74	75	68	Manufacture of metal-forming machinery and machine tools
48	49	49	50	55	58	63	61	Manufacture of air-conditioning machines, including for motor vehicles
36	37	39	38	42	44	41	40	Manufacture of other special-purpose machinery n.e.c.
173	175	177	174	185	190	181	177	Other industry
94	93	93	92	103	90	90	81	Manufacture of motor vehicles
35	36	36	36	38	36	36	33	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
171	172	173	174	191	172	176	176	Manufacture of parts and accessories for motor vehicles
25	26	26	28	29	29	28	32	Building of ships and boats
68	70	72	69	71	71	73	74	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
43	46	47	43	45	45	45	47	Manufacture of motorcycles
7	7	7	8	8	7	7	7	Manufacture of bicycles and invalid carriages
17	17	18	18	19	19	21	21	Other industry
218	226	226	226	237	237	229	228	Manufacture of furniture
178	185	184	184	194	194	188	187	Manufacture of wooden and cane furniture
40	41	42	42	42	43	42	41	Other industry
20	21	21	23	24	22	23	23	Manufacture of jewellery, bijouterie and related articles
62	63	63	63	68	64	64	64	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
13	13	12	12	12	12	12	12	Manufacture of stationery
48	50	51	51	56	51	52	52	Other industry
5	5	5	5	5	5	5	5	Manufacture of sports goods
22	23	22	20	25	18	18	20	Manufacture of games and toys
113	113	113	118	124	120	121	121	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
23	23	24	29	34	27	30	29	Repair and maintenance of transport equipment except motorcycles and bicycles
90	89	89	89	90	93	91	92	Other industry
8,001	8,135	8,146	8,149	8,744	8,350	8,243	8,230	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			2023				2024	2023	2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	(Jan. - Mac)	(Jan. - Mac)
101	Pemprosesan dan pengawetan daging	1.8	17.9	17.2	22.0	21.7	11.6	0.0	17.2	0.0
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.7	6.0	6.0	6.6	7.8	3.6	0.0	6.0	0.0
	10201 Pengetinan ikan, krustasea dan moluska									
	&									
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.0	7.4	8.3	8.7	10.7	2.2	-3.3	8.3	-3.3
	Industri lain	3.6	0.3	-3.0	-1.7	-3.1	9.2	15.0	-3.0	15.0
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.8	17.9	18.5	23.8	16.8	12.6	2.8	18.5	2.8
	10303 Pengetinan nanas									
	&									
	10304 Pembuatan jem, marmalad dan sajian jeli	-25.2	39.3	56.6	54.8	29.4	20.9	-4.0	56.6	-4.0
	Industri lain	12.0	16.6	16.4	22.0	15.9	12.0	3.3	16.4	3.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.6	7.9	8.5	7.8	7.8	7.5	5.7	8.5	5.7
	10404 Pembuatan minyak sayuran mentah dan bertapis									
	&									
	10406 Pembuatan sebatian lemak masakan	6.9	-0.1	5.5	1.9	-6.1	-1.2	-1.8	5.5	-1.8
	10405 Pembuatan minyak kelapa	-2.9	22.9	11.5	11.2	34.0	36.3	14.9	11.5	14.9
	Industri lain	7.0	8.1	8.7	8.2	8.1	7.3	5.9	8.7	5.9
105	Pembuatan produk tenusu	8.9	5.3	1.8	2.3	3.6	13.9	9.8	1.8	9.8
	10502 Pembuatan susu pekat, tepung dan sejat	10.0	5.1	2.3	2.8	1.9	13.6	10.2	2.3	10.2
	Industri lain	0.8	7.4	-1.6	-1.7	18.4	16.3	6.0	-1.6	6.0
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	3.9	2.7	6.1	3.4	3.3	-6.1	2.7	-6.1
	10611 Pengilangan beras	1.3	3.9	6.0	5.5	4.2	0.03	-6.20	6.0	-6.2
	10613 Pengilangan tepung	0.7	4.4	-0.7	7.1	3.2	8.0	-5.8	-0.7	-5.8
	Industri lain	0.6	-0.1	1.7	3.2	-0.8	-4.3	-7.5	1.7	-7.5
107	Pembuatan produk makanan lain	9.8	7.9	8.2	5.3	8.5	9.3	5.6	8.2	5.6
	10711 Pembuatan biskut dan cookies	17.0	14.3	12.6	10.9	16.8	16.8	6.2	12.6	6.2
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.1	6.7	9.1	6.5	6.5	5.1	4.4	9.1	4.4
	10713 Pembuatan produk snek	13.5	7.9	12.3	3.0	6.0	10.3	12.8	12.3	12.8
	10721 Pembuatan gula	7.3	-11.9	-22.0	-17.3	-10.9	5.6	10.3	-22.0	10.3
	10731 Pembuatan produk koko	13.2	4.9	-4.8	3.9	12.2	8.9	0.6	-4.8	0.6
	10732 Pembuatan coklat dan produk coklat									
	&									
	10733 Pembuatan konfeksi gula	15.6	1.0	2.4	-7.1	1.1	7.4	2.4	2.4	2.4
	10793 Pembuatan sos dan bahan perasa	1.6	16.3	9.1	12.3	18.8	24.8	29.2	9.1	29.2
	10799 Pembuatan produk makanan lain t.t.t.l.	26.4	17.2	18.9	15.8	19.0	15.2	2.7	18.9	2.7
	Industri lain	10.3	4.3	6.4	2.7	4.3	3.8	-0.3	6.4	-0.3
108/ 10800	Pembuatan makanan haiwan tersedia	1.5	7.6	7.2	6.4	8.1	8.4	-0.7	7.2	-0.7
110	Pembuatan minuman ringan	4.8	7.7	6.9	8.3	8.5	7.2	6.7	6.9	6.7
	11041 Pembuatan minuman ringan	9.0	9.4	11.9	12.6	8.8	5.1	4.2	11.9	4.2
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-0.8	1.4	-5.5	-2.1	5.2	8.4	7.2	-5.5	7.2
	Industri lain	-15.2	12.9	3.3	1.8	18.0	28.2	33.8	3.3	33.8
120/ 12000	Pembuatan produk tembakau	2.6	4.8	4.5	8.5	5.2	1.7	-3.5	4.5	-3.5
131	Pemintalan, penenunan dan penyiapan tekstil	7.8	-2.5	-4.4	-2.1	-0.3	-3.0	1.5	-4.4	1.5
	13110 Penyediaan dan pemintalan gentian tekstil									
	&									
	13120 Penenunan tekstil	7.2	0.3	-4.9	1.5	4.7	0.1	4.8	-4.9	4.8
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	9.5	-8.9	-3.6	-9.8	-12.0	-10.1	-5.8	-3.6	-5.8
	Industri lain	1.5	1.4	-1.0	-3.8	10.8	0.03	-0.82	-1.0	-0.8
139	Pembuatan tekstil lain	-2.9	13.1	12.3	16.9	12.8	10.8	3.0	12.3	3.0
	13910 Pembuatan fabrik dikait dan dikrusye	-12.6	3.3	-5.4	10.6	6.3	2.3	0.9	-5.4	0.9
	Industri lain	2.0	17.5	20.5	19.6	15.5	14.5	3.8	20.5	3.8
141	Pembuatan pakaian, kecuali pakaian berbulu	5.9	5.8	6.0	8.5	5.6	3.4	2.7	6.0	2.7
	14102 Pembuatan pakaian	3.2	6.3	7.7	9.2	5.2	3.4	7.1	7.7	7.1
	Industri lain	12.1	4.8	2.7	7.0	6.4	3.4	-6.5	2.7	-6.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.9	-1.6	-5.5	-7.2	1.5	5.5	6.4	-5.5	6.4
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1.5	5.2	4.3	8.4	5.1	3.1	-0.2	4.3	-0.2
152	Pembuatan kasut	7.6	6.5	6.0	6.1	6.9	7.1	2.7	6.0	2.7
	15201 Pembuatan kasut kulit									
	&									
	15203 Pembuatan kasut getah	9.1	2.8	5.8	4.6	2.0	-1.1	-6.6	5.8	-6.6
	Industri lain	3.7	16.2	6.6	9.9	19.9	29.0	26.1	6.6	26.1
161/ 16100	Pengilangan dan pengetaman kayu	-5.0	1.1	-2.2	-1.6	3.7	4.7	2.0	-2.2	2.0

2023										2024						Group Description/Period				
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar						
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	1.7	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	-1.0	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	-4.9	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	16.7	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	2.8	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	-9.0	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	3.8	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	4.7	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	-1.0	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	19.7	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	4.6	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	8.0	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	8.3	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	6.4	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	-10.0	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	-8.0	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	-13.6	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	-2.3	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	5.1	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	5.3	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	3.1	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	13.5	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	18.8	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	-2.3	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	1.0	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	25.9	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	2.3	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	-0.5	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	-5.3	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	7.1	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	4.7	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	4.4	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	46.6	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	-3.8	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	0.8	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	2.6	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	-3.3	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	-1.1	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	3.6	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	5.8	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	2.8	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	3.2	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	8.7	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	-8.1	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	9.6	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	1.0	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	0.9	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	-8.8	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	24.8	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	5.3	Sawmilling and planning of wood					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)	(Jan. - Mac)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	7.9	5.8	5.9	6.1	5.9	5.4	2.6		5.9	2.6
16211	Pembuatan kepingan venier dan papan lapis	7.9	3.4	3.0	5.0	3.9	2.1	3.9		3.0	3.9
16212	Pembuatan papan partikel dan papan gentian	19.0	8.0	8.2	2.0	8.3	13.8	6.3		8.2	6.3
16221	Pertukangan kayu untuk jurubina	5.3	11.6	14.3	14.8	12.2	5.4	-6.8		14.3	-6.8
	Industri lain	2.5	3.6	1.9	1.5	2.1	8.8	8.6		1.9	8.6
170	Pembuatan kertas dan produk kertas	4.1	2.3	4.7	1.4	1.3	1.6	1.1		4.7	1.1
17010	Pembuatan pulpa, kertas dan kertas tebal	12.1	-20.6	-9.5	-26.6	-26.4	-19.8	-5.1		-9.5	-5.1
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	3.9	9.5	12.9	9.7	9.0	6.7	4.4		12.9	4.4
17091	Pembuatan sampul surat dan kad surat	-8.9	-1.6	-1.7	-0.2	-5.1	0.8	2.9		-1.7	2.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	8.3	6.0	10.9	4.2	1.9	6.5	1.1		10.9	1.1
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.4	-8.1	-13.5	-4.7	-3.5	-9.6	-10.2		-13.5	-10.2
	Industri lain	14.3	11.7	8.0	10.6	14.3	13.9	6.6		8.0	6.6
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.2	6.3	4.8	7.3	7.8	5.2	4.9		4.8	4.9
18110	Percetakan	4.7	6.4	5.1	7.3	7.7	5.7	5.3		5.1	5.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	1.2	5.2	2.8	7.8	8.1	2.5	2.8		2.8	2.8
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.6	5.9	7.7	7.1	2.6	6.1	0.8		7.7	0.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.7	0.5	8.0	1.8	-4.3	-3.4	-10.7		8.0	-10.7
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	31.2	21.3	23.0	12.5	20.1	29.4	-6.2		23.0	-6.2
20112 & 20113	Pembuatan kimia organik asas	7.0	-2.5	9.0	1.2	-10.7	-9.0	-23.6		9.0	-23.6
20121 & 20129	Pembuatan sebatian bukan organik	-9.5	-7.6	-6.8	-1.8	-7.7	-14.1	-10.7		-6.8	-10.7
20131	Pembuatan produk campuran nitrogen	-2.3	3.5	6.4	2.1	3.3	2.4	14.6		6.4	14.6
	Pembuatan plastik dalam bentuk primer	15.0	-9.0	9.0	-10.0	-18.0	-15.8	-13.5		9.0	-13.5
	Industri lain										
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	0.4	3.2	0.3	3.5	5.9	3.3	6.2		0.3	6.2
20210	Pembuatan racun perosak dan produk agrokimia lain	7.7	17.4	6.8	22.6	20.1	20.6	16.8		6.8	16.8
20221	Pembuatan cat, varnis dan penyadur dan mastik	6.2	16.1	7.7	18.8	24.7	14.9	12.4		7.7	12.4
20222	Pembuatan dakwat cetak	-15.5	-10.3	-13.1	-8.3	-7.2	-12.5	-14.9		-13.1	-14.9
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	-6.4	6.2	2.9	10.7	10.7	1.5	-2.5		2.9	-2.5
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri										
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	8.5	-4.8	-4.0	-11.3	-5.1	0.7	16.3		-4.0	16.3
20299	Pembuatan dakwat menulis dan melukis										
	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	6.2	-12.7	2.6	-4.7	-18.7	-30.3	-31.7		2.6	-31.7
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.0	1.9	4.6	0.7	0.9	1.9	1.4		4.6	1.4
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.6	-0.9	3.9	-1.2	-2.8	-2.9	-1.7		3.9	-1.7
	Industri lain	11.3	13.1	7.1	7.9	14.7	21.9	13.1		7.1	13.1
221	Pembuatan produk getah	0.0	-1.4	0.5	-5.7	-1.2	1.1	1.9		0.5	1.9
22111	Pembuatan tayar getah untuk kenderaan	8.0	25.7	41.6	23.4	20.8	20.0	-10.2		41.6	-10.2
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	16.1	27.3	25.3	23.6	29.3	30.6	26.6		25.3	26.6
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	8.0	4.4	6.3	3.4	0.4	7.7	5.8		6.3	5.8
	Pengilangan semula getah dan prosesan susu getah										
2024	Pembuatan sarung tangan getah	-3.5	-8.6	-8.2	-14.8	-7.0	-3.9	5.8		-8.2	5.8
	Pembuatan produk getah lain yang t.t.t.l.	-2.7	-4.0	-3.1	-5.4	-1.2	-6.4	-8.3		-3.1	-8.3
222	Pembuatan produk plastik	4.8	2.7	8.0	2.3	-0.3	1.1	0.7		8.0	0.7
22201	Pembuatan produk plastik separa siap										
22202	Pembuatan produk plastik siap	3.3	0.9	14.0	1.7	-3.8	-6.7	-9.6		14.0	-9.6
22203	Pembuatan artikel plastik untuk pembungkusan barangan	16.0	19.5	36.8	27.4	15.6	1.9	-4.1		36.8	-4.1
22204	Pembuatan barangan plastik jurubina	5.4	17.5	16.9	25.8	15.9	11.4	6.7		16.9	6.7
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.9	-2.3	-1.7	-1.9	-4.1	-1.5	2.2		-1.7	2.2
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.5	-6.8	-13.7	-14.6	-7.6	9.6	17.8		-13.7	17.8
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.1	3.6	9.5	6.4	3.1	-3.8	0.1		9.5	0.1

2023												2024					Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar			
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	1.8	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	1.2	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	8.4	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	-5.8	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	7.6	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	0.8	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	-2.6	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	4.2	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	4.3	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	-1.7	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	-9.8	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	5.6	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	5.8	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	6.3	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	3.1	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	0.6	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	-13.8	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	-14.9	Manufacture of liquefied or compressed inorganic industrial or medical gases		
															Manufacture of basic organic chemicals		
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	-25.1	Manufacture of inorganic compounds		
															Manufacture of fertilizers		
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	-7.8	Manufacture of associated nitrogen products		
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	7.2	Manufacture of plastics in primary forms		
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	-14.5	Other industry		
-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	9.3	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	11.0	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	13.9	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	-17.9	Manufacture of printing ink		
															Manufacture of soap and detergents, cleaning and polishing preparations		
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	3.3	Manufacture of perfumes and toilet preparations		
															Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials		
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	22.5	Manufacture of writing and drawing ink		
															Manufacture of other chemical products n.e.c.		
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	-29.1	Other industry		
6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9	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	-2.0	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	16.6	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	-0.3	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	-16.2	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	24.4	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	4.9	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened		
															Rubber remilling and latex processing		
-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	4.7	Manufacture of rubber gloves		
-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	-13.4	Manufacture of other rubber products n.e.c.		
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	-0.4	Manufacture of plastics products		
															Manufacture of semi-manufactures of plastic 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	-8.8	Manufacture of finished 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	-10.5	Manufacture of plastic articles for the packing of goods		
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	4.5	Manufacture of builders' plastics ware		
-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	3.5	Manufacture of plastic tableware, kitchenware and toilet articles		
-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	19.5	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	6.3	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		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)	(Jan. - Mac)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.5	2.2	0.1	0.1	2.7	5.8	6.3		0.1	6.3
23911	Pembuatan mortar refraktori dan konkrit										
&											
23921	Pembuatan seramik bukan refraktori	-14.7	2.9	1.1	2.9	3.3	4.2	17.7		1.1	17.7
23930	Pembuatan produk porselin dan seramik lain	7.4	-14.1	-15.2	-18.1	-12.5	-10.3	-9.0		-15.2	-9.0
23941	Pembuatan simen hidrolik	-3.3	5.6	5.1	7.1	6.9	3.2	-8.0		5.1	-8.0
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	7.5	-3.8	-3.4	-6.7	-5.2	-0.01	7.80		-3.4	7.8
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	2.1	5.1	0.9	3.3	6.5	9.7	5.6		0.9	5.6
&											
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	6.1	6.5	11.2	15.0	11.2		6.1	11.2
	Industri lain	12.0	-1.9	-1.0	-4.7	-2.9	0.9	6.2		-1.0	6.2
241											
(24101 &											
24102 &											
24103 &											
24104 &											
24109)											
242											
(24201 &											
24202 &											
24209)											
243	Pengacuan logam	0.4	-4.3	-3.7	-2.0	-6.8	-4.9	0.7		-3.7	0.7
251 &											
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	4.8	4.1	6.0	6.2	2.9	6.7		4.1	6.7
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan										
&											
25119	pintu pagar daripada logam	-4.4	5.9	5.7	9.2	9.3	-0.3	-2.6		5.7	-2.6
	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	9.3	3.5	1.3	2.5	2.4	7.8	22.1		1.3	22.1
	Industri lain	-1.0	4.0	6.0	3.5	5.2	1.6	1.8		6.0	1.8
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.7	5.8	4.1	4.4	6.2	8.4	7.5		4.1	7.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.8	-1.4	-5.0	-5.3	0.8	4.2	3.9		-5.0	3.9
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.3	-4.8	-2.9	-4.7	-5.0	-6.6	1.1		-2.9	1.1
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	13.4	16.8	19.8	16.7	16.5	14.7	16.2		19.8	16.2
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	14.2	10.2	5.1	12.6	10.4	13.0	17.3		5.1	17.3
&											
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-7.2	0.3	1.2	-5.3	-1.0	6.6	9.9		1.2	9.9
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.0	5.7	10.3	2.3	3.2	6.9	-0.6		10.3	-0.6
	Industri lain	-29.1	13.4	-10.2	11.7	27.2	32.5	2.4		-10.2	2.4
261	Pembuatan komponen dan papan elektronik	3.5	0.4	1.5	3.2	-1.2	-1.7	-7.5		1.5	-7.5
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya										
&											
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	1.8	0.6	1.2	1.1	0.9	-0.8	-5.0		1.2	-5.0
26103	Pembuatan kapasitor dan perintang elektrik										
&											
26104	Pembuatan papan litar bercetak	7.2	0.3	2.3	7.9	-5.2	-3.6	-13.3		2.3	-13.3
&											
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	2.4	-0.9	-0.7	0.9	-4.3	0.3	2.0		-0.7	2.0
262											
(26201 &											
26202)											
263/											
26300	Pembuatan peralatan komunikasi	18.5	-0.7	8.7	0.8	-4.8	-7.1	-6.1		8.7	-6.1
264/											
26400	Pembuatan peralatan elektronik pengguna	17.7	-0.2	-0.1	-4.9	-1.2	5.1	-5.5		-0.1	-5.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	44.8	21.3	20.8	29.5	23.7	12.9	26.5		20.8	26.5
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	48.2	22.4	22.2	31.3	24.6	13.5	28.5		22.2	28.5
&											
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	11.3	6.8	6.6	6.1	11.3	3.1	2.4		6.6	2.4
266/											
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.5	-1.2	7.2	4.3	-8.0	-7.8	2.5		7.2	2.5

2023											2024					Group Description/Period				
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac						
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	6.1	Manufacture of non-metallic mineral products Manufacture of refractory mortars and concretes					
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	18.2						Manufacture of non-refractory ceramic
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	1.5	Manufacture of other porcelain and ceramic products					
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	-13.2						Manufacture of hydraulic cement
-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	11.1	Manufacture of ready-mix and dry-mix concrete and mortars					
																				Manufacture of precast concrete, cement or artificial stone articles for use in construction
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	4.51	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	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	7.0	Manufacture of other non-metallic mineral products n.e.c.					
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	7.0						Other industry
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	-0.4	Manufacture of basic iron and steel					
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	5.3	Manufacture of basic precious and other non-ferrous metals					
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	-2.0	Casting of 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	4.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition					
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	-5.7						Manufacture of metal doors, windows and their frames, shutters and gates
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	20.9	Manufacture of tanks, reservoirs and containers of metal					
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	-1.0						Other industry
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	8.02	Manufacture of other fabricated metal products; metal working service activities					
-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	6.0						Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-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	4.1	Treatment and coating of metals; machining					
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	15.4						Manufacture of tins and cans for food products, collapsible tubes and boxes
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	17.9	Manufacture of metal cable, plaited bands and similar articles					
-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	8.8						Manufacture of bolts, screws, nuts and similar threaded products
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	0.4	Manufacture of metal household 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	-8.1						Manufacture of any other fabricated metal products n.e.c.
-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	-9.0	Other industry					
-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	-7.0						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					
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	-14.3						Manufacture of printed circuit boards
															Manufacture of display components					
-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	0.7						Manufacture of other components for electronic applications
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	5.8	Manufacture of computers and peripheral equipment					
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	-5.6	Manufacture of communication equipment					
-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	-19.0	Manufacture of consumer electronics					
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	28.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks					
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	30.4						Manufacture of measuring, testing, navigating and control equipment
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	4.0	Manufacture of industrial process control equipment					
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	4.8						Manufacture of watches and clocks and parts
															Manufacture of irradiation, electromedical and electrotherapeutic equipment					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Mac)	(Jan. - Mac)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	26.6	-0.1	3.1	-6.8	-1.8	5.5	10.7		3.1	10.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.0	-0.4	-1.7	3.9	-1.2	-2.3	-1.9		-1.7	-1.9
27101	Pembuatan motor elektrik, penjana dan transformer	5.2	3.2	2.5	0.6	2.0	7.8	10.8		2.5	10.8
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-8.9	-2.7	-3.9	6.1	-3.3	-8.5	-9.1		-3.9	-9.1
272/ 27200	Pembuatan bateri dan akumulator	10.0	14.2	14.8	15.6	16.0	10.8	5.7		14.8	5.7
273	Pembuatan pendawaian dan peranti pendawaian	13.0	-5.6	2.0	-1.6	-6.3	-15.9	-15.8		2.0	-15.8
27310	Pembuatan kabel gentian optikal	24.2	10.4	11.8	26.8	9.4	-2.2	3.8		11.8	3.8
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	12.6	-6.4	2.5	-2.9	-7.2	-17.3	-18.2		2.5	-18.2
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1.9	-20.1	-26.6	-21.1	-18.6	-13.0	10.8		-26.6	10.8
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12.5	0.6	-1.3	-2.3	2.2	3.1	14.3		-1.3	14.3
275/ 27500	Pembuatan perkakasan domestik	-24.1	-9.3	-24.1	-17.3	1.1	9.7	1.9		-24.1	1.9
279/ 27900	Pembuatan kelengkapan elektrik lain	31.8	12.4	30.3	14.1	7.6	1.4	0.3		30.3	0.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.1	0.6	2.3	0.9	0.2	-0.9	-1.5		2.3	-1.5
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.1	3.7	1.5	6.7	4.8	2.1	-31.0		1.5	-31.0
28180 & 28220	Pembuatan pam, pemampat, kepala paip dan injap lain	0.1	-2.2	-3.2	-0.1	-2.0	-3.3	-1.8		-3.2	-1.8
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.1	-2.2	-3.2	-0.1	-2.0	-3.3	-1.8		-3.2	-1.8
28192	Pembuatan jentera pembentukan logam dan alatan mesin	7.8	-14.3	2.6	-12.2	-22.2	-23.9	-2.0		2.6	-2.0
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.8	-14.3	2.6	-12.2	-22.2	-23.9	-2.0		2.6	-2.0
28290	Pembuatan mesin bertujuan khas t.t.t.l.	-5.3	-2.3	-4.5	4.5	0.4	-9.0	-12.0		-4.5	-12.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	5.5	8.1	7.0	4.3	9.5	11.6	6.4		7.0	6.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	9.0	-3.7	-5.4	-5.8	-0.9	-2.7	-3.5		-5.4	-3.5
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	21.7	16.6	25.5	6.5	15.0	20.0	9.3		25.5	9.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.0	4.2	0.4	7.0	5.3	4.0	2.6		0.4	2.6
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.6	11.0	2.8	7.4	13.4	21.3	17.2		2.8	17.2
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.	6.3	-0.3	2.3	-0.2	-2.4	-0.7	-1.0		2.3	-1.0
30910	Pembuatan motosikal	10.7	0.04	-0.4	-2.9	-1.4	5.3	2.3		-0.44	2.28
30920	Pembuatan basikal dan <i>invalid carriages</i>	-8.4	-12.5	3.4	0.2	-21.2	-31.0	-30.9		3.4	-30.9
30920	Industri lain	5.4	6.2	8.8	7.0	6.0	3.1	7.7		8.8	7.7
310	Pembuatan perabot	5.4	5.1	3.8	4.2	6.1	6.4	1.7		3.8	1.7
31001	Pembuatan perabot kayu dan rotan	9.3	8.2	6.9	8.9	8.8	8.3	2.9		6.9	2.9
31001	Industri lain	-7.4	-6.8	-7.8	-12.8	-4.5	-1.4	-3.8		-7.8	-3.8
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	4.4	-1.7	-0.9	-3.3	-0.8	-1.7	-0.2		-0.9	-0.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.5	0.7	-3.4	-0.3	0.5	6.0	6.9		-3.4	6.9
32901	Pembuatan alat tulis	1.5	-3.6	-6.7	-8.4	0.8	0.3	0.1		-6.7	0.1
32901	Industri lain	1.5	1.8	-2.6	2.0	0.5	7.5	8.7		-2.6	8.7
323/ 32300	Pembuatan barangan sukan	1.3	-4.6	5.2	1.9	-8.9	-16.2	-17.1		5.2	-17.1
324/ 32400	Pembuatan permainan dan mainan	28.2	11.5	17.4	21.7	5.0	4.3	-13.6		17.4	-13.6
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.7	6.7	7.5	7.4	8.5	3.6	0.9		7.5	0.9
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2.9	13.3	16.1	12.2	9.7	14.8	7.2		16.1	7.2
33150	Industri lain	5.2	4.9	5.2	6.2	8.2	0.4	-0.9		5.2	-0.9
Jumlah Pembuatan		5.2	3.5	4.3	3.6	3.0	2.9	1.2		4.3	1.2

2023											2024					Group Description/Period				
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac						
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	10.9	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	-3.7	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	14.0	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	-12.9	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	7.1	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	-13.6	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	4.2	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	-15.8	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	8.1	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	28.5	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	2.7	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	2.8	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	-1.6	Manufacture of general-purpose and special-purpose machinery					
															Manufacture of fluid power equipment					
-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	-33.1	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	-8.8	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	-0.8	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	-9.2	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	9.0	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	-5.5	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	10.5	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	1.4	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	12.0	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	0.3	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	3.5	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	-32.5	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	11.0	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	1.9	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	3.5	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	-5.2	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	1.8	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	9.7	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	-2.1	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	12.8	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	-18.4	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	-10.8	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	1.0	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	8.4	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	-1.0	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	0.7	Total Manufacturing					

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

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

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
0.5	-3.4	2.3	4.4	0.6	-0.01	0.1	-3.3	-6.2	0.3	Processing and preserving of meat
0.1	1.2	-0.5	1.3	-0.5	-1.0	2.1	-1.5	-1.9	-1.3	Processing and preserving of fish, crustaceans and molluscs
-0.4	1.6	-1.7	1.0	-1.0	-1.9	2.5	-2.4	-1.7	-2.0	Canning of fish, crustaceans and molluscs
2.4	-0.8	4.6	2.7	1.3	2.5	0.7	2.1	-2.9	1.4	Processing, curing and preserving of fish, crustacean and molluscs
0.03	-2.1	-4.9	0.9	-0.5	-0.6	-1.4	4.6	-3.3	5.5	Processing and preserving of fruits and vegetable
-3.1	-3.4	-2.7	-3.4	-3.5	2.1	1.7	1.9	-4.0	4.4	Pineapple canning
0.3	-2.0	-5.0	1.2	-0.2	-0.8	-1.7	4.8	-3.3	5.6	Manufacture of jams, marmalades and table jellies
-0.7	2.5	-3.4	4.1	1.1	-2.4	11.6	-5.9	0.3	-3.3	Other industry
1.8	-9.4	3.7	2.5	0.6	-2.1	0.8	1.3	-1.2	1.4	Manufacture of vegetable and animal oils and fats
0.4	10.3	1.3	1.4	-1.5	-1.6	-1.2	0.2	-0.6	5.8	Manufacture of crude and refined vegetable oil
-0.9	3.2	-4.1	4.3	1.3	-2.4	12.9	-6.6	0.4	-4.0	Manufacture of compound cooking fats
2.1	-8.7	5.7	3.0	-2.8	2.2	13.6	2.1	-14.9	5.9	Manufacture of dairy products
2.3	-9.7	6.0	3.0	-3.3	2.1	16.7	2.6	-16.3	6.0	Manufacture of condensed, powdered and evaporated milk
0.6	-0.2	3.0	2.8	1.1	3.2	-7.3	-2.5	-1.4	5.0	Other industry
4.7	-2.9	-1.9	-0.3	-1.1	-1.9	6.0	1.2	-13.6	0.8	Manufacture of grain mill products, starches and starch products
-1.3	2.9	-3.0	0.2	-1.2	-4.0	0.7	4.5	-3.6	1.2	Rice milling
11.9	-8.9	-0.5	-0.6	-1.4	0.3	11.0	-1.4	-24.3	0.2	Flour milling
0.2	-0.3	-3.9	-1.3	2.3	-1.5	9.8	-3.1	-8.3	2.1	Other industry
-0.1	1.6	2.0	3.3	0.2	0.5	4.9	-3.9	-3.1	-0.6	Manufacture of other food products
-0.1	6.0	0.5	1.9	-0.9	1.7	1.3	-4.5	-3.6	-0.9	Manufacture of biscuits and cookies
-2.0	3.8	-0.2	2.6	-0.9	1.8	1.3	-4.1	1.4	-6.6	Manufacture of bread, cakes and other bakery products
3.6	0.2	3.5	3.1	1.2	-0.2	6.4	0.2	-1.3	2.7	Manufacture of snack products
-3.3	-1.2	4.3	4.1	3.2	-3.7	10.1	-9.8	7.1	-1.3	Manufacture of sugar
-1.8	7.7	-0.5	0.6	-0.4	0.3	2.4	-1.3	-14.7	3.8	Manufacture of cocoa products
-0.3	3.3	5.7	5.2	3.1	1.8	4.4	-6.8	-6.0	0.9	Manufacture of chocolate and chocolate products
3.5	-2.8	7.8	4.4	0.1	0.1	15.7	-7.0	3.7	11.0	Manufacture of sugar confectionery
0.9	1.0	2.0	5.6	0.0	-0.04	5.6	-2.4	-15.6	2.4	Manufacture of sauces and condiments
-0.4	-0.3	1.1	2.4	0.3	-0.6	4.8	-2.8	-2.3	-2.8	Manufacture of other food products n.e.c.
-1.8	2.7	-1.7	1.2	1.4	3.1	8.0	-6.3	-9.1	-3.1	Other industry
-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	Manufacture of prepared animal feeds
-0.9	-1.4	-3.1	7.3	0.2	7.6	6.6	-8.1	-3.2	0.4	Manufacture of beverages
-0.3	0.6	7.0	6.1	0.8	-2.1	0.7	3.1	-3.2	0.4	Manufacture of soft drinks
-0.6	2.5	17.4	9.5	-0.3	-0.02	12.4	0.7	1.6	0.5	Production of natural mineral waters and other bottled waters
-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	Other industry
-1.2	1.4	2.2	0.7	-1.4	1.2	2.2	-2.1	-6.6	0.7	Manufacture of tobacco products
-1.4	4.3	0.6	-0.05	-1.8	1.9	2.6	-1.5	-9.8	1.2	Spinning, weaving and finishing of textiles
-1.2	-5.8	7.0	2.7	-0.2	-0.04	1.7	-4.0	0.1	-0.5	Preparation and spinning of textile fibres
6.8	2.5	-1.5	-1.6	-2.2	-4.2	-4.4	0.6	13.3	-1.5	Weaving of textiles
-1.3	-1.0	0.02	1.2	0.8	-0.4	0.5	0.2	-3.1	3.6	Dyeing, bleaching, printing and finishing of yarns and fabrics
-0.3	-5.0	1.6	0.7	2.6	0.2	-1.4	-5.1	-5.9	8.4	Other industry
-1.7	0.5	-0.6	1.4	0.1	-0.7	1.2	2.2	-2.1	1.9	Manufacture of other textiles
-4.3	0.6	-1.2	4.1	-0.8	7.4	7.9	-3.4	-6.6	0.8	Manufacture of knitted and crocheted fabrics
-5.9	2.7	-2.5	4.1	-0.7	10.1	11.7	-3.1	-7.2	1.1	Other industry
-1.0	-3.5	1.6	4.2	-1.0	1.9	-0.5	-4.0	-5.1	0.2	Manufacture of wearing apparel, except fur
-1.0	1.5	1.3	0.5	-1.3	2.3	-0.5	2.3	-2.0	2.7	Manufacture of clothings
-1.8	-1.3	-0.4	4.8	1.9	-2.4	6.6	-6.7	-2.5	2.8	Other industry
-1.9	-4.6	3.0	5.6	0.8	1.7	-0.02	2.1	0.15	-3.77	Manufacture of articles of fur, knitted and crocheted apparel
-1.5	-6.0	1.1	5.3	0.5	-1.1	-0.4	0.3	1.0	-5.8	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-2.8	-1.1	7.3	6.5	1.5	7.6	0.7	5.8	-1.4	0.0	Manufacture of footwear
-1.0	5.0	-1.7	1.5	2.0	-0.8	-0.03	0.1	2.63	1.43	Manufacture of leather footwear
										Manufacture of rubber footwear
										Other industry
										Sawmilling and planning of wood

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

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

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
-2.2	2.4	1.3	0.3	0.8	0.8	1.4	0.2	-2.0	-1.0	Manufacture of products of wood, cork, straw and plaiting materials
-3.0	6.2	1.0	0.4	0.1	2.4	-0.9	0.6	-2.8	-3.0	Manufacture of veneer sheets and plywood
-7.2	6.1	5.2	-1.7	1.0	4.5	1.7	1.0	-0.6	0.8	Manufacture of particle board and fibreboard
1.0	-2.4	-0.2	-0.9	0.4	-4.6	-0.3	1.4	-0.9	0.0	Manufacture of builders' carpentry
0.6	-5.1	0.9	3.6	3.2	-0.4	11.0	-3.1	-2.3	1.9	Other industry
0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	Manufacture of paper and paper products
0.8	4.3	2.6	2.0	7.3	-1.3	0.7	-0.2	6.2	-0.7	Manufacture of pulp, paper and paperboard
-0.1	0.8	0.3	2.8	0.7	-1.3	-0.03	2.2	-1.96	-0.16	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.6	-3.2	-0.6	4.0	3.0	1.9	1.7	-1.8	-4.1	5.8	Manufacture of envelopes and letter-card
0.3	-9.8	6.3	3.7	1.5	-3.6	14.6	-1.6	7.6	-5.6	Manufacture of household and personal hygiene paper
1.7	-0.2	-3.0	0.7	1.7	-0.6	-1.4	-6.3	1.2	-2.7	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1.1	0.7	0.8	2.1	0.8	-0.1	12.9	-10.2	-2.4	-1.1	Other industry
-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	Printing, service activities related to printing and reproduction of recorded media
-1.6	-2.5	0.4	-2.6	0.8	3.5	7.9	-6.5	4.2	-0.5	Printing
-0.7	-2.3	2.3	-4.8	1.5	-0.2	3.9	8.4	-2.8	-1.9	Service activities related to printing
										Reproduction of recorded media
4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	Manufacture of refined petroleum products
4.4	-0.5	-3.2	-1.6	1.4	0.4	6.3	-4.4	-4.1	4.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
1.3	9.8	0.9	2.2	2.8	-0.1	-0.7	-10.9	-1.7	0.7	Manufacture of liquefied or compressed inorganic industrial or medical gases
9.1	-2.8	-4.9	-3.3	2.1	1.2	8.7	-15.5	-2.5	2.6	Manufacture of basic organic chemicals
										Manufacture of inorganic compounds
										Manufacture of fertilizers
-0.4	-3.6	-3.6	-1.4	-0.8	-2.4	0.3	3.0	-7.3	16.0	Manufacture of associated nitrogen products
-0.8	1.4	-2.4	-0.8	0.3	0.8	6.2	15.9	-5.6	5.4	Manufacture of plastics in primary forms
1.3	-4.7	3.2	2.8	1.0	-6.8	13.3	6.9	-8.9	-5.4	Other industry
0.4	3.1	0.9	-1.0	0.2	-1.5	9.7	-4.2	6.4	1.1	Manufacture of other chemical products and man-made fibres
1.6	-4.7	-12.8	6.4	5.5	-1.9	4.1	0.6	1.2	13.7	Manufacture of pesticides and other agrochemical products
1.1	0.0	10.1	-2.6	-1.6	-3.3	8.3	0.7	16.8	-12.4	Manufacture of paints, varnishes and similar coatings ink and mastics
-3.5	2.3	-1.0	-2.6	-1.4	-0.2	-0.3	-8.9	2.9	-4.4	Manufacture of printing ink
1.3	3.2	1.8	-5.0	-3.1	-2.0	15.6	-11.9	12.6	4.0	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
-0.04	8.2	2.2	2.3	3.0	-0.4	9.3	0.4	-1.3	2.6	Manufacture of writing and drawing ink
										Manufacture of other chemical products n.e.c.
-3.1	4.8	-24.9	-9.2	-6.5	5.7	-2.8	0.9	5.3	-6.9	Other industry
0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	Manufacture of pharmaceuticals, medicinal chemical and botanical products
0.8	0.8	3.8	-1.8	2.6	-3.8	20.8	-16.8	-7.9	1.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-1.0	10.0	4.2	0.3	1.8	-3.1	-1.7	-8.5	0.2	3.8	Other industry
5.6	1.6	3.2	-3.7	-2.8	-0.7	-3.6	-1.3	-2.1	0.1	Manufacture of rubber products
-2.3	6.2	2.6	-3.4	-3.5	0.7	-1.4	0.3	-15.7	-9.8	Manufacture of rubber tyres for vehicles
-0.1	2.0	5.0	0.3	0.04	0.7	-1.5	0.1	-5.8	25.6	Manufacture of interchangeable tyre treads and retreading rubber tyres
-1.7	4.3	-0.7	2.2	-0.7	-0.8	2.3	-1.4	-9.4	12.4	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
11.9	-1.5	6.2	-6.7	-4.0	-0.3	-6.4	-2.1	3.6	-3.2	Rubber remilling and latex processing
2.6	5.1	-1.1	-1.5	-2.0	-2.8	-3.8	-0.3	1.2	-2.8	Manufacture of rubber gloves
-3.3	-0.6	0.6	0.1	0.2	0.8	2.1	-1.9	-2.3	0.8	Manufacture of plastics products
										Manufacture of semi-manufactures of plastic products
-5.2	-5.1	4.9	-0.4	-0.6	1.4	-0.5	-2.0	0.6	-8.7	Manufacture of finished plastic products
-4.6	2.3	-12.0	-1.8	-2.1	0.1	4.2	1.5	-6.7	10.5	Manufacture of plastic articles for the packing of goods
-5.7	-1.8	-13.2	2.0	1.6	-1.5	11.6	0.6	-9.2	11.1	Manufacture of builders' plastics ware
0.7	-3.7	5.1	-1.9	0.9	-6.3	3.0	0.8	1.5	3.9	Manufacture of plastic tableware, kitchenware and toilet articles
-0.5	2.6	8.3	2.7	2.7	2.3	2.4	-5.0	-2.1	2.0	Manufacture of diverse plastic products n.e.c.
-1.2	-0.1	-0.3	3.4	-2.0	-2.1	5.5	-3.8	-2.3	5.4	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	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1		Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.4	2.0	2.1	5.2	-3.0		-2.9	-4.4	2.3	-0.2	3.5
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-7.5	7.1	1.9	3.2	4.5		-12.3	-4.1	7.6	-0.7	4.8
23930	Pembuatan produk porselin dan seramik lain	-10.0	-5.0	4.6	0.3	-8.6		8.4	-23.6	-0.4	-0.2	8.7
23941	Pembuatan simen hidrolik	3.6	2.3	-2.7	0.1	-7.7		2.2	-7.0	-0.4	1.4	6.8
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-5.2	-1.3	2.6	4.2	2.2		-3.9	-2.2	-0.8	-0.8	0.9
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.	-1.6	3.5	3.3	4.3	-5.3		3.1	-5.7	4.2	0.3	4.0
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.0	0.1	3.6	12.0	-4.2		-9.9	2.3	-0.3	-6.2	10.1
	Industri lain	-7.8	4.4	-1.9	6.9	-3.0		-9.7	-2.9	4.7	6.9	-7.2
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	5.7	-5.5	-4.5	5.4	5.0		-0.3	-3.9	0.6	-3.2	-0.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	9.9	-7.9	-4.4	5.0	12.6		3.5	2.9	-4.5	-5.6	0.9
243	Pengacuan logam	-2.3	-3.9	-3.6	5.2	3.4		-0.4	-7.9	0.6	-0.5	-2.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.9	-0.9	0.4	1.6	5.6		-0.1	-0.8	1.1	-2.3	2.4
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	3.6	-1.0	-1.0	-1.9	1.2		-1.0	-0.4	2.5	-3.6	2.9
25120	Pembuatan produk struktur logam lain	-0.7	-0.3	2.5	6.3	12.4		0.4	-0.5	-1.3	-0.2	2.3
	Industri lain	2.0	-2.7	-0.2	2.6	2.1		2.5	-3.6	2.0	-2.5	0.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.6	-4.2	1.1	7.0	3.7		-0.4	1.3	-2.0	-4.0	2.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-2.2	-3.4	3.1	6.8	-2.4		-7.3	-2.2	-2.3	-0.4	1.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.9	-3.6	-7.4	2.7	10.3		-5.1	2.2	-4.7	-0.7	-0.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.3	-4.8	8.2	12.8	0.0		-3.2	-1.4	-2.9	-4.2	3.3
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	5.2	-1.4	1.2	7.6	9.3		-1.4	4.9	-0.8	-5.6	6.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya											
25994	Pembuatan barangan rumah daripada logam	0.7	-1.3	6.4	0.9	3.8		-0.5	-1.0	-0.2	-0.2	-0.7
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	12.3	-8.5	-0.9	5.0	4.3		11.3	-2.2	-1.3	-7.2	1.3
	Industri lain	15.9	-0.1	3.7	10.4	-10.5		-5.7	22.0	-1.9	0.02	-7.0
261	Pembuatan komponen dan papan elektronik	3.2	-3.4	-7.5	6.6	-2.8		-7.8	4.6	-2.7	-2.5	0.05
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	2.9	-2.7	-4.3	3.6	-1.4		-7.7	3.0	1.1	-2.4	-3.3
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik											
26104 & 26105	Pembuatan papan litar bercetak	3.6	-5.0	-13.4	13.0	-6.9		-8.6	8.1	-10.3	-2.8	7.1
26109	Pembuatan komponen paparan	5.3	0.1	-11.5	7.4	7.1		-1.4	0.1	2.0	-1.2	-0.7
26109	Pembuatan komponen lain untuk aplikasi elektronik											
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-5.1	-0.3	2.9	8.6	-5.8		-13.3	3.1	-8.7	4.8	5.3
263/ 26300	Pembuatan peralatan komunikasi	-0.2	-6.3	-9.9	10.3	0.8		-1.1	-3.1	0.8	-4.5	-4.5
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.9	-5.5	8.9	6.3	-13.6		-0.4	-7.3	7.1	-9.6	2.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-11.6	20.0	3.9	2.4	-0.9		-22.3	4.0	6.5	4.4	9.2
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-12.6	22.2	3.4	2.8	-1.1		-23.7	4.7	7.1	5.1	9.9
26520	Pembuatan kelengkapan kawalan proses perindustrian											
	Pembuatan jam tangan dan jam dan bahagiannya	2.7	-6.6	10.8	-2.9	2.0		-1.5	-4.6	0.03	-4.0	-0.6
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	2.3	1.3	-13.0	2.2	13.8		-7.7	4.8	-3.0	5.6	-4.5

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
-0.2	-0.4	0.4	3.6	0.3	2.0	2.8	-3.6	-3.5	1.5	Manufacture of non-metallic mineral products
										Manufacture of refractory mortars and concretes
2.8	-3.0	1.9	0.9	-0.1	-2.9	12.5	-4.2	-0.1	6.1	Manufacture of non-refractory ceramic
-1.5	1.0	2.2	0.8	-2.4	0.6	3.5	-12.0	1.6	0.4	Manufacture of other porcelain and ceramic products
-2.5	-1.4	-4.6	4.1	-4.3	1.2	7.9	1.5	-20.6	-0.3	Manufacture of hydraulic cement
0.7	-0.2	0.2	5.4	-1.1	1.1	3.0	0.2	-2.4	3.9	Manufacture of ready-mix and dry-mix concrete and mortars
										Manufacture of precast concrete, cement or artificial stone articles for use in construction
-0.6	2.8	-2.0	3.0	0.5	6.0	-4.4	-1.6	-5.1	2.2	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
										Manufacture of other articles of concrete, cement and plaster n.e.c.
-1.4	-4.9	7.7	4.0	3.6	-0.4	9.4	-9.1	2.1	-5.9	Manufacture of other non-metallic mineral products n.e.c.
1.4	-2.4	0.9	4.7	2.3	-1.5	6.4	-7.7	-0.1	4.3	Other industry
-3.7	-3.0	0.6	1.9	-0.8	0.3	13.5	1.3	-8.1	2.5	Manufacture of basic iron and steel
-2.7	-1.8	-2.9	2.3	1.1	0.5	8.8	5.0	3.7	-3.4	Manufacture of basic precious and other non-ferrous metals
1.3	-5.9	2.0	2.9	2.1	-2.1	5.8	3.8	-1.9	-6.4	Casting of metals
-1.9	1.1	-0.4	-0.2	-0.9	0.4	7.7	3.6	-4.1	-0.8	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-2.2	0.8	-1.1	-1.4	-1.4	-0.5	3.5	4.9	-9.5	2.6	Manufacture of metal doors, windows and their frames, shutters and gates
-1.6	2.4	-0.2	1.6	-1.2	1.7	15.9	2.8	-0.4	-2.8	Manufacture of other structural metal products
-1.2	-1.1	2.7	-0.3	2.0	0.2	-0.5	0.2	7.1	-7.2	Manufacture of tanks, reservoirs and containers of metal
										Other industry
-1.9	-0.5	1.8	2.9	1.5	0.2	8.0	-1.1	-0.3	-0.4	Manufacture of other fabricated metal products; metal working service activities
-4.4	3.1	3.4	1.3	0.8	-0.6	13.0	-8.6	-2.1	0.6	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.3	-0.9	-9.4	-0.3	-0.9	-1.1	24.7	-5.4	2.7	-0.7	Treatment and coating of metals; machining
-1.2	0.2	8.5	5.6	1.5	7.4	-1.4	0.3	-0.3	-4.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
-1.6	-0.7	0.01	3.2	3.2	-0.6	7.6	2.0	3.0	0.9	Manufacture of metal cable, plaited bands and similar articles
										Manufacture of bolts, screws, nuts and similar threaded products
-0.7	7.4	-0.8	0.8	-0.01	-0.5	3.1	1.4	2.5	-3.4	Manufacture of metal household articles
-1.9	-3.6	3.9	3.1	1.7	-2.2	4.2	3.7	-2.1	0.3	Manufacture of any other fabricated metal products n.e.c.
-1.1	-0.3	7.6	6.5	0.3	0.9	7.8	-6.8	-12.4	-1.7	Other industry
-1.6	-8.5	1.6	3.3	-0.4	-0.5	13.5	-9.6	0.3	-3.1	Manufacture of electronic components and boards
0.7	-5.2	2.0	0.9	-0.7	-2.4	14.0	-9.2	1.4	-1.3	Manufacture of diodes, transistors and similar semiconductor devices
										Manufacture of electronic integrated circuits micro assemblies
										Manufacture of electrical capacitors and resistors
-6.3	-15.4	3.0	7.7	-0.3	3.8	12.7	-11.9	-1.2	-7.7	Manufacture of printed circuit boards
										Manufacture of display components
1.1	-6.3	-13.2	9.9	3.9	-2.9	12.2	3.0	-5.2	2.7	Manufacture of other components for electronic applications
-9.9	6.3	-0.2	6.5	-1.4	-0.1	17.6	-13.1	-0.5	-6.1	Manufacture of computers and peripheral equipment
4.9	-16.1	10.6	-4.0	-0.9	21.1	-8.2	-1.5	3.9	-1.9	Manufacture of communication equipment
2.4	-1.1	7.1	8.0	-0.4	-0.3	-1.6	0.5	-14.8	-10.7	Manufacture of consumer electronics
7.4	-3.9	-0.5	1.7	-0.8	-0.1	6.9	-12.2	8.1	7.2	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
										Manufacture of measuring, testing, navigating and control equipment
8.0	-4.9	-0.3	1.8	-0.9	0.1	7.5	-13.1	8.7	7.6	Manufacture of industrial process control equipment
-2.4	14.8	-2.8	0.4	0.4	-3.1	-1.7	4.6	-0.6	0.2	Manufacture of watches and clocks and parts
-1.9	-8.6	-3.1	-0.2	-0.3	-1.9	15.3	1.3	4.3	0.4	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	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	0.6	-2.3	0.7	6.5	5.6	-9.7	-2.3	11.3	-8.1	-2.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1.8	-7.0	3.1	0.1	2.1	-1.7	-6.5	2.4	-9.3	4.8
27101	Pembuatan motor elektrik, penjana dan transformer	-3.9	2.5	6.1	3.1	-1.2	4.8	-12.2	-1.7	3.5	5.1
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.2	-12.3	1.2	-2.0	4.5	-5.3	-3.0	4.6	-16.0	4.6
272/ 27200	Pembuatan bateri dan akumulator	4.6	-2.4	7.0	1.4	-0.2	-2.7	6.9	-3.1	-6.0	10.2
273	Pembuatan pendawaian dan peranti pendawaian	-5.4	-3.4	1.7	-9.5	-5.3	-4.8	-0.7	-5.1	-6.1	6.6
27310	Pembuatan kabel gentian optikal	-16.0	13.9	3.9	-1.6	-10.9	-22.4	1.2	-2.3	3.3	17.1
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.3	-4.9	1.4	-10.4	-5.4	-3.5	-0.8	-5.4	-6.7	5.3
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-11.2	-1.4	4.1	-4.6	13.1	10.0	-0.2	-2.5	-10.1	17.6
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-8.0	-11.2	21.4	4.1	1.9	-6.3	-3.6	-15.5	-5.3	6.5
275/ 27500	Pembuatan perkakasan domestik	5.8	4.2	8.5	-8.2	-1.8	1.9	4.8	-1.4	-20.1	44.6
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-10.9	3.3	9.3	-0.3	-6.3	-3.9	-5.4	-10.7	3.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.1	-6.0	0.4	5.0	-0.8	-4.4	-2.1	-3.6	-2.1	-0.7
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-10.1	4.4	2.5	6.1	-39.2	-20.3	-1.5	1.5	2.2	2.5
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-8.5	-0.5	1.8	4.4	-7.1	-8.9	-4.3	4.3	-3.7	2.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-8.4	-18.4	-2.7	4.7	17.9	-19.8	5.0	-3.6	-16.8	-1.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	8.9	-5.2	-12.3	0.5	5.3	-0.5	0.9	-10.2	2.4	-1.2
		7.2	-5.7	3.9	6.3	2.2	6.9	-4.6	-5.8	2.1	-2.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-8.5	1.3	1.8	3.2	-9.3	-15.3	0.6	-7.9	5.2	2.0
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	5.1	-4.5	10.8	7.9	-4.2	4.6	-0.8	-8.7	0.6	2.6
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-1.2	7.0	-5.4	4.0	-2.5	-8.6	3.1	1.6	3.8	1.7
301 (30110 & 30120)	Pembinaan kapal dan bot	11.6	-1.3	1.3	8.7	7.9	2.6	1.7	19.2	-14.9	4.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	3.1	-0.8	-4.4	1.5	2.7	1.5	2.1	0.9	-0.9	0.5
30910	Pembuatan motosikal	4.1	1.1	-2.2	2.2	1.2	3.3	3.7	0.9	1.1	-0.4
30920	Pembuatan basikal dan <i>invalid carriages</i>	-2.3	-5.2	-20.2	-6.7	-2.2	-6.4	0.7	2.1	-4.4	-1.7
	Industri lain	3.8	-2.7	-1.2	3.4	8.4	1.8	-0.6	0.3	-3.7	3.9
310	Pembuatan perabot	5.5	-4.0	0.7	4.4	0.8	5.6	-3.3	-0.7	-3.0	2.8
31001	Pembuatan perabot kayu dan rotan	6.5	-2.8	0.6	4.1	1.2	7.0	-3.8	-0.7	-3.7	6.1
	Industri lain	1.3	-9.0	1.5	5.4	-1.2	-0.1	-0.9	-0.5	-0.4	-10.6
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-2.8	-9.8	1.6	10.3	-1.3	-15.4	-5.0	2.9	-2.0	-7.9
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-2.1	0.4	2.8	5.0	-1.4	-2.8	-1.2	-3.2	-0.9	7.3
32901	Pembuatan alat tulis	0.4	-2.9	8.1	-4.8	0.1	-3.8	5.6	-2.4	-6.0	5.5
	Industri lain	-2.8	1.3	1.4	7.6	-1.7	-2.5	-2.9	-3.4	0.5	7.8
323/ 32300	Pembuatan barangan sukan	1.5	-7.2	-10.9	-0.1	0.3	-0.9	5.5	0.2	-8.8	4.6
324/ 32400	Pembuatan permainan dan mainan	-1.8	4.0	0.3	1.8	-18.7	-12.4	-0.4	6.6	-7.1	8.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.8	-0.9	-4.8	4.8	2.1	0.3	0.9	-0.3	1.8	-2.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6.2	-5.0	-9.3	25.6	-0.9	-4.5	6.0	-4.1	-1.2	-3.2
	Industri lain	4.4	0.2	-3.6	-0.5	3.0	1.7	-0.6	0.9	2.6	-2.1
Jumlah Pembuatan		0.8	-1.4	-0.4	4.0	-0.9	-4.4	-0.2	0.1	-1.9	1.0

2024										Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
5.6	-4.5	2.1	3.8	0.4	0.8	6.5	-4.1	3.6	8.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.3	2.5	-1.2	-1.1	-2.1	-2.4	15.2	-2.8	-4.3	-1.5	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
3.9	-2.4	5.0	2.7	0.4	-2.3	2.3	5.5	-11.4	2.1	Manufacture of electric motors, generators and transformers
-2.0	5.8	-5.0	-3.7	-4.0	-2.4	25.2	-8.1	0.8	-3.9	Manufacture of electricity distribution and control apparatus
-8.5	8.0	1.6	2.2	-0.01	-0.4	-1.0	-6.5	13.5	-3.8	Manufacture of batteries and accumulators
6.7	-4.8	1.7	-2.4	-4.1	-5.0	-3.8	0.9	-2.8	-0.4	Manufacture of wiring and wiring devices
0.5	-1.6	-0.5	1.7	2.1	-12.0	12.2	-13.5	0.3	-1.3	Manufacture of fibre optic cables
7.5	-5.1	1.8	-2.8	-4.8	-4.4	-5.5	2.2	-3.4	0.1	Manufacture of other electronic and electric wires and cables
-0.3	-4.1	6.4	-2.4	-3.7	-1.2	-1.4	13.7	6.0	-8.7	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
6.3	9.8	7.2	-2.1	-2.6	-3.4	25.3	-8.8	-3.4	0.0	Manufacture of electric lighting equipment
-0.3	-1.8	1.7	-5.4	-5.2	-1.0	1.7	-3.4	0.3	2.0	Manufacture of domestic appliances
7.1	-5.0	2.1	3.9	4.4	-6.2	17.5	-0.8	-12.8	3.3	Manufacture of other electrical equipment
-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	Manufacture of general-purpose and special-purpose machinery
-0.1	0.1	2.6	-0.3	0.3	-5.1	27.0	-45.6	-2.4	-2.7	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
1.2	-1.5	2.3	0.8	-0.9	2.5	6.8	-9.6	1.1	-9.2	Manufacture of metal-forming machinery and machine tools
-1.6	-0.4	-1.9	1.0	0.8	1.2	9.3	5.8	9.2	-3.8	Manufacture of air-conditioning machines, including for motor vehicles
0.3	-1.3	-17.4	2.4	3.9	-1.7	9.3	5.9	-7.7	-1.7	Manufacture of other special-purpose machinery
-2.2	-0.4	9.6	1.0	1.2	-1.2	6.2	2.6	-4.7	-2.5	Other industry
0.9	-1.2	3.5	-1.6	0.1	-1.3	11.7	-12.0	-0.6	-10.2	Manufacture of motor vehicles
-1.6	1.7	11.1	4.9	-0.6	-0.3	5.8	-5.1	-0.2	-7.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.2	-4.7	-1.9	0.2	1.0	0.2	9.9	-9.9	2.3	0.2	Manufacture of parts and accessories for motor vehicles
-0.5	-2.0	2.0	2.4	0.9	7.6	0.9	2.8	-3.9	14.2	Building of ships and boats
-4.6	0.01	-3.8	3.2	2.5	-3.8	2.4	-0.3	2.6	2.7	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-4.7	-1.8	2.1	5.0	2.5	-7.4	2.7	0.9	-0.9	5.1	Manufacture of motorcycles
-3.9	-1.2	-25.2	1.0	-2.9	9.3	0.01	-4.7	0.21	-1.25	Manufacture of bicycles and invalid carriages
-4.5	5.2	-6.4	-0.4	4.7	0.3	2.9	-1.2	11.9	-0.9	Other industry
-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.0	-3.1	-0.5	Manufacture of furniture
-3.9	-0.5	0.8	3.5	-0.4	0.2	5.4	-0.1	-3.3	-0.2	Manufacture of wooden and cane furniture
-3.3	6.4	0.4	3.5	2.0	1.0	0.6	0.2	-2.3	-2.0	Other industry
-9.0	11.0	-0.8	2.9	1.1	9.4	3.2	-9.1	4.4	1.1	Manufacture of jewellery, bijouterie and related articles
-2.4	-0.2	2.9	1.1	0.6	-0.3	8.5	-6.8	0.8	-0.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-1.4	4.1	7.6	-5.7	-3.1	-2.1	3.7	-0.6	0.0	-2.9	Manufacture of stationery
-2.7	-1.3	1.6	3.0	1.6	0.2	9.7	-8.2	0.9	0.2	Other industry
-9.0	6.3	-15.9	-5.3	15.1	-5.3	-2.3	5.2	-3.0	2.1	Manufacture of sports goods
4.3	-9.0	6.1	0.8	-3.3	-7.3	24.8	-30.4	-0.2	11.9	Manufacture of games and toys
-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-2.6	-8.0	1.5	1.3	3.7	18.3	18.2	-19.3	9.3	-3.8	Repair and maintenance of transport equipment except motorcycles and bicycles
-4.0	0.3	-0.8	-0.1	-0.3	-0.1	0.7	3.5	-1.9	1.4	Other industry
-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	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.	Mac
498	497	454	473	462	441	422	446	567	487	615
1,465	1,601	1,850	1,803	1,783	2,096	1,800	1,914	1,631	1,412	1,518
751	750	732	728	725	756	606	567	668	516	694
622	723	605	604	604	677	509	502	504	398	571
1,468	1,433	1,211	1,381	1,401	1,422	1,456	1,391	1,666	1,626	1,996
994	1,129	1,058	1,040	999	948	941	962	1,044	675	697
1,534	1,347	1,452	1,386	1,524	1,510	1,462	1,397	1,769	1,800	1,980
6,469	6,385	7,328	6,950	7,412	7,159	5,080	5,071	5,652	4,005	4,075
11,815	12,823	12,757	13,017	13,524	14,566	14,449	13,617	13,488	11,799	10,637
5,076	6,226	6,424	6,707	6,490	7,258	6,380	5,529	6,562	7,018	6,092
40,776	36,215	33,837	33,729	40,055	43,327	42,980	47,291	46,502	38,326	50,909
37,643	44,054	51,633	44,616	45,341	39,115	36,164	39,118	39,248	39,708	41,263
8,696	10,086	12,117	11,923	12,666	12,224	12,260	10,887	10,958	9,516	9,001
58,584	50,174	51,666	50,109	64,642	52,051	49,452	49,901	47,524	53,086	54,190
10,643	8,663	9,412	8,246	8,253	7,252	7,443	7,880	7,803	7,577	8,487
78,311	77,293	80,987	89,958	89,306	88,539	96,778	89,540	88,728	90,120	63,457
49,754	53,949	60,276	50,333	47,111	46,071	49,337	41,773	46,866	74,165	68,821
20,393	18,568	19,258	18,613	20,594	19,775	21,985	20,962	23,469	24,119	20,683
5,803	7,115	7,630	8,228	8,359	8,189	8,088	8,136	9,773	9,247	7,351
466	434	360	329	352	386	332	283	281	285	345
187,501	171,765	198,292	209,858	200,231	207,465	216,561	232,064	216,342	175,096	192,375
10,074	7,413	7,502	8,099	7,511	6,902	6,865	6,180	6,922	6,888	8,175
10,765	9,412	8,173	8,475	8,984	11,140	10,517	10,905	11,728	12,730	12,957
167,322	164,979	171,212	156,720	164,787	167,954	159,152	180,360	167,446	155,467	176,536
29,377	30,923	31,143	31,421	31,463	31,577	30,400	37,818	38,301	32,522	34,378

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

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	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.	Mac
172,234	146,375	150,214	154,858	155,300	161,386	164,059	170,320	175,017	153,946	164,805
60,080	60,220	67,817	69,401	81,544	69,223	64,516	54,870	45,346	52,690	39,526
3,430	3,275	2,949	3,245	3,323	3,719	4,604	4,025	4,101	5,339	4,819
283	125	101	101	124	132	102	79	100	95	131
1,305	1,367	1,425	1,294	1,180	1,369	1,349	1,230	1,442	1,269	1,255
311	305	292	255	241	215	215	208	290	277	299
196	203	202	204	187	177	167	148	155	151	193
142	133	124	114	135	179	159	133	120	121	132
10,548	11,362	14,403	12,517	13,063	10,158	10,016	8,422	7,802	7,162	11,162
9,678	9,024	9,828	9,252	10,871	14,158	9,486	7,598	9,522	10,698	10,113
28,378	24,596	20,735	21,600	20,446	21,385	17,294	13,618	16,941	19,245	17,694
118,195	119,393	175,173	273,432	249,702	270,590	297,108	297,999	242,756	287,791	250,672
393,850	397,296	380,932	386,102	364,623	400,666	417,093	400,847	414,852	461,286	476,305
4,493	3,220	3,087	3,923	3,954	4,696	4,575	3,887	3,118	3,343	4,054
623	389	310	319	362	399	379	537	808	723	699
26,999	25,885	24,416	26,382	26,263	25,534	26,713	25,592	26,400	28,551	26,511
7,328	7,444	7,421	7,380	6,659	5,981	7,484	7,160	6,954	6,522	6,700
264	229	193	155	119	91	86	87	95	99	129
4,308	4,055	4,302	3,236	2,800	2,804	3,508	3,150	3,094	3,406	3,685
314,510	388,860	192,840	225,382	282,831	250,123	258,425	258,076	253,995	190,453	289,056
258,426	236,276	188,737	209,913	206,687	192,568	199,499	129,144	136,970	222,607	210,854
150,716	193,969	153,195	209,673	195,261	161,661	145,775	154,283	153,465	131,820	172,134
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	1,617,736
527,974	394,997	378,221	444,439	446,331	390,039	250,727	242,667	215,923	253,667	268,685
14,624	14,518	14,212	18,958	18,900	18,920	19,402	18,174	16,928	15,949	17,035
283,120	380,488	205,252	222,786	215,250	199,641	295,999	161,127	172,666	242,018	210,330

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

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023			
				Jan.	Feb.	Mac	Apr.
Gas asli cecair Liquefied natural gas	Tan Tonne	31,283,443	31,279,579	2,751,277	2,594,258	3,044,181	1,987,056
Nitrogen dan oksigen Nitrogen and oxygen	Meter padu ('000) Cubic metre ('000)	610,924	526,966	47,260	48,817	54,618	48,975
Methanol (methyl alcohol) Methanol (methyl alcohol)	Tan Tonne	4,364,885	5,090,653	374,694	407,881	403,658	320,412
Baja (termasuk urea) Fertilizers (includes urea)	Tonne Tonne	7,584,494	5,906,343	655,340	452,398	398,842	358,670
Sebatian P.V.C P.V.C. compound	Tan Tonne	71,331	56,303	5,438	6,038	6,056	5,441
Racun serangga aerosol (cecair) Aerosol insecticides (liquid)	Liter Litres	6,083,228	5,163,308	418,120	411,624	384,343	389,137
Racun herba (cecair) Herbicides (liquid)	Liter ('000) Litres ('000)	97,264	91,732	8,996	8,614	8,911	8,927
Racun herba (bukan cecair) Herbicides (non-liquid)	Tonne Tonne	91,308	57,643	4,845	4,864	5,530	5,460
Cat emulsi Emulsion paints	Liter ('000) Litres ('000)	58,557	69,896	6,733	6,803	6,007	4,626
Cat lapis Under-coats	Liter ('000) Litres ('000)	17,875	13,019	1,518	1,598	1,430	1,197
Cat asas Primers	Liter ('000) Litres ('000)	18,342	21,342	1,508	1,799	1,424	1,064
Dakwat pencetak Printing ink	Tan Tonne	21,967	21,012	2,266	1,675	1,675	1,619
Pelembut fabrik Fabric softener	Liter ('000) Litres ('000)	31,289	29,439	2,594	2,605	2,569	2,158
Sabun mandi Toilet soap	Tan Tonne	15,469	14,935	1,380	1,413	1,388	1,026
Sabun serbuk (bahan pencuci) Soap powder (detergents)	Tan Tonne	97,339	77,816	6,291	6,243	6,683	5,394
Pelekat perindustrian Adhesive, industrial	Liter ('000) Litres ('000)	156,135	166,252	13,228	14,684	12,898	13,911
Tayar pneumatik (semua jenis) Pneumatic tyres (all types)	Bilangan ('000) Number ('000)	6,775	4,753	507	514	445	343
Tiub dalam (semua jenis) Inner tubes (all types)	Bilangan ('000) Number ('000)	1,124	788	93	90	64	52
Getah mutu malaysia (semua gred) S.M.R. (all grades)	Tan Tonne	686,810	668,508	57,754	59,442	48,306	47,401
Susu getah diproses Processed latex	Tan Tonne	45,852	50,917	3,275	3,769	3,729	3,849
Sarung tangan getah Rubber gloves	Pasang (Juta) Pairs (Million)	85,559	66,998	6,065	5,892	7,374	7,002
Kondom Condom	Gross ('000) Gross ('000)	18,730	21,118	1,547	1,454	1,465	1,997
Paip P.V.C. P.V.C. pipes	Tan Tonne	98,006	123,126	9,670	11,653	12,461	11,802
Bata tanah Earthen bricks	Bilangan ('000) Number ('000)	153,283	201,043	13,700	17,458	13,268	17,142
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	26,270	24,753	1,003	1,146	1,859	1,865

2024										
Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	2,830,335	3,293,275
42,934	44,678	43,201	35,453	35,628	38,433	41,554	45,417	45,944	42,849	43,087
388,091	242,304	309,801	482,508	473,473	545,943	561,494	580,394	555,053	536,428	518,656
426,865	475,927	535,863	531,558	559,863	541,973	522,053	446,989	434,307	471,171	473,629
4,584	4,598	4,597	4,590	4,648	3,438	3,390	3,485	3,679	3,749	3,625
432,745	500,884	501,603	502,999	452,079	413,442	370,013	386,319	422,415	413,931	377,944
9,612	8,265	6,995	6,864	5,013	5,792	6,467	7,276	8,842	8,245	7,945
6,280	6,002	5,108	5,101	4,427	3,017	3,178	3,831	2,965	2,962	3,004
6,415	6,554	6,268	6,259	5,599	3,797	5,278	5,556	6,195	6,202	5,309
1,556	1,600	556	561	600	638	805	959	1,007	1,063	890
1,287	1,389	1,693	2,144	2,434	2,146	1,965	2,488	1,938	2,116	1,656
1,492	1,493	1,483	1,667	1,908	1,859	1,894	1,982	2,556	1,950	2,075
2,849	2,518	2,216	2,209	1,623	2,384	2,589	3,124	2,389	2,651	2,703
1,222	1,355	1,344	1,383	1,169	877	1,039	1,339	1,348	1,579	1,658
6,896	6,901	6,892	6,956	6,060	7,357	5,781	6,363	6,087	6,590	7,342
14,166	15,779	13,588	12,813	13,611	14,294	13,385	13,897	13,705	13,425	11,673
349	352	369	333	337	428	371	405	498	495	459
54	56	61	60	64	68	64	62	83	71	55
47,783	48,026	51,364	59,510	54,635	62,203	63,258	68,825	63,120	60,695	49,422
4,065	4,564	4,814	5,284	4,940	4,673	3,643	4,312	4,038	3,907	3,888
6,242	5,406	5,211	5,216	4,680	4,591	4,646	4,672	6,083	6,454	7,515
2,020	2,342	1,905	1,579	1,790	1,674	1,557	1,786	1,935	1,812	1,788
9,794	9,643	9,924	8,385	9,289	9,395	10,848	10,262	10,551	10,997	12,930
14,890	13,504	13,481	14,627	15,844	18,276	25,849	23,005	15,569	16,178	13,476
2,075	2,079	2,074	2,093	2,445	2,905	2,038	3,171	1,601	1,910	2,501

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

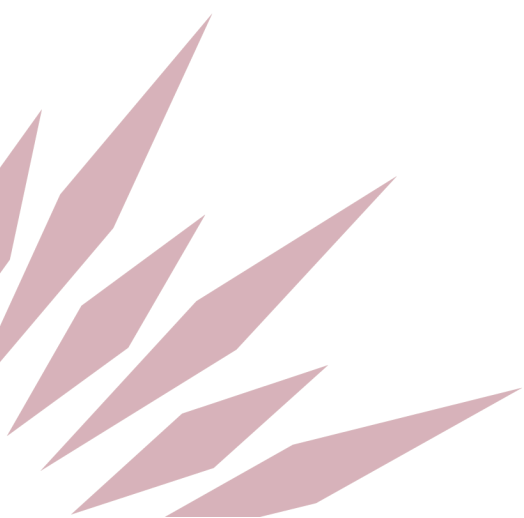
2024										
Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
1,630	1,698	1,521	1,516	1,444	1,617	2,442	2,501	2,461	2,592	2,873
2,810	3,243	3,154	3,463	3,607	3,774	2,958	3,655	3,826	3,269	3,576
4,051	3,262	4,481	3,570	3,443	4,431	2,759	3,548	4,870	1,965	2,241
105,043	88,870	89,150	96,209	115,877	121,091	121,773	110,788	118,429	118,521	99,513
15,069	16,980	12,561	12,492	12,607	14,566	18,669	14,324	10,811	16,977	12,523
88,201	88,757	87,806	92,261	91,832	91,026	97,099	87,546	95,113	99,878	88,426
87,237	87,536	86,547	114,618	96,620	87,911	93,258	120,547	112,228	117,663	99,267
19,868	15,473	15,976	22,825	24,544	26,937	13,392	11,327	10,953	11,315	10,570
182,697	185,229	184,494	205,491	208,553	213,528	209,323	221,843	231,574	233,684	219,582
294	428	382	323	290	317	297	275	274	278	282
12,395	13,967	15,559	14,304	14,052	13,018	14,030	14,180	12,232	16,162	13,915
1,307	1,270	1,308	1,305	1,310	1,220	1,372	1,113	1,305	1,444	1,199
19,078	18,084	19,801	17,262	16,671	20,654	20,303	19,694	27,216	27,607	27,270
7,981	9,988	12,037	12,940	14,398	10,019	10,721	8,916	9,254	10,778	11,357
2,590	3,071	3,111	3,290	3,302	2,572	2,451	2,511	3,050	3,390	3,289
4,287	4,043	3,546	3,553	3,523	3,133	3,035	3,296	3,794	3,950	3,837
5,465	5,299	4,475	4,474	4,946	3,930	3,109	3,144	3,031	3,145	3,272
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	1,005,501
593	584	671	781	643	722	751	788	806	817	699
307,501	275,213	279,002	261,798	238,352	248,815	274,825	279,960	276,871	299,728	321,088
60,391	54,643	62,558	63,242	65,022	69,475	62,931	61,817	71,666	61,935	63,778
15,306	12,168	12,266	12,932	11,208	11,620	11,443	9,254	9,098	8,831	6,239
817	991	1,001	860	785	851	834	793	848	847	745
37,701	33,931	36,810	36,900	34,494	33,039	27,455	30,036	33,309	30,392	29,122

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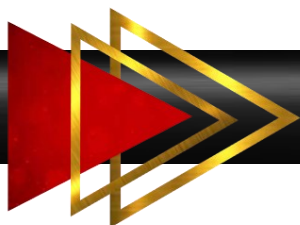


NOTA TEKNIKAL

Technical Notes



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1. OBJEKTIF

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

2. PENANDA ARASAN

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

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

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

Kaedah *pro rata*:

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

di mana;

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

$M^i I$ = siri indikator bulanan

ADT = data tahunan tahun asas (penanda aras)

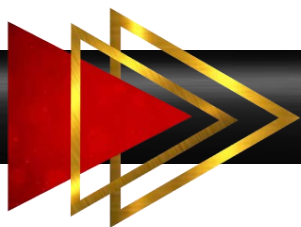
Kaedah *extrapolation*:

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

di mana;

V_t = nilai pemboleh ubah

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



3. SKOP DAN LIPUTAN

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

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

4. SUMBER RANGKA

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

5. JENIS AKTIVITI PERNIAGAAN

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

6. KONSEP DAN DEFINISI

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

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

7. REKA BENTUK PENSAMPELAN

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

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

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

8. SAIZ SAMPEL

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

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

di mana;

n = Saiz sampel

N_i = Saiz populasi bagi strata i

S_i^2 = Varian bagi strata i

V = Varian sasaran

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

di mana;

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

RSE = Ralat piawai relatif

Z = Nilai aras keyakinan

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

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

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

$i = 1, 2, \dots k$

di mana;

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

N_h = Saiz populasi bagi substrata h

S_h = Sisihan piawai bagi substrata h

n_i = Saiz sampel bagi strata i

h = Substrata

i = Strata

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

9. WAJARAN

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

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut :

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

di mana;

N_h = Bilangan populasi bagi substrata h ; dan

n_h = Bilangan sampel bagi substrata h

Wajaran tiada respons pada substrata h adalah seperti berikut :

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

di mana;

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

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

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

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

di mana;

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

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

10. UNIT MELAPOR

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

11. NILAI JUALAN

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

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

12. BILANGAN PEKERJA BERGAJI

Bilangan pekerja bergaji meliputi seperti berikut:

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

13. GAJI & UPAH DIBAYAR

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

14. KEPERLUAN KERAHSIAAN

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

15. PINDAAN

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

16. PEMBUNDARAN

Perjumlahan komponen mungkin berbeza dengan angka jumlah besar disebabkan pembundaran.

17. SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:-

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

RM : Ringgit Malaysia

18. PELARASAN MUSIM

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

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

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



1. OBJECTIVE

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

2. BENCHMARKING

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

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

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

Pro rata Method:

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

where;

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

$M^i I$ = monthly indicator series

ADT = annual benchmark data

Extrapolation Method:

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

Where;

V_t = value of variable

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



3. SCOPE AND COVERAGE

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

4. SOURCE OF FRAME

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

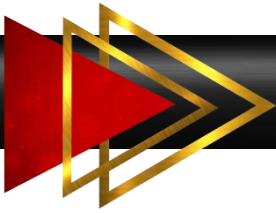
5. TYPE OF BUSINESS ACTIVITY

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

6. CONCEPT AND DEFINITION

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

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



7. SAMPLING DESIGN

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

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

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

8. SAMPLE SIZE

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

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

where;

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

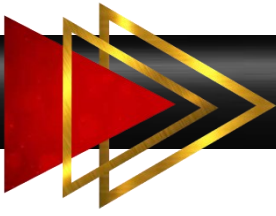
Z = Value of confidence level

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).