



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN PEMBUATAN BULANAN MONTHLY MANUFACTURING STATISTICS

JANUARI 2024
JANUARY

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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".

Pangkalan Data Utama (PADU) telah dilancarkan pada 2 Januari 2024. PADU mengandungi profil individu dan isi rumah meliputi warganegara dan pemastautin tetap di Malaysia. Matlamat utama PADU untuk memastikan rakyat Malaysia tidak tercicir daripada setiap inisiatif berpaksikan rakyat yang dilaksanakan oleh Kerajaan. Dimohon kerjasama untuk mendaftar dan mengemaskini PADU sebelum atau pada 31 Mac 2024. Untuk maklumat lanjut, boleh layari <https://www.padu.gov.my>. Sebarang pertanyaan sila hubungi talian hotline 1-800-88-7721 atau log masuk secara online melalui SISPA: <https://padu.spab.gov.my>.

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".

The Central Database (PADU) was launched on 2 January 2024. PADU contains individual and household profiles of citizens and permanent residents in Malaysia. PADU is enthusiastic ensuring all Malaysian are not left behind from the citizen centric initiatives by the Government. Please kindly register and update PADU by 31 March 2024. For more information, please visit <https://www.padu.gov.my>. If any inquiry, please contact 1-800-88-7721 or log in through SISPA: <https://padu.spab.gov.my>.

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.

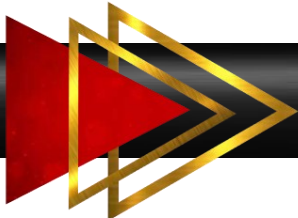
Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat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

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

Mac 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.

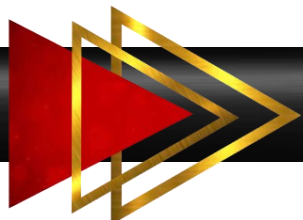
The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Any feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

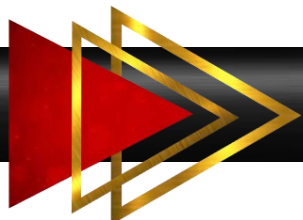
March 2024





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KALENDAR KELUARAN AWALAN 2024 / ADVANCE RELEASE CALENDAR 2024

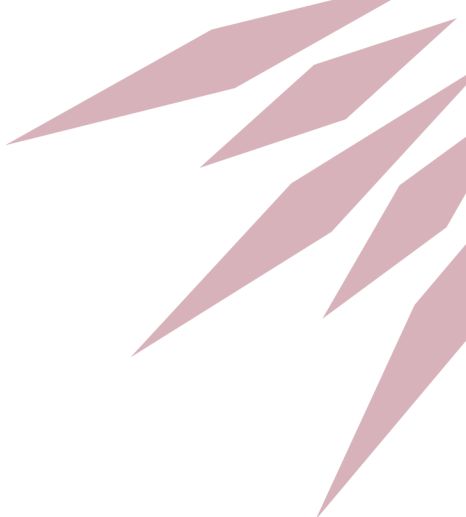
Bulan rujukan / <i>Reference month</i>	Tarikh / <i>Date</i>
Januari 2024 / <i>January 2024</i>	12.03.2024
Februari 2024 / <i>February 2024</i>	08.04.2024
Mac 2024 / <i>March 2024</i>	10.05.2024
April 2024 / <i>April 2024</i>	10.06.2024
Mei 2024 / <i>May 2024</i>	12.07.2024
Jun 2024 / <i>June 2024</i>	09.08.2024
Julai 2024 / <i>July 2024</i>	10.09.2024
Ogos 2024 / <i>August 2024</i>	11.10.2024
September 2024 / <i>September 2024</i>	08.11.2024
Oktober 2024 / <i>October 2024</i>	10.12.2024
November 2024 / <i>November 2024</i>	11.01.2025
Disember 2024 / <i>December 2024</i>	07.02.2025

Nota / *Notes:*

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

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

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RINGKASAN PENEMUAN

Summary of Findings



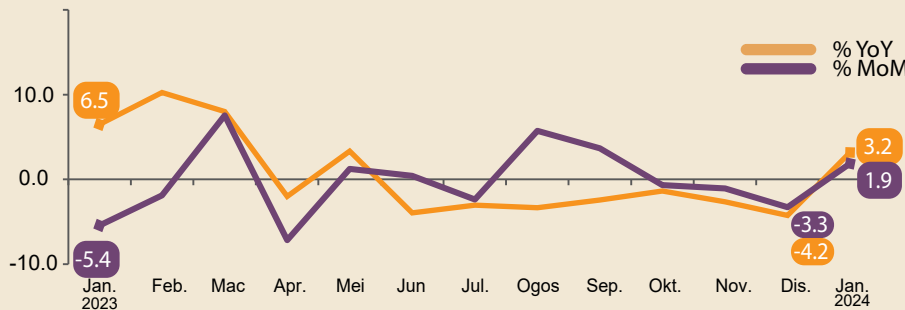
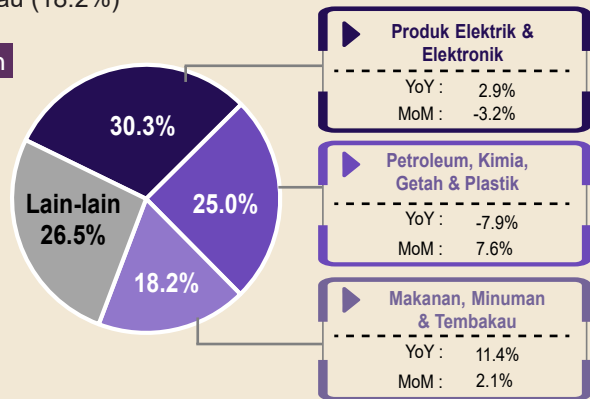
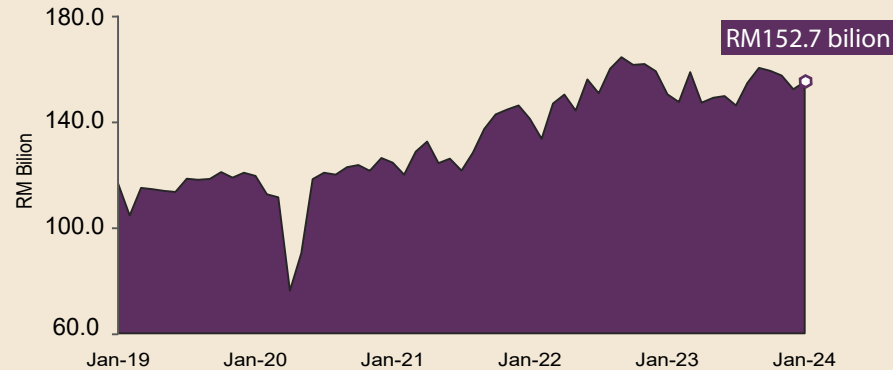
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PERANGKAAAN PEMBUATAN JANUARI 2024

Nilai Jualan Sektor Pembuatan, Januari 2024

Nilai jualan sektor Pembuatan kembali kepada pertumbuhan positif sebanyak **3.2 peratus**, mencapai **RM152.7 billion** pada Januari 2024

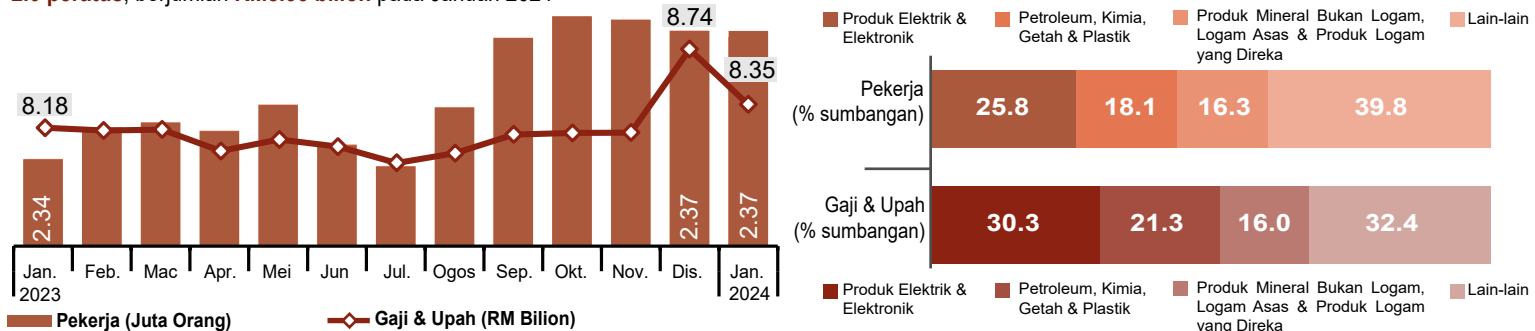
Lebih dua pertiga daripada nilai jualan Pembuatan disumbangkan oleh subsektor Peralatan Elektrik & Elektronik (30.3%); Petroleum, Kimia, Getah & Plastik (25.0%); dan Makanan, Minuman & Tembakau (18.2%)



Subsektor dengan pertumbuhan tahun ke tahun tertinggi bagi nilai jualan, Januari 2024		
Kelengkapan Pengangkutan & Pembuatan Lain	Makanan, Minuman & Tembakau	Produk Mineral Bukan Logam, Logam Asas & Produk Logam yang Direka
YoY : 15.8%	YoY : 11.4%	YoY : 9.6%
MoM : -0.01%	MoM : 2.1%	MoM : 3.1%

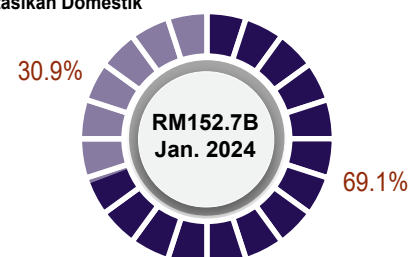
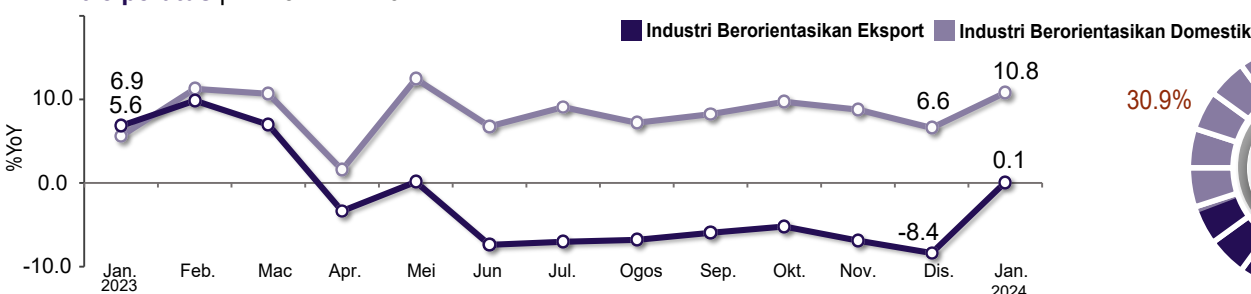
Bilangan Pekerja dan Gaji & Upah, Januari 2024

Sektor Pembuatan melibatkan seramai **2.37 juta orang pekerja**, meningkat **1.3 peratus** tahun ke tahun dengan gaji & upah yang dibayar meningkat sebanyak **2.0 peratus**, berjumlah **RM8.35 billion** pada Januari 2024



Industri Berorientasikan Eksport and Domestik

Nilai jualan industri berorientasikan eksport meningkat sedikit **0.1 peratus** manakala industri berorientasikan domestik meningkat lebih baik **10.8 peratus** pada Januari 2024

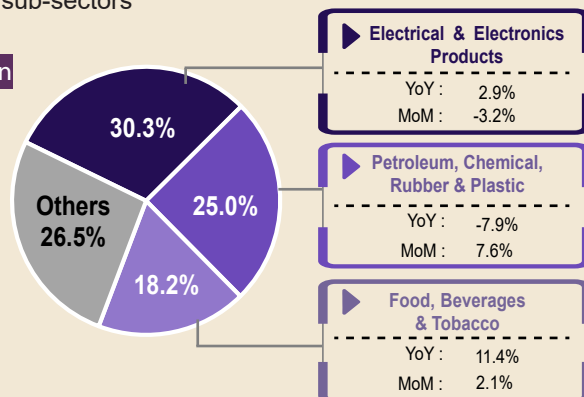
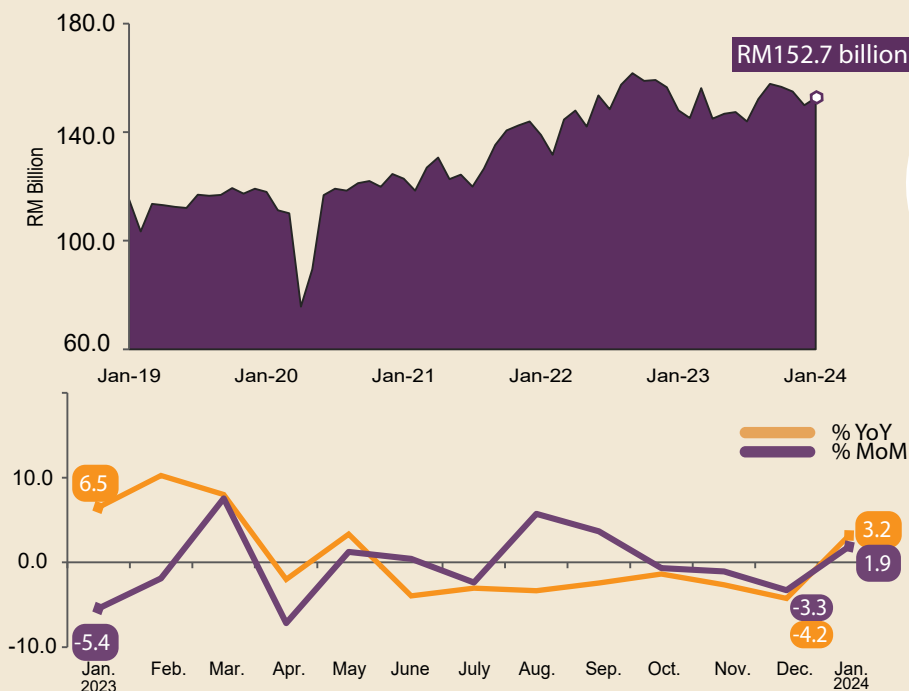


MANUFACTURING STATISTICS JANUARY 2024

Sales Value of the Manufacturing Sector, January 2024

The sales value of the Manufacturing sector returned to positive growth of **3.2 per cent**, reaching **RM152.7 billion** in January 2024

More than two-thirds of Manufacturing sales value was contributed by Electrical & Electronics Products (30.3%); Petroleum, Chemical, Rubber & Plastic (25.0%); and Food, Beverages & Tobacco (18.2%) sub-sectors

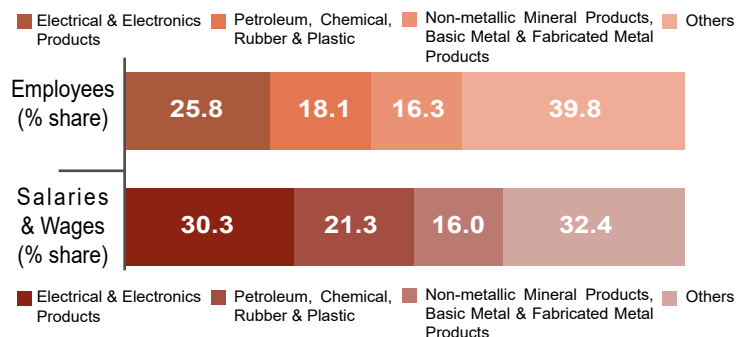
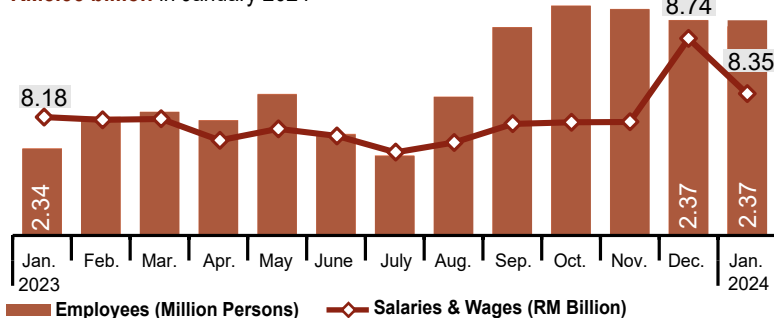


Sub-sectors with the highest year-on year growth, January 2024

Transport Equipment & Other Manufactures	Food, Beverages & Tobacco	Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products
YoY : 15.8%	YoY : 11.4%	YoY : 9.6%
MoM : -0.01%	MoM : 2.1%	MoM : 3.1%

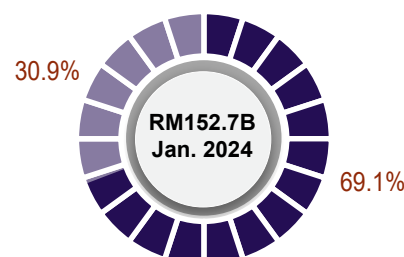
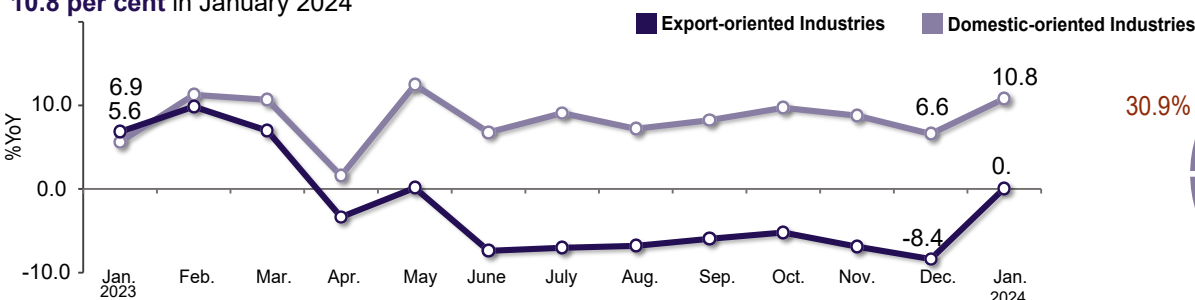
Number of Employees and Salaries & Wages, January 2024

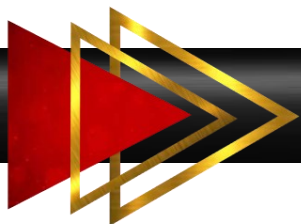
The Manufacturing sector engaged **2.37 million persons**, an increase of **1.3 per cent** year-on-year with salaries & wages paid rose by **2.0 per cent**, amounting to **RM8.35 billion** in January 2024



Export and Domestic-oriented Industries

The sales value of export-oriented industries increased slightly by **0.1 per cent** while the domestic-oriented industries improved further by **10.8 per cent** in January 2024



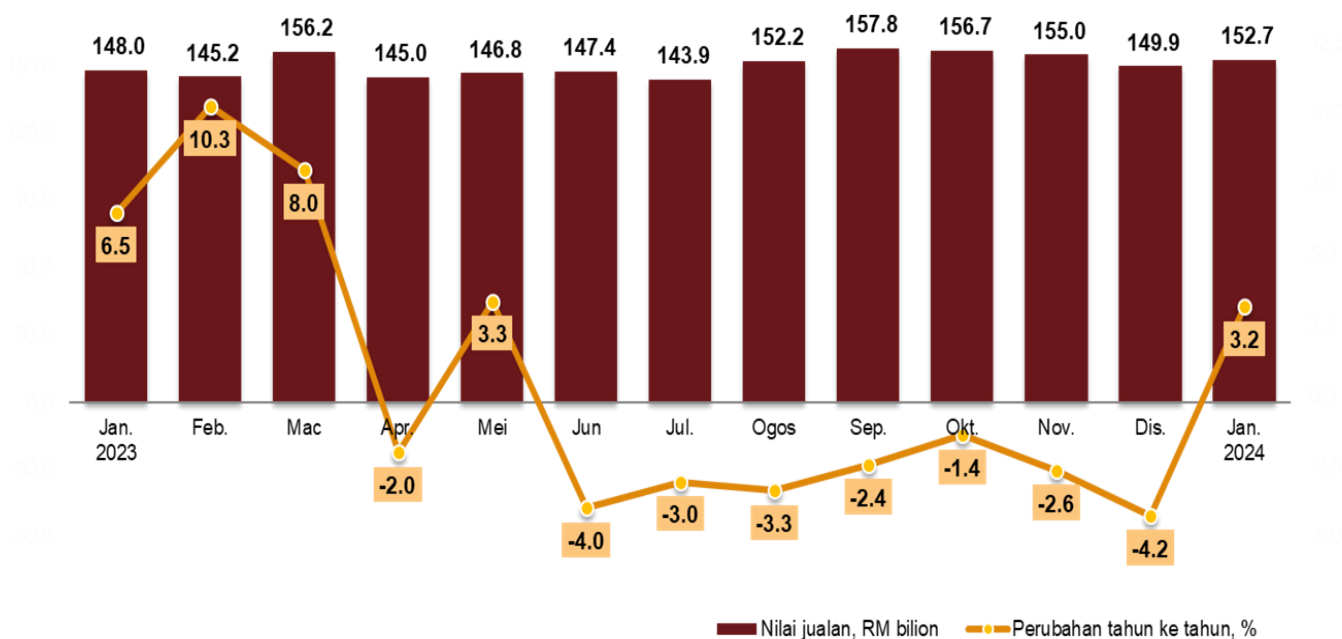


1.0 NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan memulih kepada 3.2 peratus tahun ke tahun pada Januari 2024 selepas menguncup sejak Jun 2023, mencapai RM152.7 bilion (Disember 2023: -4.2%). Berbanding bulan sebelumnya, nilai jualan meningkat 1.9 peratus berbanding RM149.9 bilion yang dicatatkan pada Disember 2023 (-3.3%) dengan pelarasan musim meningkat 3.9 peratus.

Pengembangan tersebut disokong oleh pertumbuhan kukuh sebanyak 15.8 peratus dalam subsektor Kelengkapan pengangkutan & pembuatan lain (Disember 2023: 6.4%), ditambah dengan trend peningkatan bagi subsektor Makanan, minuman & tembakau yang melonjak sebanyak 11.4 peratus (Disember 2023: -2.6%). Di samping itu, subsektor Produk mineral bukan logam, logam asas & produk logam yang direka terus tumbuh kukuh, berkembang sebanyak 9.6 peratus (Disember 2023: 7.4%).

Carta 1: Nilai Jualan Sektor Pembuatan, Januari 2023 - Januari 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 Januari 2024 merupakan data **awalan**. Data ini akan dikemaskini berdasarkan data terkini yang diperolehi dan akan diterbitkan dalam penerbitan bulan Februari 2024.

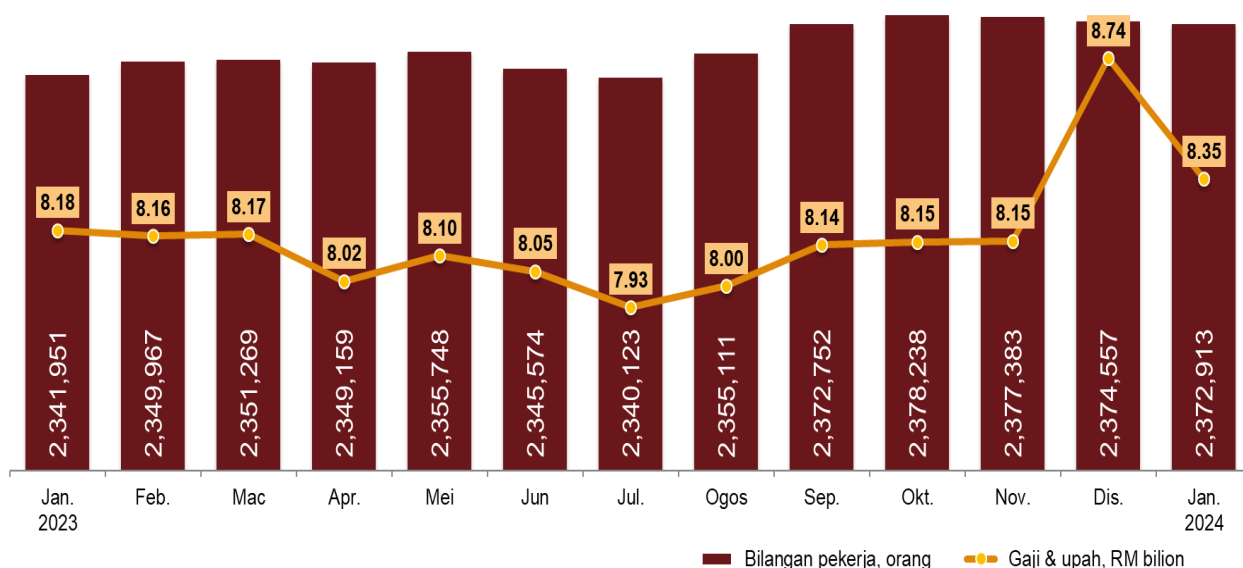
2.0 BILANGAN PEKERJA

Sektor Pembuatan melibatkan seramai 2.37 juta orang pekerja pada Januari 2024, meningkat 1.3 peratus berbanding 2.34 juta orang yang dicatatkan pada Januari 2023. Penambahan itu sebahagian besarnya didorong oleh subsektor Makanan, minuman & tembakau (5.5%); Produk mineral bukan logam, logam asas & produk logam yang direka (1.8%); dan Kelengkapan pengangkutan & pembuatan lain (1.1%). Berbanding dengan Disember 2023, bilangan pekerja dalam sektor ini terus menyusut, mencatatkan penurunan sebanyak 0.1 peratus (Disember 2023: -0.1%).

3.0 GAJI & UPAH

Gaji & upah yang dibayar dalam sektor Pembuatan juga mencatatkan peningkatan sebanyak 2.0 peratus tahun ke tahun, berjumlah RM8.4 bilion pada Januari 2024. Berbanding Disember 2023, bayaran gaji & upah susut 4.5 peratus berbanding pertumbuhan 7.3 peratus yang dicatatkan pada bulan sebelumnya.

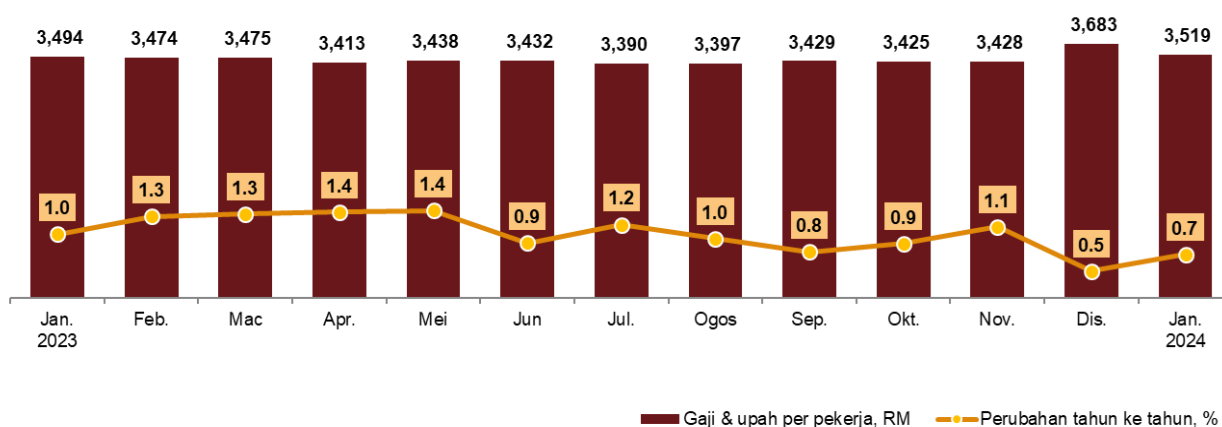
Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan, Januari 2023 - Januari 2024



4.0 PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah bagi setiap pekerja pada Januari 2024 adalah sebanyak RM3,519 yang meningkat sebanyak 0.7 peratus tahun ke tahun (Januari 2023: RM3,494) seperti yang dipaparkan di Carta 3. Sementara itu, purata gaji & upah bagi setiap pekerja berkurang 4.4 peratus berbanding bulan sebelum (Disember 2023: RM3,683).

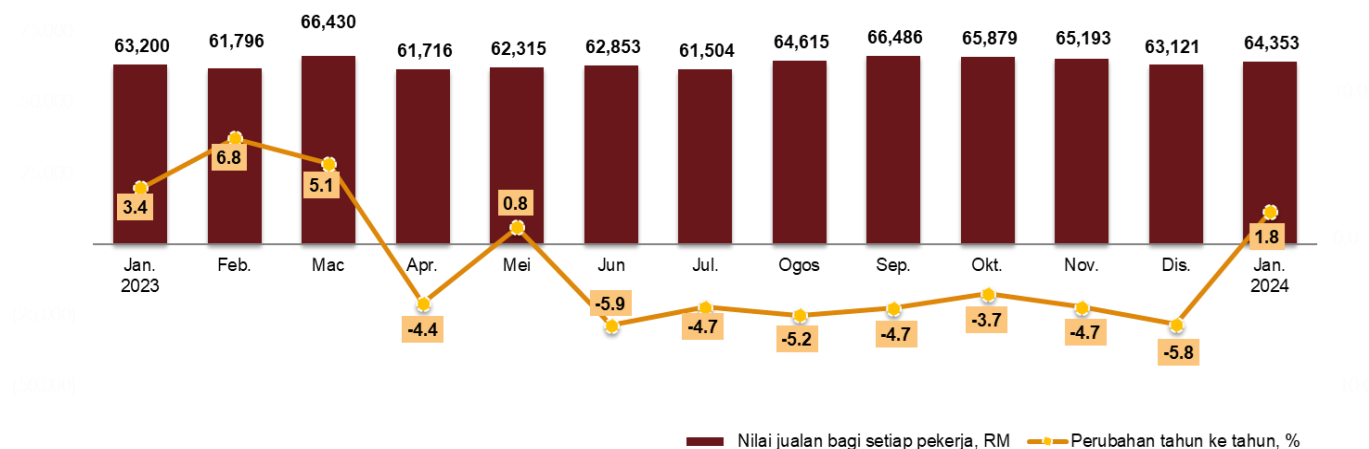
Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan, Januari 2023 - Januari 2024

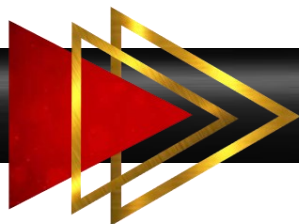


5.0 NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Januari 2024 meningkat 1.8 peratus untuk merekodkan RM64,353 berbanding RM63,200 pada bulan yang sama tahun sebelumnya (Carta 4). Sementara itu, purata nilai jualan bagi setiap pekerja menaik 2.0 peratus berbanding Disember 2023.

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



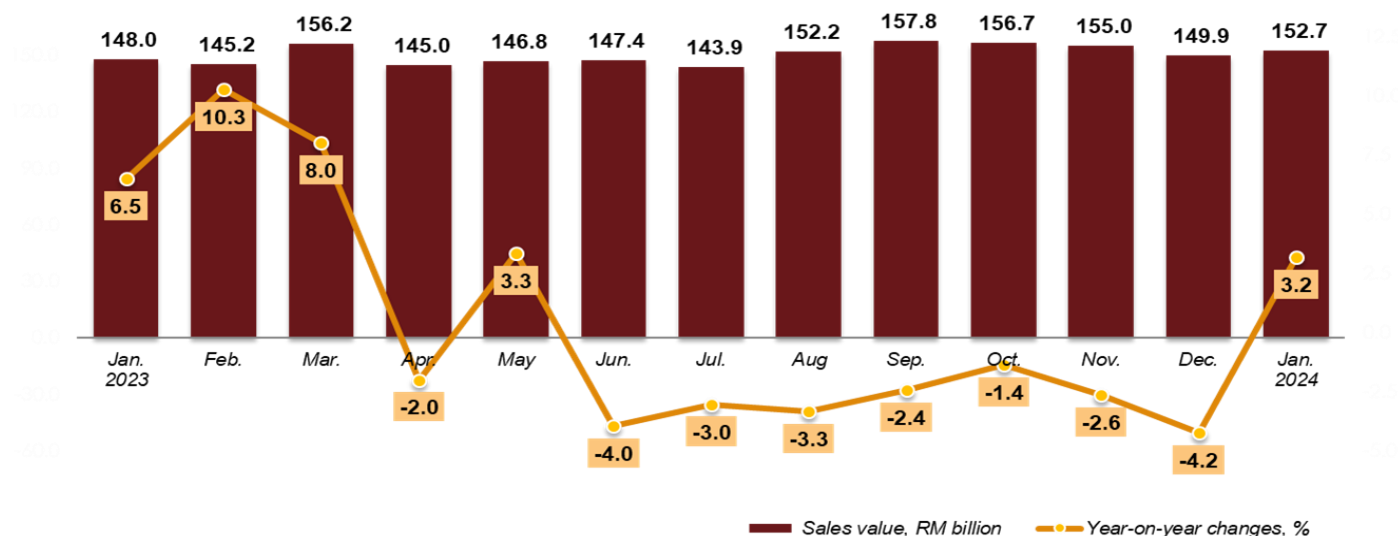


1.0 SALES VALUE OF THE MANUFACTURING SECTOR

The sales value of the Manufacturing sector rebounded to 3.2 per cent year-on-year in January 2024 after contracting since June 2023, achieving RM152.7 billion (December 2023: -4.2%). As compared to the previous month, the sales value grew by 1.9 per cent as against RM149.9 billion recorded in December 2023 (-3.3%) with seasonal adjustment increased 3.9 per cent.

The expansion was bolstered by the strong growth of 15.8 per cent in the Transport equipment & other manufactures sub-sector (December 2024: 6.4%), coupled with the upward trend of the Food, beverages & tobacco products sub-sector which surged by 11.4 per cent (December 2023: -2.6%). In addition, the Non-metallic mineral products, basic metal & fabricated metal products sub-sector continued to grow vigorously, expanding by 9.6 per cent (December 2023: 7.4%).

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

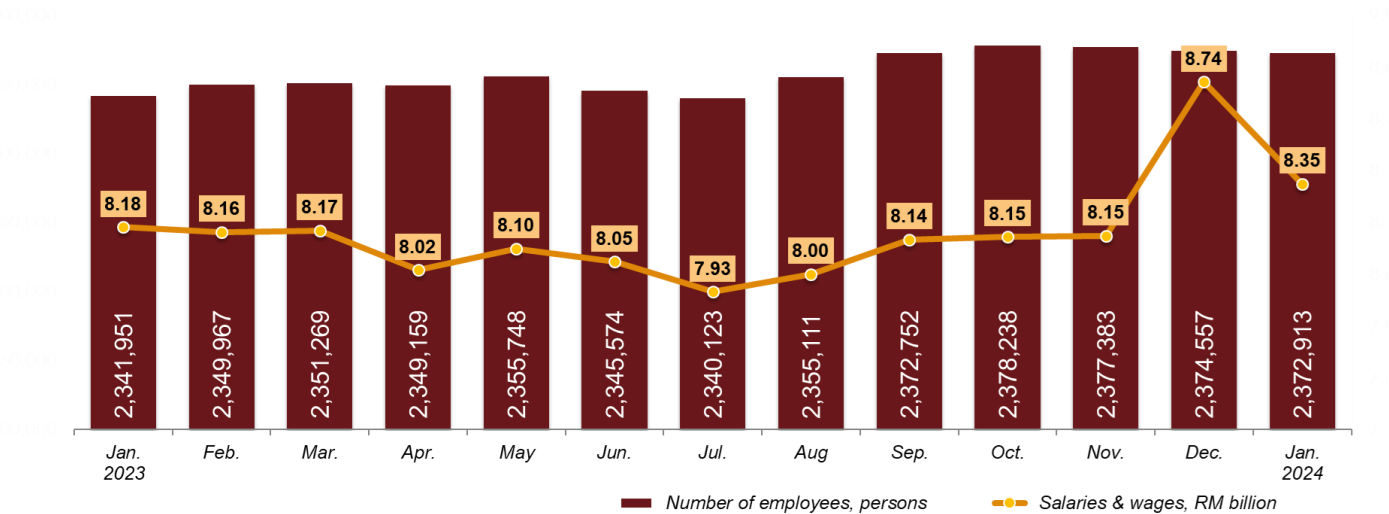
2.0 NUMBER OF EMPLOYEES

The Manufacturing sector engaged 2.37 million employees in January 2024, an increase of 1.3 per cent as compared to the 2.34 million persons registered in January 2023. The addition was largely in the Food, beverages & tobacco (5.5%); Non-metallic mineral products, basic metal & fabricated metal products (1.8%); and Transport equipment & other manufactures (1.1%) sub-sectors. In comparison to December 2023, the number of employees in this sector continued to decline, registering a decrease of 0.1 per cent (December 2023: -0.1%).

3.0 SALARIES & WAGES

The salaries & wages paid in the Manufacturing sector also posted an increase of 2.0 per cent year-on-year, amounting to RM8.4 billion in January 2024. As compared to December 2023, the salaries & wages paid dropped by 4.5 per cent as against a growth of 7.3 per cent registered in the preceding month.

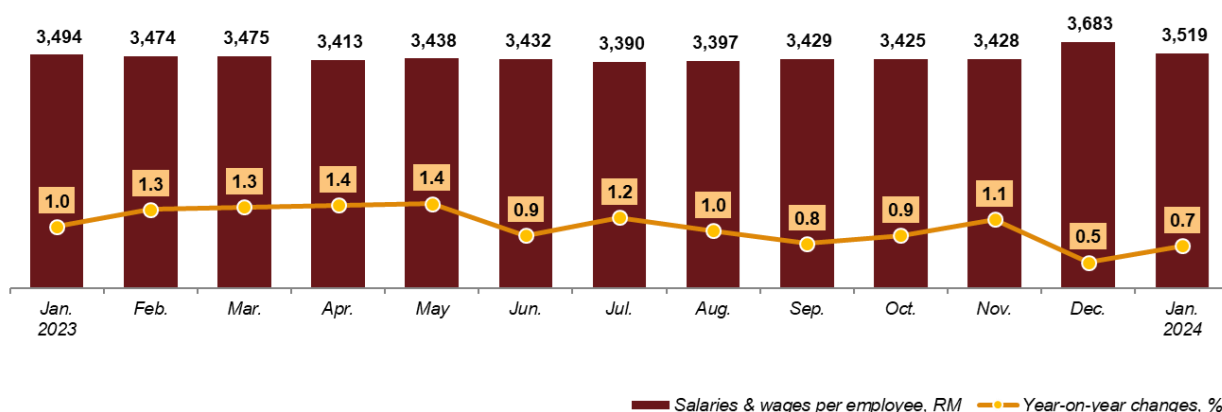
Chart 2: Number of Employees and Salaries & Wages in Manufacturing Sector, January 2023 - January 2024



4.0 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in January 2024 was RM3,519, went up by 0.7 per cent year-on-year (January 2023: RM3,494) as depicted in Chart 3. Meanwhile, average salaries & wages paid per employee decreased by 4.4 per cent as compared to the preceding month (December 2023: RM3,683).

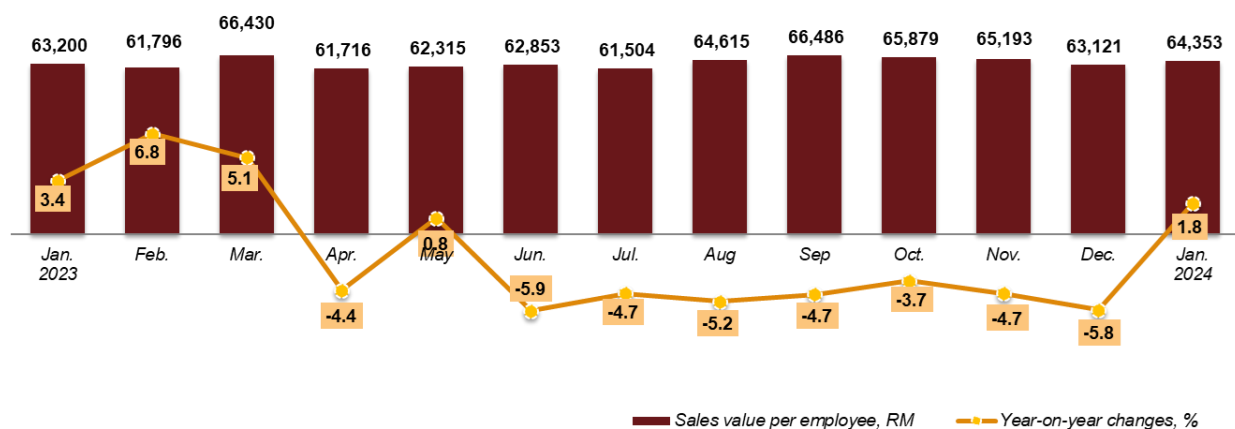
Chart 3: Salaries & Wages per Employee in Manufacturing Sector, January 2023 – January 2024

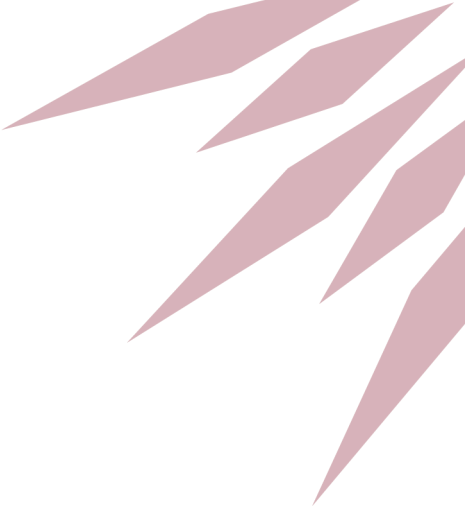


5.0 SALES VALUE PER EMPLOYEE

The sales value per employee in January 2024 increased by 1.8 per cent to record RM64,353 as compared to RM63,200 in the same month of the previous year (Chart 4). Meanwhile, the average sales value per employee went up by 2.0 per cent as compared to December 2023.

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





JADUAL

Tables



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

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) <i>Sales value of own (Ex-factory) (RM Juta/Million)</i>				Bilangan Pekerja Bergaji Pada Akhir Tempoh <i>Number of employees engaged at end of period</i>				Gaji & Upah Yang Dibayar <i>Salaries & wages paid (RM Juta/Million)</i>			
		Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM
2021		1,554,738	15.5			2,259,619	2.7			89,830	3.0		
2022		1,800,930	15.8			2,335,435	3.4			94,528	5.2		
2023		1,804,035	0.2			2,374,557	1.7			97,789	3.5		
2022	Q1	415,298	12.8			2,287,325	2.4			23,513	4.1		
	Q2	443,489	17.4			2,297,905	3.7			23,318	5.2		
	Q3	467,562	22.5			2,316,961	3.8			23,364	6.7		
	Q4	474,582	11.1			2,335,435	3.4			24,332	5.0		
2023	Q1	449,424	8.2			2,351,269	2.8			24,517	4.3		
	Q2	439,208	-1.0			2,345,574	2.1			24,165	3.6		
	Q3	453,856	-2.9			2,372,752	2.4			24,068	3.0		
	Q4	461,548	-2.7			2,374,557	1.7			25,039	2.9		
2022	Jan.	138,986	13.1	135,764	-1.8	2,274,146	2.2	2,250,916	-0.8	7,865	4.1	7,650	-1.7
	Feb.	131,703	11.2	142,979	5.3	2,275,927	2.1	2,260,870	0.4	7,805	3.9	7,737	1.1
	Mac	144,610	13.9	145,074	1.5	2,287,325	2.4	2,278,552	0.8	7,843	4.4	7,750	0.2
	Apr.	147,942	13.2	150,533	3.8	2,291,470	2.5	2,284,548	0.3	7,715	4.5	7,780	0.4
	Mei	142,043	15.7	148,877	-1.1	2,296,686	2.7	2,291,782	0.3	7,787	5.0	7,876	1.2
	Jun	153,503	23.4	159,199	6.9	2,297,905	3.7	2,307,458	0.7	7,816	6.2	7,932	0.7
	Jul.	148,431	23.8	148,440	-6.8	2,300,906	4.1	2,308,756	0.1	7,709	7.1	7,832	-1.3
	Ogo.	157,436	24.4	155,540	4.8	2,309,353	4.3	2,318,977	0.4	7,771	7.5	7,887	0.7
	Sep.	161,694	19.5	156,509	0.6	2,316,961	3.8	2,322,303	0.1	7,885	5.4	7,948	0.8
	Okt.	158,864	12.9	151,810	-3.0	2,321,179	3.6	2,332,258	0.4	7,881	4.8	7,972	0.3
	Nov.	159,194	11.8	154,921	2.0	2,328,070	3.3	2,336,176	0.2	7,890	4.7	8,033	0.8
	Dis.	156,524	8.8	150,474	-2.9	2,335,435	3.4	2,343,497	0.3	8,562	5.4	8,131	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	149,379	3.9	2,372,913	1.3	2,348,558	-1.1	8,350	2.0	8,102	-1.8

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

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

(RM Juta/Million)														
2023														2024
Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
78,190	83,395	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
74,099	78,948	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
3,284	3,436	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
807	1,010	394	349	452	359	376	262	258	286	263	350	338	322	410
5,842	6,271	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
2,770	2,872	984	938	975	945	969	952	925	941	905	937	968	966	1,071
2,391	2,576	840	847	846	798	806	770	810	781	799	832	893	851	899
681	823	245	233	245	223	221	204	209	229	243	268	288	268	264
19,863	23,108	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
5,353	6,776	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
7,381	7,564	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
3,457	3,804	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
3,671	4,964	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
119,555	114,375	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
58,478	54,050	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
28,168	27,788	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
2,714	2,663	875	885	942	898	821	910	885	905	925	933	871	859	904
30,195	29,873	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
42,162	47,748	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
12,585	13,461	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
12,844	15,910	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
16,733	18,376	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
154,914	147,743	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
128,717	121,292	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
15,645	14,480	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
10,552	11,971	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
33,331	38,910	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
24,909	29,498	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
3,633	4,390	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
3,356	3,309	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
1,433	1,714	530	511	589	578	402	406	407	449	578	557	599	557	548
453,856	461,548	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

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

Subsektor Sub-sector	2022	2023	2022				2023		
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	12.8	-3.3	16.3	16.5	13.0	6.5	6.1	-12.7	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	12.5	-3.8	17.0	15.9	11.5	6.8	6.3	-13.7	
11 Pembuatan minuman <i>Manufacture of beverages</i>	19.6	2.7	6.3	30.5	42.2	7.6	0.2	3.2	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	16.0	17.6	4.7	32.1	155.9	-16.4	17.4	27.0	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	7.7	2.2	8.0	9.2	12.9	1.7	0.9	3.7	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	8.6	-2.1	14.1	8.3	11.9	1.2	-2.1	-1.2	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	3.5	5.6	2.7	7.5	6.1	-1.2	3.1	7.4	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	20.5	9.0	3.6	22.6	54.5	14.8	6.4	14.2	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	11.1	1.4	10.1	16.9	19.0	1.7	1.8	1.7	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	12.4	-5.0	13.4	22.3	22.6	-0.6	-3.9	-2.3	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	9.6	5.7	10.2	10.3	11.9	6.1	11.0	4.8	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13.3	6.0	7.8	22.0	18.8	7.5	7.5	5.5	
31 Pembuatan perabot <i>Manufacture of furniture</i>	9.8	0.2	6.7	18.9	29.4	-5.2	-5.7	-1.9	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	15.5	-6.0	9.7	11.1	24.4	16.2	8.0	-4.8	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	42.3	-10.1	36.3	36.3	57.2	37.4	21.9	-6.2	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9.0	0.7	10.0	14.9	9.4	2.9	2.1	0.7	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.8	5.2	13.9	10.7	12.1	7.1	12.0	5.1	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-12.1	-5.0	-15.0	-17.4	-9.1	-5.0	-7.3	-7.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	12.5	6.8	8.4	18.5	23.1	3.9	6.1	6.2	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	15.2	7.1	6.9	20.6	33.5	6.0	6.9	6.8	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	9.4	4.1	10.3	16.4	11.2	2.2	5.0	3.6	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	13.2	8.8	8.0	18.6	26.6	3.8	6.3	7.8	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	20.3	3.0	17.6	24.2	25.5	14.8	10.2	5.5	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	22.4	3.4	18.2	27.9	28.0	16.6	11.1	6.3	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	15.6	3.2	20.2	15.1	21.1	7.4	5.9	5.2	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	6.9	-1.9	9.3	4.6	7.7	6.3	4.9	-2.3	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	14.5	10.9	5.5	18.2	31.1	7.9	14.8	6.8	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	15.3	13.5	6.3	20.0	32.1	7.9	18.6	7.2	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	11.3	2.3	2.6	13.6	21.2	9.9	6.4	5.4	
32 Pembuatan lain <i>Other manufacturing</i>	16.3	5.1	3.8	15.8	48.3	5.6	3.4	4.4	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	7.9	7.3	6.1	10.1	10.2	6.2	7.4	11.5	
Pembuatan Manufacturing	Jumlah Total	15.8	0.2	12.8	17.4	22.5	11.1	8.2	-1.0

														(%)
2023														2024
Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
-5.3	0.4	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
-5.8	0.1	4.4	9.1	5.4	-13.4	-12.2	-15.5	-8.4	-7.2	-2.0	1.6	1.9	-3.1	11.7
1.4	5.8	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
18.6	9.0	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
2.5	1.6	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
-2.7	-2.6	-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
7.5	4.6	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
8.2	8.3	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
-0.5	2.3	-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
-7.2	-6.2	-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
1.9	5.6	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
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
-1.4	9.8	-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
-13.3	-11.2	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
-22.7	-20.9	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
0.7	-0.6	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
0.7	3.5	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
-4.5	-0.3	-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
7.2	7.7	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
7.6	7.0	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
2.8	4.9	-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
10.6	10.7	2.6	9.1	7.5	5.5	10.6	7.4	9.7	10.4	11.5	9.2	11.3	11.5	12.3
1.6	-4.2	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
2.2	-4.7	7.1	13.3	12.6	5.2	8.5	5.5	6.1	1.1	-0.1	-2.8	-6.6	-4.8	2.7
4.3	-1.9	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
-8.1	-1.3	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
12.4	9.8	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
15.7	12.6	18.9	18.1	18.6	-8.3	20.7	10.5	22.0	15.0	10.4	19.7	11.3	8.0	19.8
-0.5	-1.7	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
5.7	6.9	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
10.6	1.4	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
-2.9	-2.7	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

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

												(%)
2023												2024
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
-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
-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
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
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
-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
-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
-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
-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
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
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
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
-1.4	1.7	-1.4	-6.1	-4.8	-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8
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
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
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
-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
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
-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
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
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
-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
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
-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
-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
-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
-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
-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
-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
-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
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
-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
-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

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

Subsektor Sub-sector	2022	2023	2022				2023		
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	312,503	331,015	302,632	303,341	307,220	312,503	318,572	319,899	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	294,898	312,950	284,914	285,923	289,878	294,898	300,354	301,781	
11 Pembuatan minuman <i>Manufacture of beverages</i>	16,373	16,805	16,304	16,247	16,144	16,373	16,770	16,865	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	1,232	1,259	1,413	1,170	1,198	1,232	1,448	1,254	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	84,022	85,961	83,137	82,639	82,292	84,022	85,096	85,266	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	27,871	28,303	27,585	27,660	27,897	27,871	28,115	28,376	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	43,591	44,781	43,154	42,708	41,931	43,591	43,969	44,071	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	12,559	12,878	12,399	12,272	12,464	12,559	13,011	12,818	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	300,117	306,775	295,043	294,663	295,302	300,117	301,925	299,830	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	94,044	94,250	91,448	92,333	93,204	94,044	92,962	92,665	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	58,658	59,265	56,974	56,605	57,633	58,658	59,308	57,626	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	70,120	71,281	67,661	65,902	65,467	70,120	70,319	68,955	
31 Pembuatan perabot <i>Manufacture of furniture</i>	77,294	81,979	78,959	79,824	78,998	77,294	79,337	80,585	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	431,348	431,568	428,403	431,602	433,224	431,348	434,110	426,332	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	17,817	18,473	17,719	17,262	17,651	17,817	18,486	18,149	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	104,895	103,545	105,228	102,801	102,306	104,895	107,580	104,293	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	27,325	27,967	24,800	27,994	28,824	27,325	26,901	27,916	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	281,311	281,583	280,656	283,545	284,443	281,311	281,143	275,974	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	378,084	386,812	376,488	372,058	374,888	378,084	379,977	376,792	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	107,304	109,233	105,181	106,264	107,175	107,304	105,623	107,408	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	111,538	112,157	112,250	110,408	111,054	111,538	112,586	111,152	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	159,242	165,423	159,057	155,387	156,659	159,242	161,768	158,233	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	615,997	615,687	590,903	602,060	611,431	615,997	615,782	622,533	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	416,128	419,283	394,505	403,586	411,580	416,128	414,042	421,479	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	103,580	102,410	102,806	102,185	104,235	103,580	104,635	102,547	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	96,289	93,994	93,591	96,289	95,616	96,289	97,105	98,507	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	213,364	216,739	210,719	211,541	212,603	213,364	215,807	214,921	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	86,835	87,614	85,015	85,774	86,316	86,835	87,037	87,085	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	43,427	44,306	43,328	42,973	43,725	43,427	44,253	43,751	
32 Pembuatan lain <i>Other manufacturing</i>	40,788	40,976	39,511	39,779	40,695	40,788	40,934	40,492	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	42,314	43,843	42,865	43,016	41,867	42,314	43,583	43,593	
Pembuatan Manufacturing	Jumlah Total	2,335,435	2,374,557	2,287,325	2,297,905	2,316,961	2,335,435	2,351,269	2,345,574

2023														2024
Q3	Q4	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
330,045	331,015	316,809	319,546	318,572	319,127	319,956	319,899	321,987	323,631	330,045	331,773	331,484	331,015	334,249
312,172	312,950	298,930	301,386	300,354	301,010	301,817	301,781	303,808	305,925	312,172	313,811	313,598	312,950	315,935
16,602	16,805	16,583	16,717	16,770	16,843	16,874	16,865	16,952	16,539	16,602	16,689	16,622	16,805	17,041
1,271	1,259	1,296	1,443	1,448	1,274	1,266	1,254	1,227	1,167	1,271	1,272	1,264	1,259	1,272
84,763	85,961	84,837	84,831	85,096	85,098	85,729	85,266	84,366	84,095	84,763	84,368	86,006	85,961	86,619
28,596	28,303	28,095	27,854	28,115	28,228	28,559	28,376	28,140	28,549	28,596	28,519	28,433	28,303	28,464
43,253	44,781	43,879	43,863	43,969	44,052	44,258	44,071	43,521	42,881	43,253	42,777	44,583	44,781	45,202
12,914	12,878	12,863	13,114	13,011	12,818	12,912	12,818	12,704	12,664	12,914	13,072	12,990	12,878	12,953
302,192	306,775	302,697	303,581	301,925	300,971	302,970	299,830	298,729	300,621	302,192	306,093	307,012	306,775	304,136
93,276	94,250	94,568	95,214	92,962	92,289	94,135	92,665	92,456	92,885	93,276	94,039	95,049	94,250	93,472
58,587	59,265	58,843	59,436	59,308	58,624	57,792	57,626	57,112	57,618	58,587	59,353	59,133	59,265	59,457
68,928	71,281	70,262	69,878	70,319	69,596	70,361	68,955	68,890	69,227	68,928	70,157	70,901	71,281	68,570
81,400	81,979	79,024	79,053	79,337	80,462	80,682	80,585	80,271	80,892	81,400	82,545	81,929	81,979	82,638
431,355	431,568	430,230	431,616	434,110	433,318	431,202	426,332	429,348	431,511	431,355	432,901	432,707	431,568	430,409
18,199	18,473	17,783	17,989	18,486	18,239	18,209	18,149	18,202	18,349	18,199	18,408	18,453	18,473	18,245
102,458	103,545	105,650	105,966	107,580	104,791	104,624	104,293	102,983	103,371	102,458	103,829	104,131	103,545	103,959
29,297	27,967	26,805	26,916	26,901	28,360	28,019	27,916	28,446	29,157	29,297	29,415	28,071	27,967	27,305
281,401	281,583	279,992	280,746	281,143	281,929	280,350	275,974	279,717	280,635	281,401	281,249	282,053	281,583	280,900
384,546	386,812	380,545	379,566	379,977	377,496	379,292	376,792	377,958	381,483	384,546	384,787	384,301	386,812	387,410
109,570	109,233	107,769	105,797	105,623	106,049	106,908	107,408	107,795	108,712	109,570	109,021	109,659	109,233	107,161
111,898	112,157	112,701	112,481	112,586	111,977	112,081	111,152	111,101	110,940	111,898	112,805	112,006	112,157	113,533
163,078	165,423	160,075	161,289	161,768	159,471	160,304	158,233	159,061	161,831	163,078	162,961	162,636	165,423	166,716
623,413	615,687	611,164	615,055	615,782	618,326	620,571	622,533	610,281	617,325	623,413	621,335	619,211	615,687	612,053
423,425	419,283	410,422	413,081	414,042	417,662	421,194	421,479	411,396	416,465	423,425	421,955	420,728	419,283	414,252
104,452	102,410	103,746	103,887	104,635	103,268	102,562	102,547	102,879	104,815	104,452	104,048	103,012	102,410	103,051
95,536	93,994	96,996	98,086	97,105	97,395	96,815	98,507	96,005	96,046	95,536	95,332	95,471	93,994	94,750
216,437	216,739	215,669	215,772	215,807	214,822	216,027	214,921	217,455	216,445	216,437	216,981	216,662	216,739	218,037
87,567	87,614	87,000	87,089	87,037	86,924	87,437	87,085	87,860	87,475	87,567	87,763	87,590	87,614	88,016
44,053	44,306	44,293	44,313	44,253	43,711	43,826	43,751	44,400	43,820	44,053	44,038	44,156	44,306	44,728
41,202	40,976	40,916	40,892	40,934	40,503	40,738	40,492	41,070	41,066	41,202	41,335	41,317	40,976	40,834
43,616	43,843	43,460	43,478	43,583	43,684	44,026	43,593	44,126	44,084	43,616	43,845	43,599	43,843	44,459
2,372,752	2,374,557	2,341,951	2,349,967	2,351,269	2,349,159	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

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

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

														(%)
2023														2024
Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
7.4	5.9	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
7.7	6.1	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
2.8	2.6	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
6.1	2.2	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
3.0	2.3	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
2.5	1.5	1.8	1.2	1.9	2.6	2.8	2.6	2.3	3.3	2.5	2.3	1.6	1.5	1.3
3.2	2.7	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
3.6	2.5	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
2.3	2.2	2.2	2.4	2.3	2.7	2.5	1.8	2.1	2.6	2.3	2.5	2.3	2.2	0.5
0.1	0.2	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
1.7	1.0	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
5.3	1.7	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
3.0	6.1	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
-0.4	0.1	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
3.1	3.7	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
0.1	-1.3	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
1.6	2.3	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
-1.1	0.1	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
2.6	2.3	1.3	1.4	0.9	0.8	1.4	1.3	1.3	2.2	2.6	2.5	2.3	2.3	1.8
2.2	1.8	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
0.8	0.6	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
4.1	3.9	1.8	2.6	1.7	1.5	2.1	1.8	2.5	3.9	4.1	4.1	3.8	3.9	4.1
2.0	-0.1	4.3	4.4	4.2	4.2	4.2	3.4	1.1	1.0	2.0	1.6	0.7	-0.1	0.1
2.9	0.8	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
0.2	-1.1	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
-0.1	-2.4	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
1.8	1.6	3.1	2.6	2.4	2.0	2.4	1.6	2.3	1.9	1.8	1.8	1.8	1.6	1.1
1.4	0.9	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
0.7	2.0	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
1.2	0.5	3.7	3.0	3.6	2.4	2.5	1.8	1.3	1.2	1.2	1.6	1.5	0.5	-0.2
4.2	3.6	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
2.4	1.7	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

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

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

												(%)
2023												2024
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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
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
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
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
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
0.8	-0.9	0.9	0.4	1.2	-0.6	-0.8	1.5	0.2	-0.3	-0.3	-0.5	0.6
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
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
0.9	0.3	-0.5	-0.3	0.7	-1.0	-0.4	0.6	0.5	1.3	0.3	-0.1	-0.9
0.6	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	1.0	-0.2	-1.2	-1.4	-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3
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
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
-0.3	0.3	0.6	-0.2	-0.5	-1.1	0.7	0.5	-0.04	0.4	-0.04	-0.3	-0.3
-0.2	1.2	2.8	-1.3	-0.2	-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2
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
-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
-0.5	0.3	0.1	0.3	-0.6	-1.6	1.4	0.3	0.3	-0.1	0.3	-0.2	-0.2
0.7	-0.3	0.1	-0.7	0.5	-0.7	0.3	0.9	0.8	0.1	-0.1	0.7	0.2
0.4	-1.8	-0.2	0.4	0.8	0.5	0.4	0.9	0.8	-0.5	0.6	-0.4	-1.9
1.0	-0.2	0.1	-0.5	0.1	-0.8	-0.05	-0.1	0.9	0.8	-0.7	0.1	1.2
0.5	0.8	0.3	-1.4	0.5	-1.3	0.5	1.7	0.8	-0.1	-0.2	1.7	0.8
-0.8	0.6	0.1	0.4	0.4	0.3	-2.0	1.2	1.0	-0.3	-0.3	-0.6	-0.6
-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
0.2	0.1	0.7	-1.3	-0.7	-0.01	0.3	1.9	-0.3	-0.4	-1.0	-0.6	0.6
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
1.1	0.05	0.02	-0.5	0.6	-0.5	1.2	-0.5	0.0	0.3	-0.1	0.04	0.6
0.2	0.1	-0.1	-0.1	0.6	-0.4	0.9	-0.4	0.1	0.2	-0.2	0.03	0.5
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	-0.1	0.1	-1.1	0.6	-0.6	1.4	-0.01	0.3	0.3	-0.04	-0.8	-0.3
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
0.3	0.3	0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	-0.04	-0.1	-0.1

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

Subsektor Sub-sector	2022	2023	2022				2023		
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	11,028	11,901	2,702	2,721	2,738	2,867	2,912	2,909	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	10,433	11,261	2,553	2,578	2,596	2,706	2,753	2,755	
11 Pembuatan minuman <i>Manufacture of beverages</i>	532	573	132	128	128	143	141	139	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	63	66	17	14	14	18	18	16	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,909	2,013	480	462	465	502	503	496	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	673	706	166	164	168	174	172	176	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	913	964	231	218	219	244	245	236	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	323	343	82	79	78	84	86	85	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9,483	9,927	2,398	2,338	2,326	2,421	2,502	2,441	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,584	2,710	650	634	642	658	678	662	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,100	2,148	524	516	520	541	548	523	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	2,242	2,382	567	559	542	575	594	600	
31 Pembuatan perabot <i>Manufacture of furniture</i>	2,556	2,687	658	629	622	647	683	655	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	20,969	21,375	5,079	5,225	5,327	5,338	5,355	5,286	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	2,363	2,502	629	532	577	625	677	570	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	5,831	5,931	1,485	1,422	1,445	1,479	1,551	1,458	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	789	804	180	196	202	211	188	197	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	11,986	12,139	2,786	3,075	3,102	3,023	2,939	3,061	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	14,412	14,916	3,650	3,553	3,521	3,687	3,765	3,664	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	4,607	4,721	1,123	1,145	1,151	1,187	1,144	1,161	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,180	4,262	1,093	1,029	997	1,061	1,128	1,058	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	5,625	5,933	1,435	1,378	1,373	1,439	1,494	1,445	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	29,441	30,130	7,384	7,197	7,206	7,654	7,618	7,483	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	21,078	21,732	5,268	5,187	5,129	5,494	5,463	5,447	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3,939	3,948	993	940	995	1,010	1,007	956	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	4,424	4,451	1,123	1,070	1,083	1,149	1,148	1,080	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	7,287	7,528	1,820	1,823	1,780	1,864	1,862	1,886	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3,526	3,625	872	889	861	904	878	913	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,142	1,171	290	289	281	282	296	294	
32 Pembuatan lain <i>Other manufacturing</i>	1,300	1,325	325	314	326	335	328	324	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1,319	1,407	334	331	312	342	359	355	
Pembuatan Manufacturing	Jumlah Total	94,528	97,789	23,513	23,318	23,364	24,332	24,517	24,165

(RM Juta/Million)														
2023														2024
Q3	Q4	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
2,965	3,115	978	972	962	964	973	972	978	978	1,009	1,012	1,014	1,089	1,046
2,810	2,943	925	919	909	911	922	921	928	927	956	958	957	1,028	989
139	154	48	47	47	47	46	45	45	45	49	49	51	54	51
15	18	6	6	6	5	5	5	5	5	5	5	5	7	6
492	521	173	164	166	166	167	163	162	163	168	167	173	181	177
178	180	59	56	57	58	59	59	59	59	60	60	60	61	60
231	252	86	79	80	80	79	76	77	76	79	78	84	90	87
83	88	29	29	29	28	28	28	27	27	29	29	29	30	30
2,448	2,536	843	832	827	811	823	808	809	816	823	830	835	870	859
677	693	226	228	224	222	222	218	224	226	227	229	230	233	234
527	550	180	186	182	175	174	174	173	175	179	182	180	188	184
584	605	204	193	197	197	203	200	196	197	191	193	199	213	204
660	689	233	225	224	217	223	215	216	218	226	226	226	237	237
5,327	5,407	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
592	664	216	212	249	188	187	195	190	194	208	217	207	240	216
1,448	1,473	509	512	530	502	472	484	489	483	476	480	478	515	493
204	215	65	61	62	68	64	65	67	69	68	70	67	78	66
3,083	3,055	981	968	990	1,017	1,024	1,020	1,022	1,037	1,024	1,016	1,019	1,021	1,003
3,652	3,835	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
1,183	1,233	393	373	379	379	392	390	389	390	404	403	408	422	406
1,011	1,065	382	375	370	356	356	346	336	334	341	342	342	381	391
1,458	1,537	498	501	495	478	488	479	479	485	494	498	499	539	540
7,334	7,695	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
5,247	5,574	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
1,003	983	343	337	327	298	326	332	333	337	333	327	316	340	330
1,084	1,139	393	384	371	363	360	357	354	363	367	370	368	400	386
1,850	1,930	617	624	621	626	635	624	613	616	621	625	628	677	627
898	936	292	297	289	301	306	306	297	300	301	303	302	332	298
285	295	96	98	103	98	100	96	96	93	96	98	97	99	100
328	345	111	109	109	106	110	108	108	110	111	111	111	122	108
338	355	119	120	120	122	119	115	113	113	113	113	118	124	120
24,068	25,039	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

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

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

														(%)
2023														2024
Q3	Q4	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
8.3	8.6	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
8.3	8.8	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
8.5	7.2	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
5.2	1.7	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	4.2	5.6	7.0	6.9	8.4	6.3	5.5	5.5	5.3	4.0	2.3	2.3
6.0	3.5	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
5.5	3.5	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
6.2	5.5	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
5.2	4.8	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
5.5	5.3	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
1.3	1.6	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
7.8	5.2	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
6.1	6.4	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
0.01	1.3	5.7	6.0	4.7	3.9	0.5	-0.8	-0.2	0.1	0.1	1.4	2.2	0.4	0.4
2.6	6.1	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
0.2	-0.4	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
0.9	1.9	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
-0.6	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
3.7	4.0	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
2.7	3.9	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
1.4	0.4	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
6.2	6.8	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
1.8	0.5	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
2.3	1.4	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
0.7	-2.7	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
0.2	-0.9	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
3.9	3.5	2.4	2.3	2.2	1.6	5.1	3.8	4.4	3.8	3.6	3.6	3.7	3.4	1.6
4.3	3.5	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
1.4	4.6	3.7	2.7	1.0	0.7	2.4	2.0	2.2	1.0	0.8	3.1	5.2	5.6	4.4
0.6	2.9	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
8.5	3.6	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
3.0	2.9	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

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

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

												(%)
2023												2024
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
-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
-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
-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
-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
-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
-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
-4.3	-7.2	0.5	0.5	-0.9	-4.2	0.6	-1.1	4.0	-0.8	7.3	7.6	-3.2
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
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
0.8	0.8	-1.5	-1.0	0.2	-2.0	2.9	0.7	0.5	1.0	0.4	1.2	0.2
-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
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
5.6	-3.3	-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.0
-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
-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
-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
-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
-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
-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
-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
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
-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
-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
-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
-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
-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
-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
-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
1.7	2.0	5.4	-4.8	1.5	-3.5	-0.5	-2.3	3.0	2.1	-0.8	2.0	0.6
-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
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
-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

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	8,809	9,315	2,135	2,179	2,212	2,282	2,269	2,393	2,327	2,326
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,714	6,056	1,435	1,434	1,405	1,440	1,450	1,487	1,552	1,568
	10201 Pengetinan ikan, krustasea dan moluska										
	&										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,391	5,670	1,354	1,359	1,324	1,353	1,357	1,392	1,458	1,463
	Industri lain	323	386	80	75	81	87	93	94	94	105
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,808	2,368	445	441	453	469	517	600	620	630
	10303 Pengetinan nanas										
	&										
	10304 Pembuatan jem, marmalad dan sajian jeli	357	564	75	77	99	104	113	145	150	156
	Industri lain	1,451	1,804	369	364	354	365	404	455	470	474
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	190,130	168,839	37,522	53,117	49,670	49,822	39,293	39,599	42,807	47,140
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	&										
	10406 Pembuatan sebatian lemak masakan	20,492	20,650	4,070	5,239	5,949	5,234	4,976	5,227	5,286	5,162
	10405 Pembuatan minyak kelapa	1,536	1,231	372	359	410	395	315	271	307	338
	Industri lain	168,102	146,958	33,080	47,518	43,311	44,193	34,003	34,101	37,214	41,640
105	Pembuatan produk tenusu	12,117	12,107	2,942	3,036	3,090	3,049	3,056	3,180	2,933	2,938
	10502 Pembuatan susu pekat, tepung dan sejat	11,313	11,271	2,739	2,842	2,880	2,852	2,871	2,982	2,707	2,710
	Industri lain	804	836	203	194	210	197	184	199	226	227
106	Pembuatan produk bijian, kanji dan produk berkanji	10,613	11,151	2,516	2,775	2,606	2,716	2,757	2,802	2,767	2,824
	10611 Pengilangan beras	5,201	5,367	1,189	1,403	1,300	1,308	1,340	1,388	1,321	1,317
	10613 Pengilangan tepung	5,075	5,460	1,248	1,291	1,225	1,312	1,334	1,337	1,366	1,423
	Industri lain	336	324	78	81	81	97	83	77	79	84
107	Pembuatan produk makanan lain	58,413	63,250	14,013	14,682	14,869	14,849	14,981	15,669	15,954	16,646
	10711 Pembuatan biskut dan cookies	3,287	4,043	797	846	797	847	839	952	1,060	1,193
	10712 Pembuatan roti, kek dan produk bakeri lain	12,482	13,821	2,875	3,258	3,255	3,094	3,403	3,608	3,495	3,315
	10713 Pembuatan produk snek	2,830	3,309	692	723	684	732	698	797	859	955
	10721 Pembuatan gula	5,200	6,114	1,370	1,298	1,252	1,279	1,271	1,475	1,609	1,759
	10731 Pembuatan produk koko	3,402	3,612	864	807	847	885	903	869	887	953
	10732 Pembuatan coklat dan produk coklat										
	&										
	10733 Pembuatan konfeksi gula	14,094	13,784	3,382	3,618	3,606	3,488	3,441	3,448	3,365	3,531
	10793 Pembuatan sos dan bahan perasa	2,267	2,437	590	561	539	578	569	575	621	672
	10799 Pembuatan produk makanan lain t.t.t.l.	6,300	6,636	1,433	1,497	1,652	1,718	1,610	1,582	1,631	1,813
	Industri lain	8,552	9,493	2,011	2,074	2,238	2,228	2,247	2,364	2,427	2,455
108/ 10800	Pembuatan makanan haiwan tersedia	16,492	19,358	3,619	4,298	4,347	4,228	4,349	4,993	5,139	4,876
110	Pembuatan minuman ringan	12,717	13,055	3,198	3,034	3,237	3,248	3,204	3,131	3,284	3,436
	11041 Pembuatan minuman ringan	6,725	7,141	1,739	1,564	1,650	1,772	1,695	1,676	1,839	1,931
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,350	1,400	347	334	345	324	334	345	372	349
	Industri lain	4,643	4,514	1,113	1,137	1,242	1,151	1,174	1,111	1,073	1,156
120/ 12000	Pembuatan produk tembakau	3,410	4,010	1,018	785	681	926	1,196	996	807	1,010
131	Pemintalan, penenunan dan penyiapan tekstil	6,520	5,716	1,679	1,629	1,586	1,626	1,481	1,486	1,383	1,365
	13110 Penyediaan dan pemintalan gentian tekstil										
	&										
	13120 Penenunan tekstil	4,842	4,266	1,254	1,202	1,171	1,215	1,147	1,138	1,012	968
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,625	1,413	412	413	401	399	324	338	362	389
	Industri lain	53	37	14	13	14	12	11	9	9	8
139	Pembuatan tekstil lain	5,132	5,688	1,279	1,272	1,260	1,321	1,415	1,380	1,387	1,506
	13910 Pembuatan fabrik dikait dan dikrusye	2,306	2,264	587	574	559	586	584	569	546	565
	Industri lain	2,825	3,424	692	698	701	735	831	811	841	941
141	Pembuatan pakaian, kecuali pakaian berbulu	8,945	9,388	2,353	2,118	2,124	2,350	2,410	2,263	2,276	2,439
	14102 Pembuatan pakaian	7,847	8,293	2,041	1,843	1,881	2,081	2,096	2,009	2,029	2,159
	Industri lain	1,098	1,095	312	275	242	269	314	254	247	280
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	408	485	103	92	100	112	123	111	115	136
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,857	1,997	477	387	441	551	508	439	466	584
152	Pembuatan kasut	781	879	202	181	189	209	215	210	215	240
	15201 Pembuatan kasut kulit										
	&										
	15203 Pembuatan kasut getah	498	578	122	108	129	140	138	135	143	163
	Industri lain	282	301	81	73	60	69	77	75	72	77
161/ 16100	Pengilangan dan pengetaman kayu	6,672	6,495	1,933	1,334	1,581	1,825	1,965	1,378	1,458	1,694

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
733	772	765	802	803	789	760	782	784	784	797	745	789	Processing and preserving of meat	
512	457	481	466	524	496	520	514	518	534	526	508	531	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs	
482	426	449	436	491	465	491	483	483	500	490	473	495	Processing, curing and preserving of fish, crustacean and molluscs	
30	31	32	30	33	31	29	31	34	34	35	35	36	Other industry	
160	165	192	187	202	210	204	201	215	212	215	204	221	Processing and preserving of fruits and vegetable	
													Pineapple canning	
34	36	43	41	49	55	50	48	52	54	53	49	52	Manufacture of jams, marmalades and table jellies	
126	129	149	147	153	155	154	153	163	158	161	155	169	Other industry	
13,900	13,145	12,248	12,871	13,339	13,388	12,867	13,984	15,956	16,104	15,540	15,496	15,661	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil	
1,582	1,687	1,707	1,711	1,821	1,695	1,671	1,780	1,834	1,792	1,628	1,741	1,836	Manufacture of compound cooking fats	
119	103	93	82	103	86	95	105	107	117	100	121	120	Manufacture of coconut oil	
12,199	11,355	10,449	11,078	11,415	11,607	11,100	12,098	14,016	14,195	13,811	13,634	13,705	Other industry	
975	1,001	1,080	1,068	1,091	1,022	951	1,008	974	997	1,014	927	927	Manufacture of dairy products	
908	943	1,020	1,007	1,023	952	880	933	895	918	938	854	845	Manufacture of condensed, powdered and evaporated milk	
67	58	60	61	67	70	71	75	79	79	76	72	82	Other industry	
872	931	955	936	970	896	891	919	957	953	944	927	981	Manufacture of grain mill products, starches and starch products	
400	470	470	468	493	426	427	437	457	448	435	435	450	Rice milling	
443	434	457	441	451	445	438	456	472	477	482	465	501	Flour milling	
29	27	27	26	26	25	26	25	28	28	28	28	30	Other industry	
4,918	4,979	5,084	4,976	5,442	5,252	5,151	5,362	5,441	5,530	5,633	5,483	5,573	Manufacture of other food products	
265	286	288	288	333	331	351	353	356	384	410	399	368	Manufacture of biscuits and cookies	
1,146	1,094	1,163	1,108	1,265	1,234	1,181	1,212	1,103	1,110	1,111	1,094	1,173	Manufacture of bread, cakes and other bakery products	
218	225	255	251	277	268	265	289	305	309	327	319	339	Manufacture of snack products	
417	429	425	425	502	548	507	529	572	592	605	562	535	Manufacture of sugar	
295	328	280	280	309	280	296	295	296	321	320	313	370	Manufacture of cocoa products	
													Manufacture of chocolate and chocolate products	
1,156	1,136	1,148	1,136	1,214	1,098	1,071	1,135	1,159	1,155	1,204	1,172	1,143	Manufacture of sugar confectionery	
176	194	199	203	177	195	190	208	223	223	223	226	225	Manufacture of sauces and condiments	
521	539	549	528	551	503	498	542	592	609	614	590	577	Manufacture of other food products n.e.c.	
724	748	775	757	814	794	792	799	836	828	820	807	843	Other industry	
1,400	1,432	1,518	1,616	1,698	1,680	1,712	1,711	1,717	1,729	1,668	1,479	1,538	Manufacture of prepared animal feeds	
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	Manufacture of beverages	
537	556	603	606	543	527	633	619	587	685	616	630	628	Manufacture of soft drinks	
101	113	121	121	115	108	119	127	126	123	117	109	109	Production of natural mineral waters and other bottled waters	
410	374	390	391	391	329	313	377	383	423	384	350	379	Other industry	
394	349	452	359	376	262	258	286	263	350	338	322	410	Manufacture of tobacco products	
510	465	506	486	510	490	470	478	435	444	458	463	519	Spinning, weaving and finishing of textiles Preparation and spinning of textile fibres	
397	360	390	376	398	365	352	352	308	310	325	333	375	Weaving of textiles	
110	101	113	107	109	122	115	123	124	131	131	127	141	Dyeing, bleaching, printing and finishing of yarns and fabrics	
4	3	3	3	3	3	3	3	3	3	3	2	3	Other industry	
473	473	469	459	459	462	455	462	469	493	510	502	552	Manufacture of other textiles	
194	195	195	190	189	190	181	184	180	187	191	188	206	Manufacture of knitted and crocheted fabrics	
279	278	274	269	270	272	274	278	289	306	319	315	345	Other industry	
800	806	804	761	769	733	774	746	756	786	845	809	850	Manufacture of wearing apparel, except fur apparel	
704	703	689	674	685	650	693	668	668	694	747	718	748	Manufacture of clothings	
97	102	115	87	84	83	81	78	89	91	98	91	102	Other industry	
39	41	42	37	37	37	36	35	43	46	48	43	49	Manufacture of articles of fur, knitted and crocheted apparel	
171	165	173	151	151	137	140	154	172	190	206	187	182	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	
74	69	72	73	70	67	69	75	71	77	81	81	82	Manufacture of footwear	
													Manufacture of leather footwear	
49	44	46	46	45	44	45	50	48	52	55	55	56	Manufacture of rubber footwear	
25	25	27	26	25	23	24	25	23	25	26	26	26	Other industry	
618	631	716	560	452	366	382	555	522	583	564	547	606	Sawmilling and planning of wood	

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	19,222	18,113	5,871	3,758	4,191	5,402	5,538	3,598	3,895	5,082
16211	Pembuatan kepingan venier dan papan lapis	9,087	9,198	2,821	1,705	1,903	2,659	2,846	1,779	1,939	2,634
16212	Pembuatan papan partikel dan papan gentian	5,885	5,112	1,758	1,169	1,329	1,629	1,543	1,046	1,110	1,413
16221	Pertukangan kayu untuk jurubina	2,156	2,034	652	431	470	604	621	394	449	570
	Industri lain	2,094	1,769	640	454	489	511	527	380	396	465
170	Pembuatan kertas dan produk kertas	28,260	29,883	6,810	7,041	7,246	7,163	7,561	7,377	7,381	7,564
17010	Pembuatan pulpa, kertas dan kertas tebal	5,903	5,677	1,494	1,444	1,475	1,489	1,471	1,339	1,387	1,479
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10,746	10,374	2,493	2,684	2,803	2,767	2,688	2,527	2,531	2,629
17091	Pembuatan sampul surat dan kad surat	374	375	79	86	102	107	102	95	90	88
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,998	6,791	1,523	1,515	1,490	1,470	1,740	1,725	1,689	1,638
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3,284	3,906	735	835	888	826	941	1,019	963	983
	Industri lain	1,955	2,760	486	476	488	505	618	672	722	748
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13,709	14,526	3,547	3,273	3,216	3,673	3,812	3,452	3,457	3,804
18110	Percetakan	10,953	11,353	2,919	2,646	2,577	2,812	2,899	2,677	2,737	3,041
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	2,756	3,172	628	628	639	861	913	776	720	764
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	249,901	224,749	45,669	60,286	75,616	68,330	55,680	56,542	58,478	54,050
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	74,078	68,175	20,084	17,918	18,339	17,737	18,784	16,292	16,825	16,274
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,036	1,706	333	536	577	590	529	385	367	424
20112 & 20113	Pembuatan kimia organik asas	38,698	34,217	10,674	9,021	9,784	9,219	9,870	7,970	8,360	8,018
20121 & 20129	Pembuatan sebatian bukan organik	5,859	4,778	1,669	1,464	1,387	1,339	1,417	1,241	1,108	1,013
20131	Pembuatan produk campuran nitrogen	21,813	22,266	6,104	5,562	4,997	5,150	5,553	5,399	5,713	5,600
	Pembuatan plastik dalam bentuk primer	5,671	5,208	1,304	1,334	1,595	1,438	1,415	1,298	1,276	1,220
	Industri lain										
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	37,507	44,200	8,940	8,694	9,643	10,230	10,849	10,495	11,343	11,514
20210	Pembuatan racun perosak dan produk agrokimia lain	4,109	5,078	1,047	920	930	1,212	1,246	1,209	1,327	1,295
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,181	13,718	2,629	2,464	2,479	2,609	3,126	3,314	3,611	3,668
20222	Pembuatan dakwat cetak	1,149	1,107	296	293	278	282	293	281	276	257
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	13,833	15,295	3,126	3,138	3,838	3,731	3,845	3,646	3,965	3,838
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri										
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	7,509	8,240	1,689	1,715	1,905	2,199	2,128	1,885	1,992	2,235
20299	Pembuatan dakwat menulis dan melukis										
	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	726	762	152	165	212	197	210	161	171	221
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10,181	10,708	2,412	2,501	2,695	2,573	2,702	2,629	2,714	2,663
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	8,413	8,789	2,022	2,092	2,223	2,076	2,218	2,186	2,206	2,180
	Industri lain	1,768	1,919	390	409	472	498	484	443	508	484
221	Pembuatan produk getah	65,736	59,737	16,499	18,756	15,766	14,715	14,721	16,387	14,416	14,213
22111	Pembuatan tayar getah untuk kenderaan	4,203	2,600	1,275	1,222	954	753	747	694	620	540
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	682	867	162	168	179	174	210	213	216	228
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	7,313	6,074	1,644	1,996	1,918	1,755	1,504	1,475	1,448	1,647
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	46,911	44,199	11,813	13,687	11,021	10,391	10,824	12,555	10,591	10,229
22199	Pembuatan produk getah lain yang t.t.t.l.	6,626	5,997	1,606	1,684	1,693	1,642	1,436	1,449	1,541	1,570
222	Pembuatan produk plastik	61,804	61,440	14,652	16,028	15,866	15,258	14,170	15,832	15,778	15,660
22201 & 22202	Pembuatan produk plastik separa siap	16,740	15,859	3,949	4,554	4,314	3,923	3,823	4,204	3,996	3,836
22203	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan barangan	21,473	21,068	4,569	5,526	5,751	5,627	4,817	5,424	5,431	5,395
22204	Pembuatan barangan plastik jurubina	2,163	3,053	486	568	577	532	622	760	839	832
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7,037	7,594	1,584	1,784	1,880	1,789	1,718	2,136	1,970	1,770
22209	Pembuatan pelbagai produk plastik t.t.t.l.	14,390	13,866	4,065	3,595	3,343	3,387	3,190	3,308	3,542	3,826
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,410	5,230	1,483	1,331	1,263	1,333	1,412	1,304	1,212	1,303

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
1,862	1,784	1,891	1,466	1,159	972	970	1,370	1,555	1,728	1,697	1,657	1,876	Manufacture of products of wood, cork, straw and plaiting materials	
960	917	969	741	569	468	460	672	807	906	886	842	969	Manufacture of veneer sheets and plywood	
505	498	540	419	344	282	282	386	442	470	465	477	531	Manufacture of particle board and fibreboard	
221	196	203	156	125	114	122	168	159	196	193	181	201	Manufacture of builders' carpentry	
176	173	179	151	121	108	106	144	146	156	153	157	175	Other industry	
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	Manufacture of paper and paper products	
498	512	461	458	467	414	417	478	492	502	488	489	507	Manufacture of pulp, paper and paperboard	
868	878	942	888	845	794	806	839	886	889	879	861	863	Manufacture of corrugated paper and paperboard and containers of paper and paperboard	
36	31	35	33	31	31	30	30	30	30	29	29	30	Manufacture of envelopes and letter-card	
540	566	634	616	566	543	540	587	562	540	559	539	555	Manufacture of household and personal hygiene paper	
282	309	350	369	298	351	327	317	319	327	323	333	352	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper	
193	209	216	219	230	223	233	244	245	242	255	250	272	Other industry	
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	Printing, service activities related to printing and reproduction of recorded media	
948	969	982	923	875	879	899	904	934	910	1,081	1,050	1,059	Printing	
314	315	284	266	257	252	245	244	231	242	260	262	262	Service activities related to printing	
													Reproduction of recorded media	
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	Manufacture of refined petroleum products	
6,184	6,168	6,432	5,444	5,510	5,338	5,404	5,980	5,440	5,289	5,472	5,513	5,877	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms	
198	177	154	132	137	116	128	124	115	126	156	143	144	Manufacture of liquefied or compressed inorganic industrial or medical gases	
3,255	3,264	3,351	2,778	2,602	2,590	2,646	3,017	2,697	2,494	2,724	2,799	3,011	Manufacture of basic organic chemicals	
485	455	477	425	463	353	349	402	357	359	339	315	290	Manufacture of inorganic compounds	
1,774	1,804	1,975	1,676	1,874	1,850	1,863	1,987	1,863	1,889	1,856	1,855	1,962	Manufacture of fertilizers	
473	468	474	434	435	429	419	451	407	422	396	401	470	Manufacture of associated nitrogen products	
3,618	3,460	3,771	3,282	3,591	3,622	3,665	3,860	3,818	3,789	3,826	3,899	4,446	Manufacture of plastics in primary forms	
435	389	423	394	378	436	435	452	441	463	432	400	448	Manufacture of other industry	
982	984	1,160	999	1,153	1,163	1,143	1,250	1,218	1,195	1,189	1,284	1,515	Manufacture of other chemical products and man-made fibres	
101	96	96	90	95	95	96	95	85	77	91	89	110	Manufacture of pesticides and other agrochemical products	
1,245	1,244	1,357	1,120	1,270	1,255	1,305	1,377	1,284	1,246	1,282	1,310	1,539	Manufacture of paints, varnishes and similar coatings ink and mastics	
785	681	662	618	643	624	627	641	725	742	758	735	768	Manufacture of printing ink	
71	66	72	60	53	48	60	45	66	66	75	80	65	Manufacture of soap and detergents, cleaning and polishing preparations	
875	885	942	898	821	910	885	905	925	933	871	859	904	Manufacture of perfumes and toilet preparations	
719	725	774	756	682	748	717	737	752	756	720	703	730	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials	
156	159	168	142	139	162	167	168	173	176	152	155	174	Manufacture of writing and drawing ink	
4,562	4,251	5,907	5,670	5,446	5,270	5,092	4,577	4,748	4,914	4,733	4,566	4,890	Manufacture of other chemical products n.e.c.	
254	239	254	226	239	229	224	201	195	203	170	167	177	Other industry	
61	71	78	68	73	72	68	70	78	79	77	72	75	Manufacture of pharmaceuticals, medicinal chemical and botanical products	
509	463	531	490	497	488	496	473	479	542	553	552	552	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments	
3,259	3,024	4,542	4,403	4,167	3,984	3,782	3,332	3,478	3,569	3,412	3,248	3,527	Other industry	
479	454	503	483	470	497	522	501	518	522	521	527	559	Manufacture of rubber products	
4,539	4,530	5,101	5,306	5,533	4,993	5,287	5,263	5,229	5,212	5,265	5,183	4,937	Manufacture of rubber tyres for vehicles	
1,210	1,240	1,373	1,371	1,464	1,368	1,358	1,302	1,336	1,310	1,264	1,262	1,234	Manufacture of interchangeable tyre treads and retreading rubber tyres	
1,565	1,555	1,698	1,799	1,921	1,703	1,842	1,803	1,786	1,786	1,838	1,771	1,680	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened	
162	201	260	254	264	241	276	279	284	279	294	259	248	Rubber remilling and latex processing	
560	507	651	721	714	702	676	664	631	634	562	573	564	Manufacture of rubber gloves	
1,043	1,028	1,120	1,161	1,169	978	1,134	1,215	1,193	1,202	1,308	1,317	1,212	Manufacture of other rubber products n.e.c.	
474	454	484	447	445	412	419	417	376	386	449	467	506	Manufacture of plastics products	
													Manufacture of semi-manufactures of plastic products	
													Manufacture of finished plastic products	
													Manufacture of plastic articles for the packing of goods	
													Manufacture of builders' plastics ware	
													Manufacture of plastic tableware, kitchenware and toilet articles	
													Manufacture of diverse plastic products n.e.c.	
													Manufacture of glass and glass products	

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	43,875	47,547	11,706	10,490	10,435	11,243	12,693	11,322	11,373	12,159
23911 & 23921	Pembuatan mortar refraktori dan konkrit	2,277	2,458	680	519	511	568	629	588	602	639
23930	Pembuatan produk porselin dan seramik lain	1,089	1,012	269	283	273	263	262	243	246	261
23941	Pembuatan simen hidrolik	10,925	12,283	2,768	2,612	2,609	2,936	3,383	2,970	2,873	3,057
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8,191	8,934	2,122	1,967	1,987	2,115	2,404	2,138	2,148	2,243
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	15,461	16,587	4,294	3,675	3,619	3,872	4,325	3,901	4,011	4,349
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4,414	4,620	1,147	1,071	1,079	1,117	1,242	1,062	1,102	1,214
	Industri lain	1,518	1,653	426	361	358	373	449	419	391	395
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	29,018	30,976	7,764	6,323	6,804	8,127	8,308	6,719	7,201	8,748
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	24,571	24,813	6,647	5,507	5,545	6,873	6,819	5,533	5,476	6,986
243	Pengacuan logam	620	667	148	157	147	168	157	166	168	177
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	28,731	32,069	7,616	6,987	6,719	7,409	8,155	8,090	7,579	8,244
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	20,096	22,561	5,581	4,850	4,582	5,084	5,823	5,770	5,266	5,702
25120	Pembuatan produk struktur logam lain										
	Pembuatan tangki, takungan dan kontena daripada logam	7,862	8,681	1,841	1,963	1,939	2,119	2,106	2,113	2,113	2,349
	Industri lain	773	827	194	174	199	206	226	207	200	193
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	35,818	38,167	9,091	9,123	8,413	9,191	9,607	9,275	9,153	10,132
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5,194	5,470	1,247	1,273	1,313	1,360	1,347	1,350	1,370	1,404
25920	Rawatan dan penyalutan logam; menggunakan mesin	3,556	4,010	834	851	863	1,008	1,117	942	881	1,070
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	5,846	6,221	1,576	1,421	1,435	1,415	1,467	1,461	1,563	1,730
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	12,166	11,949	3,418	3,273	2,591	2,884	3,078	2,970	2,814	3,086
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	260	294	62	63	68	67	73	72	73	76
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7,898	8,930	1,732	2,033	1,929	2,204	2,217	2,176	2,125	2,412
	Industri lain	899	1,293	221	210	215	253	308	305	327	353
261	Pembuatan komponen dan papan elektronik	346,163	354,760	78,482	80,304	93,471	93,905	91,403	86,283	92,043	85,031
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	206,533	200,443	49,034	48,639	54,376	54,483	51,831	47,614	53,011	47,987
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik										
26104 & 26105	Pembuatan papan litur bercetak	128,538	139,308	27,015	29,057	36,179	36,288	36,755	35,195	34,826	32,532
26109	Pembuatan komponen paparan										
	Pembuatan komponen lain untuk aplikasi elektronik	11,092	15,010	2,434	2,608	2,916	3,134	2,817	3,475	4,205	4,513
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	50,499	51,617	13,161	14,670	10,793	11,874	12,823	14,482	11,940	12,372
263/ 26300	Pembuatan peralatan komunikasi	14,515	20,566	3,645	3,500	3,542	3,828	4,038	5,251	6,011	5,266
264/ 26400	Pembuatan peralatan elektronik pengguna	42,850	42,208	11,003	10,095	11,235	10,516	9,986	9,727	11,729	10,766
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	18,336	18,911	4,424	3,915	4,894	5,103	4,552	3,959	4,897	5,503
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	16,116	16,835	3,944	3,372	4,297	4,503	4,103	3,521	4,315	4,895
26520	Pembuatan kelengkapan kawalan proses perindustrian										
	Pembuatan jam tangan dan jam dan bahagiannya	2,220	2,076	480	543	597	600	448	438	582	608
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	5,147	5,382	996	1,307	1,398	1,446	1,273	1,203	1,334	1,572

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
4,113	4,221	4,359	3,934	3,686	3,702	3,719	3,816	3,839	3,728	4,164	4,267	4,634	Manufacture of non-metallic mineral products n.e.c.	
202	210	217	198	198	193	187	195	219	207	219	213	229	Manufacture of refractory mortars and concretes	
93	88	81	81	83	80	83	85	79	85	89	87	79	Manufacture of non-refractory ceramic	
1,109	1,113	1,161	1,061	951	957	962	967	944	942	1,065	1,050	1,139	Manufacture of other porcelain and ceramic products	
782	802	820	718	709	711	721	722	706	677	769	797	853	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	
1,393	1,437	1,495	1,359	1,256	1,286	1,295	1,350	1,366	1,306	1,471	1,572	1,769	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.	
387	428	427	373	350	340	344	370	388	380	418	415	424	Manufacture of other non-metallic mineral products n.e.c.	
148	144	157	144	140	135	127	127	136	130	132	133	141	Other industry	
2,654	2,742	2,912	2,441	2,174	2,104	1,972	2,336	2,893	2,844	3,010	2,894	2,810	Manufacture of basic iron and steel	
2,236	2,255	2,327	2,241	1,853	1,438	1,362	1,785	2,328	2,368	2,304	2,314	2,265	Manufacture of basic precious and other non-ferrous metals	
52	51	54	55	54	57	49	58	60	61	58	57	65	Casting of metals	
2,817	2,584	2,753	2,729	2,673	2,688	2,515	2,534	2,530	2,556	2,726	2,963	3,111	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition	
1,991	1,891	1,941	1,935	1,927	1,908	1,702	1,794	1,771	1,742	1,879	2,081	2,219	Manufacture of metal doors, windows and their frames, shutters and gates	
749	620	736	725	677	711	743	672	697	752	781	816	825	Manufacture of other structural metal products	
77	73	76	68	69	70	70	68	62	62	66	65	67	Manufacture of tanks, reservoirs and containers of metal	
3,238	3,256	3,114	3,201	3,058	3,016	3,002	3,058	3,093	3,234	3,287	3,611	3,690	Other industry	
451	439	457	455	445	450	454	469	447	468	466	470	471	Manufacture of other fabricated metal products; metal working service activities	
405	389	324	329	305	307	304	275	302	333	329	408	428	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	
487	494	487	482	488	491	492	533	538	544	553	633	641	Treatment and coating of metals; machining	
1,029	1,050	1,000	994	998	978	943	935	937	991	1,008	1,088	1,142	Manufacture of tins and cans for food products, collapsible tubes and boxes	
25	24	24	25	24	23	25	24	24	26	25	26	28	Manufacture of metal cable, plaited bands and similar articles	
741	759	717	808	695	673	683	709	734	760	784	868	862	Manufacture of bolts, screws, nuts and similar threaded products	
101	101	106	108	102	95	104	112	112	113	122	118	117	Manufacture of metal household articles	
26,192	30,366	34,845	27,463	27,561	31,258	28,660	30,278	33,106	30,059	27,813	27,159	25,596	Manufacture of any other fabricated metal products n.e.c.	
15,208	16,733	19,891	14,665	15,171	17,778	16,886	17,406	18,719	17,006	15,168	15,812	14,200	Other industry	
10,127	12,740	13,888	11,764	11,262	12,169	10,545	11,564	12,717	11,482	11,167	9,882	9,728	Manufacture of electronic components and boards	
858	894	1,065	1,035	1,129	1,311	1,228	1,307	1,670	1,571	1,477	1,465	1,668	Manufacture of diodes, transistors and similar semiconductor devices	
4,127	4,527	4,168	5,447	4,606	4,428	4,360	4,587	2,993	4,259	3,932	4,181	4,767	Manufacture of electronic integrated circuits micro assemblies	
1,190	1,242	1,605	1,591	1,652	2,008	1,685	1,958	2,368	1,664	1,679	1,924	1,691	Manufacture of electrical capacitors and resistors	
3,048	3,165	3,773	3,177	3,240	3,310	3,563	3,814	4,352	3,792	3,746	3,229	3,075	Manufacture of printed circuit boards	
1,600	1,370	1,582	1,195	1,274	1,490	1,482	1,557	1,859	1,851	1,818	1,835	1,730	Manufacture of display components	
1,440	1,231	1,433	1,062	1,135	1,324	1,291	1,368	1,657	1,642	1,614	1,639	1,559	Manufacture of other components for electronic applications	
161	139	149	133	139	166	191	189	202	209	204	195	171	Manufacture of computers and peripheral equipment	
398	407	468	389	383	430	403	469	461	510	553	509	590	Manufacture of communication equipment	
													Manufacture of consumer electronics	
													Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
													Manufacture of measuring, testing, navigating and control equipment	
													Manufacture of industrial process control equipment	
													Manufacture of watches and clocks and parts	
													Manufacture of irradiation, electromedical and electrotherapeutic equipment	

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

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2,249	2,794	495	521	622	612	623	627	763	781
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	17,122	19,166	3,853	4,205	4,621	4,442	4,201	4,450	5,587	4,928
	27101 Pembuatan motor elektrik, penjana dan transformer	5,476	5,224	1,297	1,420	1,435	1,325	1,169	1,159	1,533	1,362
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	11,645	13,941	2,556	2,785	3,187	3,118	3,032	3,291	4,053	3,565
272/ 27200	Pembuatan bateri dan akumulator	6,645	6,421	1,218	1,367	1,955	2,104	1,571	1,710	1,447	1,692
273	Pembuatan pendawaian dan peranti pendawaian	10,643	9,713	2,691	2,734	2,708	2,510	2,436	2,385	2,490	2,402
	27310 Pembuatan kabel gantian optikal	354	450	84	93	87	90	104	120	122	106
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	9,610	8,681	2,417	2,450	2,460	2,282	2,191	2,118	2,216	2,156
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	679	581	190	191	161	138	141	147	153	141
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,635	1,789	368	392	442	433	402	397	518	472
275/ 27500	Pembuatan perkakasan domestik	11,917	11,454	2,748	2,898	3,188	3,083	2,824	2,889	3,093	2,648
279/ 27900	Pembuatan kelengkapan elektrik lain	8,087	9,320	1,948	1,865	2,080	2,194	2,148	2,325	2,510	2,338
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	45,720	44,872	10,312	11,805	11,481	12,123	10,815	11,534	10,552	11,971
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	2,983	2,670	531	750	851	852	598	590	627	855
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	10,965	10,653	2,329	2,946	2,765	2,925	2,481	2,692	2,535	2,945
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	11,209	9,379	3,020	3,200	2,535	2,454	2,366	2,640	1,958	2,416
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	8,316 12,248	8,173 13,996	1,587 2,845	1,933 2,975	2,252 3,078	2,544 3,349	2,170 3,201	2,137 3,474	1,831 3,601	2,035 3,720
291 (29101 & 29102)	Pembuatan kenderaan bermotor	43,437	49,965	9,874	9,343	9,925	14,295	12,356	9,860	11,663	16,085
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,706	8,423	1,985	2,077	1,532	2,112	2,099	2,050	1,944	2,330
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	38,077	42,867	8,926	9,291	10,078	9,781	10,188	10,295	11,301	11,083
301 (30110 & 30120)	Pembinaan kapal dan bot	5,169	5,777	1,285	1,164	1,176	1,544	1,622	1,529	1,154	1,472
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	10,521	10,269	2,548	2,578	2,475	2,920	2,455	2,417	2,480	2,917
	30910 Pembuatan motosikal	2,577	2,722	537	658	648	733	600	637	715	770
	30920 Pembuatan basikal dan <i>invalid carriages</i>	2,879	2,327	659	720	705	795	616	610	518	583
	Industri lain	5,066	5,220	1,352	1,200	1,121	1,392	1,239	1,170	1,247	1,564
310	Pembuatan perabot	17,101	17,130	5,017	3,840	3,722	4,522	4,729	3,766	3,671	4,964
	31001 Pembuatan perabot kayu dan rotan	8,667	8,542	2,670	1,849	1,915	2,233	2,416	1,823	1,866	2,437
	Industri lain	8,434	8,588	2,347	1,991	1,807	2,290	2,313	1,943	1,805	2,526
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,651	5,573	1,225	1,654	1,388	1,383	1,304	1,521	1,286	1,462
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6,168	6,956	1,529	1,521	1,609	1,510	1,594	1,800	1,893	1,669
	32901 Pembuatan alat tulis	1,518	1,611	352	376	432	358	403	417	416	376
	Industri lain	4,650	5,345	1,177	1,145	1,176	1,151	1,191	1,383	1,478	1,293
323/ 32300	Pembuatan barangan sukan	211	244	55	52	48	57	64	67	53	59
324/ 32400	Pembuatan permainan dan mainan	639	542	184	179	130	145	132	168	124	119
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,746	6,163	1,517	1,244	1,295	1,689	1,629	1,386	1,433	1,714
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2,121	2,289	537	460	500	624	591	502	546	649
	Industri lain	3,625	3,874	980	784	795	1,066	1,038	884	887	1,065
Jumlah Pembuatan		1,800,930	1,804,035	415,298	443,489	467,562	474,582	449,424	439,208	453,856	461,548

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
194	198	232	202	205	220	242	261	260	257	267	258	281	Manufacture of optical instruments, photographic equipment, magnetic and optical media	
1,423	1,329	1,449	1,427	1,461	1,562	1,757	1,895	1,935	1,731	1,631	1,566	1,545	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	
411	376	383	382	383	395	452	538	543	489	446	427	431	Manufacture of electric motors, generators and transformers	
1,012	953	1,066	1,045	1,079	1,167	1,305	1,357	1,392	1,241	1,185	1,140	1,114	Manufacture of electricity distribution and control apparatus	
583	503	486	542	547	620	414	465	569	580	556	556	544	Manufacture of batteries and accumulators	
815	821	800	794	788	803	811	833	847	823	805	773	829	Manufacture of wiring and wiring devices	
35	33	35	37	41	42	42	46	33	36	32	37	38	Manufacture of fibre optic cables	
735	742	715	711	696	711	721	733	762	740	725	691	736	Manufacture of other electronic and electric wires and cables	
45	46	50	46	51	50	48	53	52	48	47	45	54	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material	
132	134	136	122	138	137	165	177	175	163	162	148	167	Manufacture of electric lighting equipment	
911	914	999	992	926	971	953	1,122	1,018	909	877	862	953	Manufacture of domestic appliances	
719	700	728	719	792	814	810	828	872	797	786	755	735	Manufacture of other electrical equipment	
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	Manufacture of general-purpose and special-purpose machinery	
													Manufacture of fluid power equipment	
212	213	173	199	191	200	167	186	274	273	302	280	230	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	
860	823	798	891	894	907	816	850	870	878	1,017	1,049	961	Manufacture of metal-forming machinery and machine tools	
													Manufacture of air-conditioning machines, including for motor vehicles	
798	759	809	920	947	773	591	698	669	721	821	875	845		
730	680	760	789	648	700	634	524	672	685	674	676	585	Manufacture of other special-purpose machinery n.e.c.	
1,093	1,052	1,056	1,078	1,188	1,208	1,114	1,308	1,178	1,205	1,289	1,226	1,191	Other industry	
4,253	3,796	4,307	2,846	3,685	3,329	3,920	3,633	4,111	4,922	5,740	5,422	5,504	Manufacture of motor vehicles	
697	639	762	712	739	599	662	646	636	774	813	743	523	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	
3,293	3,266	3,629	3,096	3,684	3,515	3,843	3,889	3,569	3,459	3,934	3,690	3,851	Manufacture of parts and accessories for motor vehicles	
508	513	601	656	445	428	354	356	444	560	459	453	446	Building of ships and boats	
815	752	888	805	798	814	818	827	834	897	1,059	961	928	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c	
205	191	204	202	206	228	243	234	237	234	268	268	290	Manufacture of motorcycles	
210	200	206	203	208	199	172	176	170	190	203	190	201	Manufacture of bicycles and invalid carriages	
400	361	478	399	385	386	403	417	427	473	588	503	437	Other industry	
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	Manufacture of furniture	
788	790	838	641	663	518	559	619	688	751	848	838	896	Manufacture of wooden and cane furniture	
799	722	792	671	748	524	550	547	708	810	848	868	898	Other industry	
473	416	415	491	531	498	375	397	514	453	511	498	531	Manufacture of jewellery, bijouterie and related articles	
523	538	534	588	640	571	615	647	631	575	551	543	531	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.	
136	135	133	140	142	135	137	148	130	128	119	128	129	Manufacture of stationery	
387	403	401	448	498	436	478	499	501	447	431	416	402	Other industry	
21	20	24	27	22	18	19	16	18	19	19	21	23	Manufacture of sports goods	
45	39	49	57	69	41	38	41	45	45	38	36	38	Manufacture of games and toys	
530	511	589	578	402	406	407	449	578	557	599	557	548	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment	
186	177	228	231	136	135	140	170	236	213	228	208	203	Repair and maintenance of transport equipment except motorcycles and bicycles	
344	334	360	347	266	271	266	279	342	344	371	349	345	Other industry	
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	Total Manufacturing	

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				2022			
		2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	11.8	5.7	15.5	17.1	8.5	7.2	6.3	9.8	5.2	1.9
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.0	6.0	-14.5	-11.1	-2.8	-6.7	1.0	3.7	10.5	8.9
10201 & 10202	Pengetinan ikan, krustasea dan moluska	-9.7	5.2	-15.2	-11.8	-3.5	-7.2	0.2	2.4	10.1	8.1
	Pemprosesan dan pengawetan ikan, krustasea dan moluska										
	Industri lain	4.0	19.5	-1.3	5.6	11.5	1.5	15.7	25.6	15.8	21.2
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.6	31.0	-14.7	-3.8	19.4	11.8	16.4	36.0	36.9	34.4
10303 & 10304	Pengetinan nanas	-2.0	58.2	-36.1	-9.6	26.8	27.7	50.0	87.3	50.8	49.5
	Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	2.6	24.3	-8.4	-2.5	17.5	8.0	9.5	25.1	32.9	30.1
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	12.8	-11.2	22.6	17.4	9.7	5.1	4.7	-25.4	-13.8	-5.4
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	19.9	0.8	7.5	20.0	25.3	25.0	22.3	-0.2	-11.1	-1.4
	Pembuatan sebatian lemak masakan										
10405	Pembuatan minyak kelapa	34.4	-19.9	7.8	47.1	76.7	22.9	-15.4	-24.6	-25.2	-14.3
	Industri lain	11.9	-12.6	25.0	17.0	7.5	3.1	2.8	-28.2	-14.1	-5.8
105	Pembuatan produk tenusu	12.1	-0.1	13.8	12.5	14.9	7.7	3.9	4.8	-5.1	-3.6
10502	Pembuatan susu pekat, tepung dan sejat	13.1	-0.4	15.5	13.7	15.3	8.3	4.8	4.9	-6.0	-5.0
	Industri lain	-0.1	4.0	-5.2	-3.6	10.3	-1.0	-9.2	2.4	7.6	15.5
106	Pembuatan produk bijian, kanji dan produk berkanji	22.1	5.1	24.5	24.6	22.1	17.4	9.6	1.0	6.2	4.0
10611 & 10613	Pengilangan beras	32.7	3.2	51.1	33.8	29.8	20.9	12.7	-1.1	1.6	0.7
	Pengilangan tepung	14.0	7.6	8.6	17.0	16.0	14.7	6.9	3.6	11.5	8.5
	Industri lain	4.4	-3.7	-7.1	7.9	6.5	10.7	6.5	-4.6	-1.6	-13.1
107	Pembuatan produk makanan lain	9.7	8.3	4.3	11.3	14.8	8.6	6.9	6.7	7.3	12.1
10711 & 10712	Pembuatan biskut dan cookies	47.1	23.0	40.6	61.3	70.5	25.4	5.2	12.6	33.0	40.8
	Pembuatan roti, kek dan produk bakeri lain	0.9	10.7	-10.3	2.0	4.2	8.4	18.4	10.7	7.4	7.2
10713	Pembuatan produk snek	20.8	16.9	18.1	25.7	30.1	11.5	0.9	10.2	25.6	30.6
10721	Pembuatan gula	-5.5	17.6	-1.1	-0.1	-6.1	-13.8	-7.2	13.6	28.5	37.5
10731	Pembuatan produk koko	0.0	6.2	-6.7	-2.8	6.9	3.7	4.6	7.6	4.8	7.8
10732 & 10733	Pembuatan coklat dan produk coklat	12.0	-2.2	8.7	12.6	17.0	9.6	1.7	-4.7	-6.7	1.2
	Pembuatan konfeksi gula										
10793	Pembuatan sos dan bahan perasa	3.6	7.5	8.7	6.0	9.0	-7.0	-3.4	2.5	15.2	16.2
10799	Pembuatan produk makanan lain t.t.t.l.	31.2	5.3	25.7	32.5	33.7	32.6	12.3	5.7	-1.2	5.5
	Industri lain	9.3	11.0	1.8	9.4	17.9	8.5	11.7	14.0	8.4	10.2
108/10800	Pembuatan makanan haiwan tersedia	25.3	17.4	42.2	24.4	20.5	18.8	20.2	16.2	18.2	15.3
110	Pembuatan minuman ringan	19.6	2.7	6.3	30.5	42.2	7.6	0.2	3.2	1.4	5.8
11041 & 11042	Pembuatan minuman ringan	7.3	6.2	10.1	14.7	3.1	2.8	-2.5	7.2	11.4	9.0
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.1	3.7	3.3	7.1	1.9	-3.4	-3.7	3.3	7.9	7.7
	Industri lain	52.7	-2.8	1.8	74.9	267.6	20.1	5.6	-2.3	-13.6	0.4
120/12000	Pembuatan produk tembakau	16.0	17.6	4.7	32.1	155.9	-16.4	17.4	27.0	18.6	9.0
131	Pemintalan, penenunan dan penyiapan tekstil	6.3	-12.3	7.7	-0.3	19.0	1.1	-11.8	-8.8	-12.8	-16.0
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	7.6	-11.9	7.9	-5.9	27.1	6.6	-8.5	-5.3	-13.6	-20.3
	Penenunan tekstil										
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.5	-13.1	6.9	20.3	2.5	-11.3	-21.5	-18.1	-9.7	-2.5
	Industri lain	-15.2	-30.1	9.6	12.4	-32.3	-31.9	-22.7	-31.3	-32.8	-34.3
139	Pembuatan tekstil lain	11.7	10.8	23.7	21.6	4.2	1.2	10.6	8.5	10.1	14.0
13910 & 13912	Pembuatan fabrik dikait dan dikrusye	3.0	-1.8	8.8	9.6	-0.3	-4.8	-0.6	-0.9	-2.4	-3.5
	Industri lain	19.9	21.2	39.8	33.6	8.0	6.6	20.2	16.3	20.0	27.9
141	Pembuatan pakaian, kecuali pakaian berbulu	3.6	5.0	3.3	8.5	5.2	-1.3	2.4	6.8	7.2	3.8
14102	Pembuatan pakaian	2.1	5.7	2.4	5.6	1.8	-1.1	2.7	9.0	7.8	3.8
	Industri lain	16.5	-0.2	9.1	32.3	41.8	-3.3	0.6	-7.6	2.0	4.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	0.6	18.8	-8.0	-11.2	28.8	0.7	18.9	19.8	14.5	21.8
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	29.0	7.5	16.8	31.6	64.1	17.8	6.4	13.4	5.7	5.8
152	Pembuatan kasut	4.1	12.6	-18.2	6.9	35.9	7.5	6.2	15.9	14.0	14.7
15201 & 15203	Pembuatan kasut kulit	12.3	16.1	-19.3	13.3	67.0	16.0	13.3	24.6	11.1	16.5
	Pembuatan kasut getah										
	Industri lain	-7.7	6.5	-16.6	-1.4	-2.8	-6.3	-4.5	3.1	20.2	11.0
161/16100	Pengilangan dan pengetaman kayu	13.4	-2.7	9.9	18.4	28.9	2.9	1.6	3.3	-7.7	-7.2

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

(%)

2023												2024		Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
-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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	2022				2022			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	16.7	8.4	10.3	23.6	32.2	5.9	8.4	7.9	9.0	8.1
23911 & 23921	Pembuatan mortar refraktori dan konkrit	6.1	7.9	-6.5	2.9	68.2	-7.2	-7.5	13.3	17.8	12.6
23930	Pembuatan produk porselin dan seramik lain	8.2	-7.0	7.4	16.8	15.8	-5.1	-2.8	-14.1	-9.7	-1.0
23941	Pembuatan simen hidrolik	22.1	12.4	6.0	23.3	57.1	14.9	22.2	13.7	10.1	4.1
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	23.8	9.1	24.6	40.6	34.1	4.1	13.3	8.7	8.1	6.1
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	8.2	17.5	16.7	0.4	0.7	6.1	10.8	12.3
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	21.8	4.7	15.0	28.8	25.0	20.0	8.3	-0.8	2.1	8.7
	Industri lain	24.9	8.9	21.1	38.6	44.8	4.7	5.4	15.9	9.2	5.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	9.6	6.7	14.4	17.5	9.4	0.5	7.0	6.3	5.8	7.6
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	8.8	1.0	5.7	15.0	13.1	4.2	2.6	0.5	-1.2	1.6
243	Pengacuan logam	20.6	7.6	20.8	24.6	30.0	10.1	6.3	5.7	13.8	4.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	17.0	11.6	16.5	22.8	25.3	6.4	7.1	15.8	12.8	11.3
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	16.9	12.3	19.0	25.2	19.3	6.2	4.3	19.0	14.9	12.2
25120	Pembuatan produk struktur logam lain	18.4	10.4	12.4	19.7	41.3	6.5	14.3	7.6	9.0	10.9
	Pembuatan tangki, takungan dan kontena daripada logam	18.4	10.4	12.4	19.7	41.3	6.5	14.3	7.6	9.0	10.9
	Industri lain	7.6	7.0	-6.5	-1.2	33.6	10.8	16.9	18.9	0.9	-6.4
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	10.4	6.6	1.7	15.5	27.7	1.8	5.7	1.7	8.8	10.2
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	24.0	5.3	16.3	24.0	43.7	15.7	7.9	6.1	4.3	3.2
25920	Rawatan dan penyalutan logam; menggunakan mesin	21.8	12.8	4.4	26.6	45.7	17.7	33.9	10.6	2.1	6.2
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.5	6.4	-1.0	0.2	4.3	-12.1	-6.9	2.8	9.0	22.3
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.7	-1.8	-4.9	17.4	21.7	-13.4	-9.9	-9.3	8.6	7.0
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.7	-1.8	-4.9	17.4	21.7	-13.4	-9.9	-9.3	8.6	7.0
25994	Pembuatan barangan rumah daripada logam	7.7	13.2	2.0	-7.8	20.8	19.6	17.4	15.2	7.5	13.1
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21.0	13.1	5.3	17.1	43.1	22.4	28.0	7.0	10.2	9.4
	Industri lain	21.7	43.8	30.3	11.1	22.0	24.2	39.4	45.1	52.0	39.6
261	Pembuatan komponen dan papan elektronik	28.9	2.5	23.1	36.7	31.8	25.0	16.5	7.4	-1.5	-9.4
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	34.0	-2.9	34.3	43.3	37.7	23.4	5.7	-2.1	-2.5	-11.9
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	34.0	-2.9	34.3	43.3	37.7	23.4	5.7	-2.1	-2.5	-11.9
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik	21.4	8.4	6.5	27.3	23.7	27.6	36.1	21.1	-3.7	-10.4
26109	Pembuatan papan litar bercetak	21.4	8.4	6.5	27.3	23.7	27.6	36.1	21.1	-3.7	-10.4
26109	Pembuatan komponen paparan	29.8	35.3	28.3	32.4	33.6	25.6	15.8	33.2	44.2	44.0
26109	Pembuatan komponen lain untuk aplikasi elektronik	29.8	35.3	28.3	32.4	33.6	25.6	15.8	33.2	44.2	44.0
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	8.0	2.2	11.5	10.6	15.8	-4.0	-2.6	-1.3	10.6	4.2
263/ 26300	Pembuatan peralatan komunikasi	0.3	41.7	-12.4	4.9	11.6	0.9	10.8	50.0	69.7	37.6
264/ 26400	Pembuatan peralatan elektronik pengguna	11.0	-1.5	14.5	16.6	26.6	-8.1	-9.3	-3.6	4.4	2.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	30.3	3.1	34.9	37.4	37.7	16.2	2.9	1.1	0.1	7.9
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	31.7	4.5	37.6	37.2	37.3	19.0	4.0	4.4	0.4	8.7
26520	Pembuatan kelengkapan kawalan proses perindustrian	20.9	-6.5	16.4	38.8	40.9	-1.6	-6.6	-19.3	-2.6	1.3
26520	Pembuatan jam tangan dan jam dan bahagiannya	20.9	-6.5	16.4	38.8	40.9	-1.6	-6.6	-19.3	-2.6	1.3
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-34.3	4.6	-49.3	-39.4	-36.7	-3.4	27.8	-8.0	-4.6	8.7

(%)

2023												2024		Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
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	Manufacture of non-metallic mineral products n.e.c.	
-13.3	-3.7	-5.3	11.4	28.6	2.6	11.6	18.6	22.9	21.1	14.0	4.2	13.5	Manufacture of refractory mortars and concretes	
2.5	-2.5	-8.6	-13.6	-12.2	-16.5	-13.4	-6.6	-8.8	-1.0	1.6	-3.5	-15.0	Manufacture of non-refractory ceramic	
25.3	21.7	19.8	13.7	14.2	13.2	13.6	8.8	8.1	4.1	5.9	2.4	2.7	Manufacture of other porcelain and ceramic products	
8.1	18.7	13.5	8.6	8.9	8.6	10.8	6.5	7.2	6.6	7.6	4.2	9.1	Manufacture of hydraulic cement	
													Manufacture of ready-mix and dry-mix concrete and mortars	
													Manufacture of precast concrete, cement or artificial stone articles for use in construction	
-7.9	6.1	4.8	-0.9	9.4	11.2	8.8	9.9	13.8	10.3	12.4	14.0	27.0	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone	
													Manufacture of other articles of concrete, cement and plaster n.e.c.	
3.5	15.7	5.9	3.2	5.6	-10.3	-8.9	3.7	12.4	8.6	8.5	8.9	9.6	Manufacture of other non-metallic mineral products n.e.c.	
3.6	5.6	6.9	15.3	15.3	17.2	12.9	6.4	8.6	12.7	2.1	3.5	-5.0	Other industry	
-3.9	12.6	13.5	2.1	5.1	12.9	13.3	1.2	5.0	4.6	9.9	8.4	5.9	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	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	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	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	Manufacture of metal doors, windows and their frames, shutters and gates	
16.3	2.3	24.5	9.8	12.3	1.6	13.7	1.9	11.5	12.3	10.8	9.6	10.2	Manufacture of other structural metal products	
10.5	19.9	21.2	21.0	23.7	12.5	9.8	-10.3	5.6	-2.8	0.7	-15.3	-13.3	Manufacture of tanks, reservoirs and containers of metal	
3.3	10.8	3.1	-2.9	4.2	4.2	8.5	8.9	9.0	8.2	9.3	13.0	14.0	Other industry	
8.8	9.1	6.0	5.4	8.3	4.6	6.1	6.7	0.2	1.8	3.1	4.8	4.6	Manufacture of other fabricated metal products; metal working service activities	
44.5	48.1	10.9	9.4	16.3	6.7	4.4	4.9	-2.4	4.3	3.8	10.0	5.9	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	
-13.6	-3.1	-3.3	-3.5	11.6	1.4	6.3	9.0	11.5	17.2	19.6	29.6	31.8	Treatment and coating of metals; machining	
													Manufacture of tins and cans for food products, collapsible tubes and boxes	
-13.5	-4.0	-12.0	-15.6	-10.5	-0.3	6.0	8.0	12.0	5.4	8.0	7.7	11.0	Manufacture of metal cable, plaited bands and similar articles	
20.1	27.2	6.7	22.8	17.5	5.8	4.2	8.8	9.8	15.1	13.9	10.3	12.3	Manufacture of bolts, screws, nuts and similar threaded products	
26.5	29.7	27.8	2.3	12.2	7.8	13.5	8.0	9.4	8.0	6.9	13.2	16.3	Manufacture of metal household articles	
23.0	55.6	43.4	41.2	51.3	43.4	46.0	52.6	57.5	43.7	40.3	35.3	16.1	Manufacture of any other fabricated metal products n.e.c.	
13.8	18.4	16.8	9.5	6.5	6.5	3.5	-2.5	-4.6	-7.2	-11.6	-9.6	-2.3	Other industry	
6.3	4.8	6.0	-6.3	-0.7	0.4	3.9	-4.8	-5.6	-10.8	-13.9	-11.1	-6.6	Manufacture of electronic components and boards	
													Manufacture of diodes, transistors and similar semiconductor devices	
													Manufacture of electronic integrated circuits micro assemblies	
													Manufacture of electrical capacitors and resistors	
28.5	42.6	36.1	36.4	15.7	13.7	-0.5	-2.3	-7.5	-5.6	-12.7	-12.8	-3.9	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	Manufacture of display components	
-3.4	-2.3	-2.0	-7.7	12.3	-5.1	12.4	10.9	7.8	4.3	5.0	3.4	15.5	Manufacture of other components for electronic applications	
6.2	12.3	13.2	51.6	52.6	46.8	81.3	68.7	63.1	35.2	35.5	41.6	42.1	Manufacture of computers and peripheral equipment	
-16.7	-5.6	-5.5	-14.2	3.7	1.3	5.7	2.1	5.4	6.7	0.2	0.1	0.9	Manufacture of communication equipment	
-10.5	12.1	11.9	2.9	6.8	-4.5	-4.0	-5.0	8.6	9.5	7.6	6.5	8.1	Manufacture of consumer electronics	
-10.7	14.4	14.1	7.6	10.9	-2.8	-3.8	-4.7	9.1	10.9	9.1	6.3	8.3	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
-8.5	-5.4	-5.5	-23.6	-18.2	-16.5	-5.4	-7.0	5.0	-0.4	-3.4	9.0	6.4	Manufacture of measuring, testing, navigating and control equipment	
25.8	26.5	30.8	-15.7	10.1	-13.4	-9.2	-8.9	5.3	10.6	2.6	14.2	48.4	Manufacture of industrial process control equipment	
													Manufacture of watches and clocks and parts	
													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	2022				2022			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	33.7	24.2	33.7	36.2	67.7	9.5	26.0	20.2	22.7	27.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	33.3	11.9	37.9	36.0	43.8	18.6	9.0	5.8	20.9	10.9
27101	Pembuatan motor elektrik, penjana dan transformer	17.2	-4.6	25.6	27.1	19.3	0.4	-9.8	-18.4	6.9	2.9
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	42.5	19.7	45.1	41.1	58.5	28.5	18.6	18.2	27.2	14.4
272/ 27200	Pembuatan bateri dan akumulator	33.6	-3.4	25.8	12.8	33.6	58.0	29.0	25.1	-26.0	-19.6
273	Pembuatan pendawaian dan peranti pendawaian	0.02	-8.7	12.3	6.0	1.3	-16.1	-9.5	-12.8	-8.0	-4.3
27310	Pembuatan kabel gentian optikal	14.9	27.3	33.9	48.7	2.5	-8.1	23.6	28.7	39.6	17.4
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.1	-9.7	11.0	5.4	2.7	-15.4	-9.3	-13.5	-9.9	-5.5
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.4	-14.4	22.1	-1.1	-16.0	-28.9	-25.6	-23.3	-5.0	2.2
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	27.1	9.4	28.5	28.0	38.7	15.4	9.3	1.2	17.2	8.9
275/ 27500	Pembuatan perkakasan domestik	8.7	-3.9	7.6	12.3	17.8	-1.4	2.8	-0.3	-3.0	-14.1
279/ 27900	Pembuatan kelengkapan elektrik lain	4.0	15.2	16.7	-2.9	3.7	0.7	10.3	24.7	20.7	6.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	6.9	-1.9	9.3	4.6	7.7	6.3	4.9	-2.3	-8.1	-1.3
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.4	-10.5	-14.7	-1.4	23.3	1.5	12.7	-21.2	-26.3	0.3
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.0	-2.8	-3.3	-1.4	3.4	5.1	6.5	-8.6	-8.3	0.7
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-6.1	-16.3	10.9	3.2	-12.6	-23.6	-21.7	-17.5	-22.8	-1.5
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	37.9	-1.7	28.5	15.6	45.6	61.4	36.7	10.5	-18.7	-20.0
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	10.8	14.3	16.6	7.5	8.3	11.8	12.5	16.8	17.0	11.1
291 (29101 & 29102)	Pembuatan kenderaan bermotor	12.7	15.0	5.8	21.0	22.1	7.0	25.1	5.5	17.5	12.5
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	17.6	9.3	29.7	19.2	20.6	5.1	5.8	-1.3	26.9	10.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	17.9	12.6	2.7	19.1	46.2	9.8	14.1	10.8	12.1	13.3
301 (30110 & 30120)	Pembinaan kapal dan bot	0.9	11.8	7.2	2.6	-3.9	-1.3	26.2	31.3	-1.9	-4.7
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	17.1	-2.4	0.4	19.3	38.5	16.9	-3.7	-6.3	0.2	-0.1
30910	Pembuatan motosikal	26.3	5.6	-11.4	21.2	69.4	44.1	11.7	-3.2	10.3	5.1
30920	Pembuatan basikal dan <i>invalid carriages</i>	24.3	-19.2	2.3	40.1	46.5	17.3	-6.5	-15.3	-26.6	-26.7
	Industri lain	9.5	3.0	5.1	8.7	21.4	6.1	-8.4	-2.5	11.2	12.4
310	Pembuatan perabot	9.8	0.2	6.7	18.9	29.4	-5.2	-5.7	-1.9	-1.4	9.8
31001	Pembuatan perabot kayu dan rotan	1.0	-1.4	-11.9	2.7	35.4	-4.4	-9.5	-1.4	-2.6	9.2
	Industri lain	20.5	1.8	40.3	39.3	23.6	-6.0	-1.5	-2.4	-0.1	10.3
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	25.5	-1.4	-8.1	19.0	133.9	16.8	6.4	-8.1	-7.3	5.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubahan dan pergigian dan pembuatan lain t.t.t.l.	10.7	12.8	13.1	13.6	17.0	0.1	4.3	18.3	17.7	10.6
32901	Pembuatan alat tulis	9.5	6.1	-4.0	1.0	37.2	7.7	14.6	11.0	-3.9	4.8
	Industri lain	11.0	14.9	19.4	18.5	11.0	-2.0	1.2	20.7	25.6	12.4
323/ 32300	Pembuatan barangan sukan	5.4	15.5	-1.4	-12.0	30.1	15.5	16.6	30.6	11.7	4.1
324/ 32400	Pembuatan permainan dan mainan	2.6	-15.1	27.9	16.7	-3.4	-23.8	-28.1	-6.5	-5.1	-18.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.9	7.3	6.1	10.1	10.2	6.2	7.4	11.5	10.6	1.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	17.8	7.9	13.1	24.6	22.4	13.9	10.2	9.3	9.2	4.0
	Industri lain	2.8	6.9	2.6	3.1	3.7	2.1	5.9	12.8	11.5	-0.1
Jumlah Pembuatan		15.8	0.2	12.8	17.4	22.5	11.1	8.2	-1.0	-2.9	-2.7

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
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	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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of general-purpose and special-purpose machinery	
11.5	24.1	2.4	-25.5	-13.2	-23.7	-30.6	-39.1	-9.9	-12.5	6.4	9.2	8.6	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	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Total Manufacturing	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	0.3	2.1	1.5	3.2	-0.5	5.5	-2.8	-0.1	1.9	5.4
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-7.1	0.0	-2.0	2.5	0.7	2.6	4.4	1.0	8.1	-10.7
10201 & 10202	Pengetinan ikan, krustasea dan moluska	-7.2	0.4	-2.6	2.2	0.2	2.6	4.7	0.3	8.6	-11.6
	Pemprosesan dan pengawetan ikan, krustasea dan moluska										
	Industri lain	-5.8	-6.6	8.1	6.8	7.4	1.3	-0.4	11.7	1.6	2.5
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	6.0	-0.7	2.6	3.5	10.3	16.0	3.3	1.7	4.7	3.5
10303 & 10304	Pengetinan nanas	-7.7	2.7	28.2	5.1	8.4	28.3	3.2	4.1	8.7	6.8
	Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	9.4	-1.4	-2.8	3.1	10.9	12.6	3.3	0.9	3.7	2.6
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-20.8	41.6	-6.5	0.3	-21.1	0.8	8.1	10.1	-18.1	-5.4
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	-2.8	28.7	13.5	-12.0	-4.9	5.1	1.1	-2.3	-17.4	6.7
	Pembuatan sebatian lemak masakan										
10405	Pembuatan minyak kelapa	15.7	-3.3	14.2	-3.9	-20.3	-13.8	13.2	10.2	-17.8	-13.9
	Industri lain	-22.8	43.6	-8.9	2.0	-23.1	0.3	9.1	11.9	-18.1	-6.9
105	Pembuatan produk tenusu	3.9	3.2	1.8	-1.3	0.2	4.1	-7.8	0.2	-3.1	2.6
10502	Pembuatan susu pekat, tepung dan sejat	4.1	3.7	1.3	-1.0	0.7	3.8	-9.2	0.1	-3.6	3.8
	Industri lain	2.0	-4.4	8.2	-6.2	-6.5	7.8	13.8	0.7	3.7	-13.4
106	Pembuatan produk bijian, kanji dan produk berkanji	8.8	10.3	-6.1	4.3	1.5	1.6	-1.3	2.1	-4.7	6.7
10611 & 10613	Pengilangan beras	9.9	18.0	-7.3	0.6	2.4	3.6	-4.8	-0.3	-7.4	17.4
	Pengilangan tepung	9.1	3.4	-5.1	7.1	1.7	0.2	2.2	4.2	-1.9	-2.0
	Industri lain	-10.4	3.8	-0.5	19.7	-13.8	-7.1	2.7	5.7	-7.4	-6.9
107	Pembuatan produk makanan lain	2.5	4.8	1.3	-0.1	0.9	4.6	1.8	4.3	-0.6	1.2
10711 & 10712	Pembuatan biskut dan cookies	17.9	6.1	-5.8	6.4	-1.0	13.5	11.3	12.5	-6.3	8.1
10713 & 10721	Pembuatan roti, kek dan produk bakeri lain	0.7	13.3	-0.1	-4.9	10.0	6.0	-3.1	-5.2	6.4	-4.6
10713 & 10721	Pembuatan produk snek	5.5	4.5	-5.4	7.0	-4.6	14.1	7.9	11.2	-10.9	3.4
10721 & 10731	Pembuatan gula	-7.7	-5.2	-3.6	2.2	-0.6	16.0	9.1	9.4	-2.9	2.7
10731 & 10732	Pembuatan produk koko	1.3	-6.5	4.9	4.5	2.1	-3.8	2.1	7.5	0.4	11.1
10732 & 10733	Pembuatan coklat dan produk coklat	6.3	7.0	-0.3	-3.3	-1.4	0.2	-2.4	4.9	1.6	-1.7
10733 & 10793	Pembuatan konfeksi gula	-5.2	-4.9	-3.9	7.2	-1.5	1.0	8.0	8.2	-5.9	10.3
10793 & 10799	Pembuatan sos dan bahan perasa	10.6	4.4	10.3	4.0	-6.3	-1.8	3.1	11.1	-4.9	3.4
10799 & 10799	Pembuatan produk makanan lain t.t.t.l.	-2.1	3.1	7.9	-0.5	0.8	5.2	2.6	1.2	-3.3	3.2
10799 & 10799	Industri lain										
108/10800	Pembuatan makanan haiwan tersedia	1.7	18.8	1.1	-2.7	2.9	14.8	2.9	-5.1	-0.3	2.3
110	Pembuatan minuman ringan	5.9	-5.1	6.7	0.3	-1.4	-2.3	4.9	4.7	1.5	-0.4
11041 & 11042	Pembuatan minuman ringan	0.8	-10.1	5.5	7.4	-4.3	-1.2	9.7	5.0	-7.9	3.6
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3.4	-3.9	3.4	-5.9	3.1	3.1	8.0	-6.2	-2.8	11.9
	Industri lain	16.0	2.2	9.2	-7.3	2.0	-5.4	-3.4	7.7	18.5	-8.7
120/12000	Pembuatan produk tembakau	-8.1	-22.9	-13.2	36.0	29.1	-16.7	-19.0	25.1	30.3	-11.5
131	Pemintalan, penenunan dan penyiapan tekstil	4.5	-3.0	-2.6	2.5	-8.9	0.3	-6.9	-1.3	-10.8	-8.9
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	10.0	-4.1	-2.6	3.7	-5.6	-0.8	-11.1	-4.3	-9.3	-9.2
13120 & 13132	Penenunan tekstil	-8.4	0.2	-2.9	-0.5	-18.9	4.4	7.2	7.4	-16.6	-7.5
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-22.6	-1.9	0.6	-10.9	-12.1	-12.8	-1.5	-13.0	12.5	-23.1
	Industri lain										
139	Pembuatan tekstil lain	-2.0	-0.6	-0.9	4.9	7.1	-2.5	0.5	8.6	6.4	-0.05
13910 & 13910	Pembuatan fabrik dikait dan dikrusye	-4.5	-2.3	-2.6	4.8	-0.3	-2.6	-4.1	3.6	0.01	0.2
	Industri lain	0.2	0.9	0.4	5.0	13.0	-2.4	3.7	11.8	11.4	-0.2
141	Pembuatan pakaian, kecuali pakaian berbulu	-1.2	-10.0	0.2	10.6	2.6	-6.1	0.6	7.2	-2.8	0.7
14102 & 14102	Pembuatan pakaian	-3.0	-9.7	2.1	10.6	0.7	-4.1	1.0	6.4	-4.5	-0.04
	Industri lain	12.1	-11.7	-12.0	10.9	16.6	-18.9	-2.8	13.4	12.2	5.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-7.0	-10.7	8.3	12.0	9.8	-10.0	3.5	19.1	12.6	5.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	2.0	-18.9	13.9	25.0	-7.8	-13.6	6.2	25.2	-2.7	-3.5
152	Pembuatan kasut	4.2	-10.7	4.4	10.7	2.9	-2.5	2.6	11.4	3.9	-7.2
15201 & 15203	Pembuatan kasut kulit	0.9	-11.3	19.1	8.8	-1.4	-2.4	6.1	14.1	4.2	-10.3
	Pembuatan kasut getah	9.5	-9.8	-17.4	14.7	11.7	-2.7	-3.6	5.9	3.5	-1.3
	Industri lain										
161/16100	Pengilangan dan pengetaman kayu	9.0	-31.0	18.5	15.4	7.7	-29.9	5.8	16.1	-3.0	2.1

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

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

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

(%)

2024											Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	
6.0	-22.5	-20.9	-16.1	-0.2	41.1	13.5	11.1	-1.8	-2.3	13.2	Manufacture of products of wood, cork, straw and plaiting materials
5.7	-23.6	-23.1	-17.7	-1.8	46.0	20.1	12.2	-2.2	-5.0	15.1	Manufacture of veneer sheets and plywood
8.3	-22.3	-17.9	-18.1	-0.1	37.0	14.6	6.2	-1.0	2.6	11.1	Manufacture of particle board and fibreboard
3.7	-23.6	-19.8	-9.0	7.6	37.3	-5.1	23.3	-1.8	-6.1	11.2	Manufacture of builders' carpentry
3.6	-15.7	-20.0	-10.2	-2.0	35.4	1.7	6.4	-1.8	2.4	11.8	Other industry
5.3	-2.1	-5.7	-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	Manufacture of paper and paper products
-9.9	-0.8	2.0	-11.3	0.8	14.5	2.9	2.1	-2.7	0.1	3.6	Manufacture of pulp, paper and paperboard
7.3	-5.7	-4.9	-6.1	1.6	4.0	5.6	0.3	-1.2	-2.1	0.2	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
12.3	-4.4	-8.0	1.7	-3.2	-0.6	-0.03	0.8	-4.9	-0.5	4.5	Manufacture of envelopes and letter-card
12.0	-2.8	-8.2	-4.0	-0.6	8.7	-4.4	-3.8	3.4	-3.6	3.1	Manufacture of household and personal hygiene paper
13.5	5.4	-19.2	17.7	-6.8	-3.0	0.5	2.6	-1.2	2.9	5.9	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
3.5	1.1	5.3	-3.1	4.4	4.7	0.5	-1.2	5.5	-2.1	8.9	Other industry
-1.4	-6.1	-4.8	-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	Printing, service activities related to printing and reproduction of recorded media
1.3	-6.0	-5.3	0.4	2.3	0.6	3.3	-2.6	18.8	-2.9	0.9	Printing
-9.6	-6.4	-3.3	-2.0	-3.0	-0.3	-5.3	4.6	7.6	0.8	0.2	Service activities related to printing
											Reproduction of recorded media
3.7	4.5	7.5	-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	Manufacture of refined petroleum products
4.3	-15.4	1.2	-3.1	1.2	10.7	-9.0	-2.8	3.5	0.8	6.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-13.0	-14.6	3.7	-15.0	9.8	-2.6	-7.1	8.9	23.9	-8.5	0.7	Manufacture of liquefied or compressed inorganic industrial or medical gases
2.7	-17.1	-6.4	-0.5	2.2	14.0	-10.6	-7.5	9.2	2.7	7.6	Manufacture of basic organic chemicals
5.0	-10.9	8.8	-23.7	-1.1	15.2	-11.2	0.4	-5.3	-7.2	-7.9	Manufacture of inorganic compounds
9.5	-15.2	11.8	-1.2	0.7	6.6	-6.2	1.4	-1.7	-0.03	5.8	Manufacture of fertilizers
1.2	-8.5	0.4	-1.5	-2.3	7.6	-9.7	3.8	-6.1	1.2	17.2	Manufacture of associated nitrogen products
9.0	-13.0	9.4	0.8	1.2	5.3	-1.1	-0.8	1.0	1.9	14.0	Manufacture of other chemical products and man-made fibres
8.9	-6.8	-4.1	15.3	-0.4	3.9	-2.3	4.9	-6.7	-7.3	12.0	Manufacture of pesticides and other agrochemical products
17.8	-13.9	15.4	0.9	-1.7	9.4	-2.5	-1.9	-0.5	8.0	18.1	Manufacture of paints, varnishes and similar coatings ink and mastics
0.3	-6.2	4.7	0.8	0.7	-1.0	-11.2	-8.9	18.4	-2.0	22.8	Manufacture of printing ink
9.1	-17.5	13.4	-1.2	3.9	5.5	-6.7	-3.0	2.9	2.2	17.5	Manufacture of soap and detergents, cleaning and polishing preparations
											Manufacture of perfumes and toilet preparations
-2.7	-6.8	4.1	-2.8	0.4	2.2	13.1	2.5	2.1	-3.0	4.5	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.
9.0	-16.3	-12.8	-9.8	26.6	-24.9	45.5	0.1	13.4	7.2	-18.4	Other industry
6.4	-4.6	-8.6	10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	Manufacture of pharmaceuticals, medicinal chemical and botanical products
6.6	-2.2	-9.9	9.8	-4.1	2.7	2.0	0.6	-4.8	-2.3	3.8	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
5.5	-15.5	-2.1	16.3	3.4	0.3	3.3	1.8	-14.0	2.4	12.2	Other industry
38.9	-4.0	-4.0	-3.2	-3.4	-10.1	3.7	3.5	-3.7	-3.5	7.1	Manufacture of rubber products
6.2	-11.0	5.8	-4.0	-2.5	-10.2	-2.8	3.7	-16.0	-1.8	5.7	Manufacture of rubber tyres for vehicles
8.8	-12.1	7.0	-1.8	-4.6	2.6	10.7	1.8	-3.1	-5.5	3.9	Manufacture of interchangeable tyre treads and retreading rubber tyres
14.7	-7.7	1.3	-1.65	1.6	-4.7	1.2	13.1	2.1	-0.1	0.02	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
50.2	-3.0	-5.4	-4.4	-5.1	-11.9	4.4	2.6	-4.4	-4.8	8.6	Rubber remilling and latex processing
10.7	-4.0	-2.6	5.7	5.1	-4.0	3.5	0.8	-0.2	1.0	6.1	Manufacture of rubber gloves
12.6	4.0	4.3	-9.8	5.9	-0.5	-0.6	-0.3	1.0	-1.6	-4.7	Manufacture of other rubber products n.e.c.
											Manufacture of plastics products
10.7	-0.1	6.8	-6.6	-0.7	-4.2	2.6	-2.0	-3.5	-0.1	-2.3	Manufacture of semi-manufactures of plastic products
9.2	6.0	6.8	-11.4	8.2	-2.1	-1.0	0.04	2.9	-3.6	-5.2	Manufacture of finished plastic products
29.3	-2.1	4.0	-8.6	14.4	1.0	1.7	-1.5	5.1	-11.9	-4.2	Manufacture of plastic articles for the packing of goods
28.4	10.7	-0.9	-1.8	-3.7	-1.8	-5.0	0.6	-11.4	1.9	-1.6	Manufacture of builders' plastics ware
9.0	3.7	0.6	-16.3	15.9	7.1	-1.8	0.8	8.8	0.7	-8.0	Manufacture of plastic tableware, kitchenware and toilet articles
											Manufacture of diverse plastic products n.e.c.
6.5	-7.7	-0.3	-7.6	1.7	-0.3	-10.0	2.7	16.5	4.0	8.2	Manufacture of glass and glass products

Jadual
Table

1.4c

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	10.2	-10.4	-0.5	7.7	12.9	-10.8	0.5	6.9	3.5	2.6
23911	Pembuatan mortar refraktori dan konkrit										
23921	Pembuatan seramik bukan refraktori	11.1	-23.6	-1.6	11.2	10.7	-6.4	2.3	6.3	-1.3	3.9
23930	Pembuatan produk porselin dan seramik lain	-3.0	5.3	-3.8	-3.5	-0.6	-6.9	1.2	5.8	3.3	-4.8
23941	Pembuatan simen hidrolik	8.4	-5.7	-0.1	12.5	15.2	-12.2	-3.2	6.4	8.1	0.3
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.4	-7.3	1.0	6.4	13.7	-11.0	0.5	4.4	2.3	2.5
23952	Pembuatan konkrit pratuangan, simen atau artikel batu										
23953	buatan yang digunakan dalam pembinaan;										
23953	Pembuatan komponen struktur pasang siap untuk bangunan	11.3	-14.4	-1.5	7.0	11.7	-9.8	2.8	8.4	1.0	3.1
23953	atau kejuruteraan awam dari simen, batu atau konkrit buatan										
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	23.2	-6.6	0.8	3.5	11.2	-14.5	3.7	10.2	1.5	10.5
	Industri lain	19.7	-15.2	-1.0	4.2	20.4	-6.7	-6.7	1.0	15.0	-2.7
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-4.0	-18.6	7.6	19.4	2.2	-19.1	7.2	21.5	-0.6	3.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	0.7	-17.1	0.7	24.0	-0.8	-18.9	-1.0	27.6	-4.7	0.9
243	Pengacuan logam	-3.3	6.2	-6.0	14.1	-6.7	5.6	1.2	5.3	-9.1	-2.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	9.4	-8.3	-3.8	10.3	10.1	-0.8	-6.3	8.8	4.3	-8.3
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan										
25113	pintu pagar daripada logam	16.6	-13.1	-5.5	11.0	14.5	-0.9	-8.7	8.3	6.0	-5.0
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	-7.4	6.6	-1.2	9.3	-0.7	0.4	0.0	11.2	0.6	-17.1
	Industri lain	4.1	-10.2	14.2	3.8	9.8	-8.7	-3.0	-3.7	-0.1	-5.7
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.7	0.4	-7.8	9.2	4.5	-3.5	-1.3	10.7	1.3	0.6
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	6.1	2.0	3.2	3.6	-1.0	0.2	1.5	2.5	0.4	-2.6
25920	Rawatan dan penyalutan logam; menggunakan mesin	-2.5	2.0	1.4	16.8	10.9	-15.7	-6.4	21.5	9.0	-3.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.1	-9.9	1.0	-1.4	3.7	-0.4	7.0	10.7	-0.3	1.4
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.7	-4.2	-20.8	11.3	6.7	-3.5	-5.2	9.7	1.8	2.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	11.0	0.6	7.9	-0.8	9.0	-1.3	0.7	4.3	7.8	-2.8
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	-3.8	17.4	-5.2	14.3	0.6	-1.9	-2.3	13.5	-3.4	2.4
	Industri lain	8.5	-5.0	2.4	17.6	21.8	-1.1	7.3	8.0	15.6	0.4
261	Pembuatan komponen dan papan elektronik	4.5	2.3	16.4	0.5	-2.7	-5.6	6.7	-7.6	-12.8	15.9
26101	Pembuatan diod, transistor dan alat semikonduktor yang seumpamanya										
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	11.0	-0.8	11.8	0.2	-4.9	-8.1	11.3	-9.5	-14.5	10.0
26103	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	-5.0	7.6	24.5	0.3	1.3	-4.2	-1.0	-6.6	-10.6	25.8
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	-2.5	7.2	11.8	7.5	-10.1	23.3	21.0	7.3	-7.2	4.2
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	6.4	11.5	-26.4	10.0	8.0	12.9	-17.5	3.6	2.1	9.7
263/ 26300	Pembuatan peralatan komunikasi	-4.0	-4.0	1.2	8.1	5.5	30.0	14.5	-12.4	-12.4	4.4
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.9	-8.3	11.3	-6.4	-5.0	-2.6	20.6	-8.2	-5.5	3.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	0.7	-11.5	25.0	4.3	-10.8	-13.0	23.7	12.4	-7.1	-14.4
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	4.2	-14.5	27.4	4.8	-8.9	-14.2	22.6	13.4	-6.7	-14.5
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	-21.2	13.1	10.1	0.4	-25.3	-2.4	32.9	4.5	-10.4	-13.7
266/ 26600	Pembuatan peralatan penyinaran, perubahan elektro dan elektroterapeutik	-33.5	31.3	6.9	3.4	-12.0	-5.5	10.8	17.9	-10.8	2.4

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

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-11.5	5.4	19.2	-1.6	1.9	0.5	21.7	2.4	-8.1	1.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.9	9.1	9.9	-3.9	-5.4	5.9	25.5	-11.8	-0.6	-6.6
27101	Pembuatan motor elektrik, penjana dan transformer	-1.7	9.5	1.0	-7.7	-11.7	-0.8	32.2	-11.1	1.2	-8.7
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.4	8.9	14.4	-2.2	-2.8	8.5	23.2	-12.0	-1.3	-5.8
272/ 27200	Pembuatan bateri dan akumulator	-8.5	12.2	43.0	7.6	-25.3	8.8	-15.4	16.9	-15.6	-13.6
273	Pembuatan pendawaian dan peranti pendawaian	-10.0	1.6	-0.9	-7.3	-2.9	-2.1	4.4	-3.6	-2.3	0.7
27310	Pembuatan kabel gentian optikal	-14.4	10.9	-6.3	3.2	15.2	15.4	1.7	-13.2	2.3	-7.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-10.4	1.4	0.4	-7.2	-4.0	-3.3	4.6	-2.7	-2.3	1.0
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.0	0.8	-15.7	-14.6	2.5	4.0	4.3	-8.1	-5.4	2.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-2.0	6.5	12.6	-1.8	-7.2	-1.4	30.4	-8.8	-11.6	1.0
275/ 27500	Pembuatan perkakasan domestik	-12.1	5.4	10.0	-3.3	-8.4	2.3	7.1	-14.4	-12.3	0.4
279/ 27900	Pembuatan kelengkapan elektrik lain	-10.6	-4.3	11.6	5.5	-2.1	8.2	8.0	-6.9	-1.4	-2.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-9.6	14.5	-2.7	5.6	-10.8	6.6	-8.5	13.4	-12.6	-4.5
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-36.7	41.2	13.5	0.2	-29.8	-1.3	6.2	36.3	-17.2	0.5
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-16.3	26.5	-6.1	5.8	-15.2	8.5	-5.8	16.1	-15.9	-4.3
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.0	6.0	-20.8	-3.2	-3.6	11.6	-25.8	23.4	-6.7	-4.9
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	0.7	21.8	16.5	13.0	-14.7	-1.5	-14.3	11.1	-22.5	-6.8
		-5.1	4.6	3.5	8.8	-4.4	8.5	3.6	3.3	-5.1	-3.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-26.1	-5.4	6.2	44.0	-13.6	-20.2	18.3	37.9	-17.5	-10.8
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	-1.2	4.6	-26.2	37.8	-0.6	-2.3	-5.2	19.8	1.9	-8.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	0.2	4.1	8.5	-2.9	4.2	1.1	9.8	-1.9	0.4	-0.8
301 (30110 & 30120)	Pembinaan kapal dan bot	-17.9	-9.4	1.0	31.3	5.0	-5.7	-24.6	27.6	8.1	0.9
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	2.0	1.2	-4.0	18.0	-15.9	-1.6	2.6	17.7	-15.2	-7.8
30910	Pembuatan motosikal	5.5	22.6	-1.5	13.1	-18.2	6.1	12.2	7.7	-19.8	-7.1
30920	Pembuatan basikal dan invalid carriages	-2.7	9.2	-2.0	12.7	-22.5	-1.0	-15.1	12.6	-16.3	-4.9
	Industri lain	3.1	-11.2	-6.6	24.1	-11.0	-5.6	6.6	25.4	-12.1	-9.7
310	Pembuatan perabot	5.1	-23.5	-3.1	21.5	4.6	-20.4	-2.5	35.2	3.6	-4.7
31001	Pembuatan perabot kayu dan rotan	14.3	-30.7	3.6	16.6	8.2	-24.6	2.4	30.6	5.3	0.3
	Industri lain	-3.7	-15.2	-9.2	26.7	1.0	-16.0	-7.1	39.9	2.0	-9.6
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	3.5	35.0	-16.1	-0.3	-5.7	16.6	-15.4	13.6	4.2	-11.9
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.4	-0.5	5.8	-6.1	5.6	12.9	5.2	-11.8	1.5	2.9
32901	Pembuatan alat tulis	5.7	6.8	15.0	-17.1	12.4	3.5	-0.3	-9.6	14.3	-0.7
	Industri lain	0.2	-2.7	2.7	-2.1	3.5	16.1	6.9	-12.5	-2.3	4.1
323/ 32300	Pembuatan barangan sukan	11.4	-6.3	-7.5	19.6	12.5	4.8	-20.9	11.5	6.3	-4.0
324/ 32400	Pembuatan permainan dan mainan	-3.3	-2.7	-27.3	11.3	-8.7	26.5	-26.2	-3.9	-0.8	-14.5
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-4.6	-18.0	4.1	30.4	-3.6	-14.9	3.4	19.6	-4.5	-3.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-2.0	-14.3	8.7	24.8	-5.2	-15.1	8.7	18.8	-8.3	-4.4
	Industri lain	-6.0	-20.0	1.4	34.0	-2.6	-14.8	0.3	20.1	-2.3	-2.9
Jumlah Pembuatan		-2.7	6.8	5.4	1.5	-5.3	-2.3	3.3	1.7	-5.4	-1.9

(%)

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

Jadual
Table

1.5a

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	13,600	14,664	13,034	13,064	13,471	13,600	13,849	14,305	14,857	14,664
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,751	17,342	15,936	16,347	16,545	16,751	17,382	17,330	17,416	17,342
	10201 & 10202 Pengetinan ikan, krustasea dan moluska	14,170	14,485	13,433	13,704	13,881	14,170	14,711	14,566	14,554	14,485
	Industri lain	2,581	2,857	2,503	2,643	2,664	2,581	2,671	2,764	2,862	2,857
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9,962	10,127	10,310	10,217	10,073	9,962	10,536	10,835	10,474	10,127
	10303 & 10304 Pengetinan nanas	620	570	485	531	530	620	568	560	570	570
	Industri lain	9,342	9,557	9,825	9,686	9,543	9,342	9,967	10,275	9,904	9,557
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,266	89,888	79,916	80,103	82,207	84,266	85,462	85,734	89,500	89,888
	10404 & 10406 Pembuatan minyak sayuran mentah dan bertapis	4,052	4,477	3,752	3,824	3,839	4,052	4,124	4,141	4,465	4,477
	10405 Pembuatan minyak kelapa	2,542	2,631	2,471	2,524	2,539	2,542	2,558	2,558	2,633	2,631
	Industri lain	77,672	82,779	73,693	73,755	75,829	77,672	78,780	79,035	82,401	82,779
105	Pembuatan produk tenusu	13,321	13,874	13,036	13,292	13,178	13,321	13,366	13,280	13,759	13,874
	10502 Pembuatan susu pekat, tepung dan sejat	9,674	9,858	9,553	9,646	9,529	9,674	9,678	9,560	9,830	9,858
	Industri lain	3,648	4,017	3,482	3,646	3,649	3,648	3,689	3,719	3,928	4,017
106	Pembuatan produk bijian, kanji dan produk	11,197	11,538	10,871	10,793	11,051	11,197	11,341	11,257	11,509	11,538
	10611 Pengilangan beras	5,307	5,400	4,994	4,962	5,239	5,307	5,421	5,301	5,390	5,400
	10613 Pengilangan tepung	4,921	5,223	4,872	4,843	4,828	4,921	5,010	5,044	5,202	5,223
	Industri lain	969	915	1,005	987	983	969	910	912	917	915
107	Pembuatan produk makanan lain	130,228	141,851	126,992	126,638	127,916	130,228	132,812	133,853	140,391	141,851
	10711 Pembuatan biskut dan cookies	14,486	14,889	14,439	14,517	14,607	14,486	14,747	14,600	14,836	14,889
	10712 Pembuatan roti, kek dan produk bakeri lain	31,304	33,814	29,286	29,408	29,997	31,304	31,832	32,231	33,443	33,814
	10713 Pembuatan produk snek	8,846	9,620	8,412	8,542	8,530	8,846	8,858	8,961	9,202	9,620
	10721 Pembuatan gula	1,744	1,836	1,769	1,736	1,752	1,744	1,760	1,783	1,878	1,836
	10731 Pembuatan produk koko	2,563	2,644	2,579	2,585	2,650	2,563	2,523	2,614	2,636	2,644
	10732 Pembuatan coklat dan produk coklat										
	& 10733 Pembuatan konfeksi gula	7,861	8,634	7,937	8,090	8,259	7,861	7,925	7,955	8,566	8,634
	10793 Pembuatan sos dan bahan perasa	11,546	13,437	10,800	10,948	10,787	11,546	11,881	11,908	12,698	13,437
	10799 Pembuatan produk makanan lain t.t.t.l.	15,127	18,153	16,718	15,541	15,861	15,127	15,474	16,158	18,537	18,153
	Industri lain	36,752	38,825	35,052	35,270	35,475	36,752	37,813	37,642	38,595	38,825
108/ 10800	Pembuatan makanan haiwan tersedia	15,573	13,666	14,820	15,469	15,437	15,573	15,606	15,188	14,266	13,666
110	Pembuatan minuman ringan	16,373	16,805	16,304	16,247	16,144	16,373	16,770	16,865	16,602	16,805
	11041 Pembuatan minuman ringan	10,622	10,717	10,565	10,562	10,512	10,622	10,744	10,847	10,607	10,717
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3,923	4,111	4,001	3,979	3,892	3,923	4,197	4,172	4,104	4,111
	Industri lain	1,828	1,976	1,739	1,706	1,740	1,828	1,829	1,846	1,890	1,976
120/ 12000	Pembuatan produk tembakau	1,232	1,259	1,413	1,170	1,198	1,232	1,448	1,254	1,271	1,259
131	Pemintalan, penenunan dan penyiapan tekstil	13,055	13,207	13,206	12,839	13,084	13,055	13,274	13,204	13,419	13,207
	13110 Penyediaan dan pemintalan gentian tekstil	8,882	9,168	8,983	8,665	8,737	8,882	9,093	9,029	9,316	9,168
	& 13120 Penenunan tekstil										
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,762	3,592	3,750	3,731	3,889	3,762	3,690	3,701	3,610	3,592
	Industri lain	412	447	474	443	458	412	491	474	493	447
139	Pembuatan tekstil lain	14,816	15,096	14,378	14,821	14,813	14,816	14,841	15,173	15,177	15,096
	13910 Pembuatan fabrik dikait dan dikrusye	5,792	5,531	5,903	5,961	5,958	5,792	5,619	5,657	5,593	5,531
	Industri lain	9,024	9,564	8,475	8,859	8,855	9,024	9,222	9,515	9,584	9,564
141	Pembuatan pakaian, kecuali pakaian berbulu	42,584	43,688	42,134	41,677	40,921	42,584	42,881	42,985	42,139	43,688
	14102 Pembuatan pakaian	31,056	31,863	30,268	30,296	29,750	31,056	31,236	31,154	30,424	31,863
	Industri lain	11,528	11,825	11,866	11,381	11,171	11,528	11,645	11,831	11,715	11,825
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,007	1,093	1,020	1,030	1,010	1,007	1,089	1,086	1,114	1,093
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,843	5,808	6,050	5,698	5,831	5,843	6,032	5,746	5,903	5,808
152	Pembuatan kasut	6,717	7,071	6,349	6,574	6,632	6,717	6,979	7,072	7,012	7,071
	15201 Pembuatan kasut kulit	3,748	3,719	3,501	3,619	3,660	3,748	3,760	3,667	3,659	3,719
	& 15203 Pembuatan kasut getah										
	Industri lain	2,969	3,352	2,848	2,955	2,973	2,969	3,219	3,405	3,353	3,352
161/ 16100	Pengilangan dan pengetaman kayu	25,101	24,448	25,671	25,235	25,553	25,101	25,234	24,629	24,640	24,448

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
14,001	13,965	13,849	14,325	14,357	14,305	14,080	14,139	14,857	14,918	14,906	14,664	14,832	Processing and preserving of meat	
17,041	17,485	17,382	17,297	17,338	17,330	17,410	17,136	17,416	17,348	17,206	17,342	17,808	Processing and preserving of fish, crustaceans and molluscs	
14,410	14,801	14,711	14,606	14,646	14,566	14,788	14,313	14,554	14,570	14,351	14,485	14,874	Canning of fish, crustaceans and molluscs	
2,632	2,684	2,671	2,692	2,692	2,764	2,622	2,823	2,862	2,778	2,855	2,857	2,934	Processing, curing and preserving of fish, crustacean and molluscs	
10,313	10,554	10,536	10,589	10,882	10,835	10,731	10,224	10,474	10,474	10,303	10,127	10,503	Other industry	
565	567	568	566	569	560	578	564	570	572	567	570	546	Processing and preserving of fruits and vegetable	
9,748	9,987	9,967	10,023	10,313	10,275	10,153	9,660	9,904	9,902	9,736	9,557	9,957	Pineapple canning	
84,824	85,592	85,462	84,987	85,282	85,734	86,716	87,316	89,500	89,940	89,900	89,888	89,773	Manufacture of jams, marmalades and table jellies	
4,089	4,096	4,124	4,100	4,118	4,141	4,163	4,424	4,465	4,480	4,474	4,477	4,426	Manufacture of vegetable and animal oils and Manufacture of crude and refined vegetable oil	
2,549	2,549	2,558	2,555	2,558	2,558	2,542	2,582	2,633	2,633	2,623	2,631	2,669	Manufacture of compound cooking fats	
78,185	78,947	78,780	78,332	78,606	79,035	80,011	80,310	82,401	82,827	82,804	82,779	82,678	Manufacture of coconut oil	
13,386	13,363	13,366	13,435	13,253	13,280	13,366	13,533	13,759	13,774	13,853	13,874	14,023	Other industry	
9,714	9,694	9,678	9,831	9,576	9,560	9,638	9,744	9,830	9,797	9,824	9,858	10,060	Manufacture of dairy products	
3,672	3,668	3,689	3,604	3,677	3,719	3,728	3,788	3,928	3,976	4,029	4,017	3,962	Manufacture of condensed, powdered and Other industry	
11,251	11,421	11,341	11,227	11,285	11,257	11,238	11,025	11,509	11,502	11,541	11,538	11,615	Manufacture of grain mill products, starches	
5,356	5,458	5,421	5,322	5,352	5,301	5,279	5,123	5,390	5,392	5,435	5,400	5,492	Rice milling	
4,924	5,037	5,010	4,993	5,015	5,044	5,033	5,007	5,202	5,207	5,193	5,223	5,226	Flour milling	
972	927	910	912	918	912	926	895	917	903	912	915	897	Other industry	
132,511	133,336	132,812	134,023	134,287	133,853	135,228	138,077	140,391	141,712	141,605	141,851	143,476	Manufacture of other food products	
14,820	15,050	14,747	14,673	14,652	14,600	14,639	14,711	14,836	14,783	14,847	14,889	14,944	Manufacture of biscuits and cookies	
31,580	31,680	31,832	32,306	32,179	32,231	33,322	32,948	33,443	33,837	33,795	33,814	34,029	Manufacture of bread, cakes and other bakery	
8,864	8,896	8,858	8,899	8,970	8,961	8,856	9,083	9,202	9,270	9,453	9,620	9,784	Manufacture of snack products	
1,747	1,747	1,760	1,770	1,790	1,783	1,785	1,862	1,878	1,885	1,838	1,836	1,839	Manufacture of sugar	
2,566	2,593	2,523	2,519	2,593	2,614	2,617	2,602	2,636	2,658	2,649	2,644	2,653	Manufacture of cocoa products	
8,120	7,963	7,925	7,988	7,978	7,955	8,087	8,511	8,566	8,641	8,711	8,634	8,761	Manufacture of chocolate and chocolate products	
11,777	11,786	11,881	11,931	11,855	11,908	11,819	12,519	12,698	12,810	13,505	13,437	13,754	Manufacture of sugar confectionery	
15,627	15,531	15,474	16,201	16,417	16,158	16,501	17,951	18,537	18,923	17,994	18,153	18,611	Manufacture of sauces and condiments	
37,410	38,091	37,813	37,736	37,854	37,642	37,603	37,889	38,595	38,905	38,813	38,825	39,100	Manufacture of other food products n.e.c.	
15,602	15,668	15,606	15,128	15,134	15,188	15,039	14,475	14,266	14,143	14,284	13,666	13,905	Other industry	
16,583	16,717	16,770	16,843	16,874	16,865	16,952	16,539	16,602	16,689	16,622	16,805	17,041	Manufacture of prepared animal feeds	
10,617	10,714	10,744	10,810	10,823	10,847	10,907	10,568	10,607	10,643	10,633	10,717	10,808	Manufacture of beverages	
4,142	4,144	4,197	4,197	4,209	4,172	4,190	4,096	4,104	4,145	4,097	4,111	4,259	Manufacture of soft drinks	
1,825	1,858	1,829	1,836	1,842	1,846	1,856	1,875	1,890	1,901	1,892	1,976	1,974	Production of natural mineral waters and other bottled waters	
1,296	1,443	1,448	1,274	1,266	1,254	1,227	1,167	1,271	1,272	1,264	1,259	1,272	Other industry	
13,197	13,098	13,274	13,214	13,354	13,204	13,025	13,376	13,419	13,371	13,309	13,207	13,152	Manufacture of tobacco products	
8,987	8,901	9,093	9,073	9,103	9,029	9,075	9,310	9,316	9,269	9,264	9,168	9,112	Spinning, weaving and finishing of textiles	
3,752	3,721	3,690	3,676	3,761	3,701	3,485	3,580	3,610	3,618	3,602	3,592	3,588	Preparation and spinning of textile fibres	
458	476	491	465	489	474	465	486	493	484	443	447	453	Weaving of textiles	
14,898	14,756	14,841	15,015	15,205	15,173	15,115	15,173	15,177	15,148	15,124	15,096	15,312	Dyeing, bleaching, printing and finishing of yarns and fabrics	
5,774	5,757	5,619	5,694	5,697	5,657	5,604	5,636	5,593	5,585	5,576	5,531	5,594	Other industry	
9,123	8,998	9,222	9,321	9,508	9,515	9,511	9,537	9,584	9,563	9,548	9,564	9,717	Manufacture of other textiles	
42,847	42,795	42,881	42,964	43,166	42,985	42,441	41,773	42,139	41,735	43,481	43,688	44,103	Manufacture of knitted and crocheted fabrics	
31,403	31,127	31,236	31,164	31,366	31,154	30,709	30,120	30,424	30,239	31,657	31,863	32,271	Manufacture of wearing apparel, except fur	
11,444	11,668	11,645	11,799	11,800	11,831	11,732	11,654	11,715	11,496	11,824	11,825	11,831	Manufacture of clothings	
1,032	1,068	1,089	1,089	1,093	1,086	1,080	1,107	1,114	1,042	1,102	1,093	1,100	Other industry	
5,939	6,023	6,032	5,858	5,873	5,746	5,673	5,750	5,903	5,935	5,891	5,808	5,772	Manufacture of articles of fur, knitted and crocheted apparel	
6,924	7,091	6,979	6,959	7,039	7,072	7,031	6,915	7,012	7,137	7,099	7,071	7,181	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	
3,896	3,840	3,760	3,692	3,665	3,667	3,646	3,644	3,659	3,720	3,733	3,719	3,827	Manufacture of footwear	
3,028	3,250	3,219	3,268	3,374	3,405	3,386	3,271	3,353	3,417	3,365	3,352	3,354	Manufacture of leather footwear	
25,720	25,710	25,234	24,749	25,144	24,629	24,377	24,802	24,640	24,792	24,924	24,448	24,204	Manufacture of rubber footwear	
													Other industry	
													Sawmilling and planning of wood	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,943	69,802	65,777	67,098	67,651	68,943	67,728	68,036	68,637	69,802
16211	Pembuatan kepingan venier dan papan lapis	38,426	39,618	36,497	37,163	37,843	38,426	37,446	37,646	38,723	39,618
16212	Pembuatan papan partikel dan papan gentian	6,419	6,961	6,874	6,857	6,678	6,419	6,345	6,563	7,116	6,961
16221	Pertukangan kayu untuk jurubina	10,830	9,650	9,992	10,226	10,050	10,830	10,642	10,645	9,651	9,650
	Industri lain	13,268	13,573	12,414	12,852	13,080	13,268	13,295	13,181	13,146	13,573
170	Pembuatan kertas dan produk kertas	58,658	59,265	56,974	56,605	57,633	58,658	59,308	57,626	58,587	59,265
17010	Pembuatan pulpa, kertas dan kertas tebal	9,259	9,041	8,713	8,752	8,848	9,259	9,332	8,473	8,582	9,041
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,850	23,505	22,656	22,542	23,291	23,850	23,877	23,353	23,416	23,505
17091	Pembuatan sampul surat dan kad surat	1,692	1,762	1,713	1,739	1,775	1,692	1,789	1,769	1,777	1,762
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,818	11,370	10,908	10,681	10,874	10,818	10,723	10,515	11,368	11,370
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,480	7,480	7,510	7,467	7,321	7,480	7,837	7,792	7,465	7,480
	Industri lain	5,559	6,107	5,474	5,425	5,524	5,559	5,749	5,724	5,979	6,107
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,120	71,281	67,661	65,902	65,467	70,120	70,319	68,955	68,928	71,281
18110	Percetakan	57,286	58,603	55,001	53,801	53,444	57,286	57,476	56,770	56,789	58,603
18120	Aktiviti perkhidmatan berkaitan percetakan										
&											
18200	Penerbitan semula media rakaman	12,834	12,678	12,660	12,101	12,023	12,834	12,843	12,185	12,139	12,678
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,817	18,473	17,719	17,262	17,651	17,817	18,486	18,149	18,199	18,473
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	47,560	47,699	47,789	47,062	47,035	47,560	49,475	48,507	47,094	47,699
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,802	6,330	5,578	5,644	5,628	5,802	6,315	6,155	6,192	6,330
20112 & 20113	Pembuatan kimia organik asas	19,633	19,255	18,429	18,299	18,579	19,633	20,155	19,696	19,050	19,255
20121 & 20129	Pembuatan sebatian bukan organik										
20121	Pembuatan baja	7,649	7,201	9,547	8,733	8,678	7,649	8,353	7,982	7,227	7,201
20129	Pembuatan produk campuran nitrogen										
20131	Pembuatan plastik dalam bentuk primer	11,413	11,649	11,408	11,338	11,143	11,413	11,428	11,453	11,411	11,649
	Industri lain	3,063	3,264	2,826	3,048	3,008	3,063	3,226	3,221	3,215	3,264
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,336	55,846	57,439	55,739	55,271	57,336	58,105	55,785	55,364	55,846
20210	Pembuatan racun perosak dan produk agrokimia lain	4,030	4,587	3,964	3,910	3,845	4,030	4,262	4,151	4,419	4,587
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,451	9,587	11,223	9,270	9,162	9,451	9,966	9,644	9,412	9,587
20222	Pembuatan dakwat cetak	5,659	5,924	5,760	5,647	5,660	5,659	5,967	5,983	5,883	5,924
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	21,711	20,041	20,420	20,598	20,865	21,711	21,322	19,568	19,767	20,041
20232	Pembuatan pewangi dan penyediaan dandanan diri										
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials										
20292	Pembuatan dakwat menulis dan melukis	16,082	15,435	15,603	15,853	15,277	16,082	16,137	16,006	15,588	15,435
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	402	273	469	461	461	402	451	433	295	273
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	27,325	27,967	24,800	27,994	28,824	27,325	26,901	27,916	29,297	27,967
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	19,310	19,519	17,686	19,648	20,234	19,310	18,765	19,668	20,535	19,519
	Industri lain	8,015	8,448	7,114	8,346	8,590	8,015	8,136	8,249	8,762	8,448
221	Pembuatan produk getah	122,297	117,399	124,905	126,655	125,937	122,297	121,509	114,969	118,329	117,399
22111	Pembuatan tayar getah untuk kenderaan	6,618	6,790	7,193	7,531	6,534	6,618	6,740	7,052	6,731	6,790
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,289	2,564	2,086	1,995	2,129	2,289	2,340	2,279	2,427	2,564
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	17,767	18,551	16,690	16,952	17,408	17,767	18,775	19,192	18,619	18,551
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	62,537	56,913	65,658	67,914	66,853	62,537	60,077	55,214	57,500	56,913
22199	Pembuatan produk getah lain yang t.t.t.l.	33,087	32,581	33,278	32,264	33,014	33,087	33,577	31,231	33,052	32,581
222	Pembuatan produk plastik	159,013	164,184	155,750	156,889	158,506	159,013	159,633	161,005	163,072	164,184
22201 & 22202	Pembuatan produk plastik separa siap	37,664	38,248	35,934	37,667	37,506	37,664	37,301	38,558	38,510	38,248
22202	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,397	53,304	48,717	48,901	49,889	50,397	50,812	51,215	53,151	53,304
22204	Pembuatan barangan plastik jurubina	3,656	3,666	3,605	3,559	3,595	3,656	3,699	3,690	3,708	3,666
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,177	14,272	14,992	15,478	15,608	14,177	14,782	14,642	14,638	14,272
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,120	54,694	52,503	51,285	51,908	53,120	53,040	52,901	53,066	54,694
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	20,948	20,742	18,896	20,023	20,561	20,948	21,026	21,133	21,102	20,742

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
68,848	69,504	67,728	67,540	68,991	68,036	68,079	68,083	68,637	69,247	70,125	69,802	69,268		Manufacture of products of wood, cork, straw and plaiting materials
38,035	38,412	37,446	37,071	38,304	37,646	38,239	37,873	38,723	39,065	39,812	39,618	38,924		Manufacture of veneer sheets and plywood
6,275	6,387	6,345	6,261	6,553	6,563	6,555	7,458	7,116	7,092	7,005	6,961	6,921		Manufacture of particle board and fibreboard
10,966	11,134	10,642	10,772	10,752	10,645	10,417	9,814	9,651	9,703	9,701	9,650	9,739		Manufacture of builders' carpentry
13,572	13,571	13,295	13,435	13,383	13,181	12,868	12,938	13,146	13,386	13,608	13,573	13,684		Other industry
58,843	59,436	59,308	58,624	57,792	57,626	57,112	57,618	58,587	59,353	59,133	59,265	59,457		Manufacture of paper and paper products
9,269	9,407	9,332	9,352	8,476	8,473	8,462	8,641	8,582	8,701	8,693	9,041	9,333		Manufacture of pulp, paper and paperboard
23,728	23,899	23,877	23,294	23,345	23,353	23,039	22,862	23,416	23,682	23,660	23,505	23,312		Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,745	1,798	1,789	1,760	1,785	1,769	1,776	1,766	1,777	1,785	1,782	1,762	1,768		Manufacture of envelopes and letter-card
10,909	10,821	10,723	10,671	10,669	10,515	10,347	11,002	11,368	11,526	11,436	11,370	11,397		Manufacture of household and personal hygiene
7,507	7,821	7,837	7,850	7,795	7,792	7,753	7,519	7,465	7,557	7,496	7,480	7,512		Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,686	5,691	5,749	5,696	5,722	5,724	5,735	5,827	5,979	6,103	6,066	6,107	6,134		Other industry
70,262	69,878	70,319	69,596	70,361	68,955	68,890	69,227	68,928	70,157	70,901	71,281	68,570		Printing, service activities related to printing and reproduction of recorded media
57,387	56,975	57,476	57,255	58,072	56,770	56,668	56,882	56,789	57,508	58,314	58,603	56,145		Printing
12,875	12,904	12,843	12,341	12,289	12,185	12,222	12,345	12,139	12,648	12,587	12,678	12,424		Service activities related to printing
														Reproduction of recorded media
17,783	17,989	18,486	18,239	18,209	18,149	18,202	18,349	18,199	18,408	18,453	18,473	18,245		Manufacture of refined petroleum products
48,311	48,844	49,475	47,928	48,292	48,507	46,679	47,278	47,094	47,911	47,892	47,699	48,215		Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic
5,975	5,984	6,315	5,952	6,194	6,155	6,137	6,148	6,192	6,316	6,333	6,330	6,531		Manufacture of liquefied or compressed inorganic industrial or medical gases
19,708	19,928	20,155	19,439	19,501	19,696	18,836	19,059	19,050	19,429	19,273	19,255	19,246		Manufacture of basic organic chemicals
														Manufacture of inorganic compounds
7,916	8,244	8,353	7,938	7,973	7,982	7,379	7,413	7,227	7,293	7,355	7,201	7,363		Manufacture of fertilizers
11,569	11,465	11,428	11,404	11,384	11,453	11,248	11,482	11,411	11,580	11,661	11,649	11,738		Manufacture of associated nitrogen products
3,145	3,224	3,226	3,194	3,240	3,221	3,078	3,176	3,215	3,292	3,271	3,264	3,337		Manufacture of plastics in primary forms
														Other industry
57,338	57,121	58,105	56,863	56,332	55,785	56,305	56,092	55,364	55,918	56,239	55,846	55,744		Manufacture of other chemical products and man-made fibres
4,115	4,189	4,262	4,214	4,231	4,151	4,156	4,320	4,419	4,609	4,606	4,587	4,655		Manufacture of pesticides and other agrochemical
9,842	9,396	9,966	9,650	9,670	9,644	9,598	9,563	9,412	9,528	9,557	9,587	9,854		Manufacture of paints, varnishes and similar
5,739	5,736	5,967	5,971	5,975	5,983	6,025	5,962	5,883	5,914	5,932	5,924	5,968		Manufacture of printing ink
21,059	21,265	21,322	20,555	19,912	19,568	20,034	20,119	19,767	19,969	20,058	20,041	19,489		Manufacture of soap and detergents, cleaning and polishing preparations
														Manufacture of perfumes and toilet preparations
16,188	16,102	16,137	16,027	16,098	16,006	16,062	15,805	15,588	15,625	15,812	15,435	15,505		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.
395	434	451	447	446	433	430	323	295	273	273	273	273		Other industry
26,805	26,916	26,901	28,360	28,019	27,916	28,446	29,157	29,297	29,415	28,071	27,967	27,305		Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,672	18,728	18,765	20,391	19,831	19,668	19,899	20,519	20,535	20,611	19,553	19,519	18,859		Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,133	8,188	8,136	7,969	8,188	8,249	8,547	8,637	8,762	8,803	8,518	8,448	8,446		Other industry
120,492	120,806	121,509	120,578	118,693	114,969	115,215	117,851	118,329	118,150	117,668	117,399	116,188		Manufacture of rubber products
6,645	6,712	6,740	7,232	7,218	7,052	7,490	6,723	6,731	6,708	6,814	6,790	6,834		Manufacture of rubber tyres for vehicles
2,296	2,357	2,340	2,330	2,310	2,279	2,301	2,360	2,427	2,473	2,665	2,564	2,571		Manufacture of interchangeable tyre treads and retreading rubber tyres
18,150	18,698	18,775	19,171	19,237	19,192	19,928	18,948	18,619	18,505	18,449	18,551	18,842		Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
59,760	59,343	60,077	58,520	57,283	55,214	54,281	57,140	57,500	57,279	56,889	56,913	55,205		Rubber remilling and latex processing
33,641	33,697	33,577	33,325	32,645	31,231	31,215	32,679	33,052	33,184	32,851	32,581	32,736		Manufacture of rubber gloves
159,500	159,940	159,633	161,351	161,657	161,005	164,502	162,784	163,072	163,099	164,385	164,184	164,713		Manufacture of other rubber products n.e.c.
37,595	37,674	37,301	38,878	39,037	38,558	38,435	38,464	38,510	38,449	38,259	38,248	38,153		Manufacture of plastics products
														Manufacture of semi-manufactures of plastic products
50,487	51,005	50,812	51,237	51,260	51,215	52,383	52,408	53,151	53,247	53,175	53,304	53,552		Manufacture of finished plastic products
3,703	3,713	3,699	3,680	3,701	3,690	3,675	3,665	3,708	3,728	3,676	3,666	3,729		Manufacture of plastic articles for the packing of goods
14,472	14,668	14,782	14,621	14,704	14,642	14,102	14,978	14,638	14,344	14,283	14,272	14,657		Manufacture of builders' plastics ware
53,244	52,879	53,040	52,935	52,954	52,901	55,907	53,269	53,066	53,331	54,992	54,694	54,622		Manufacture of plastic tableware, kitchenware and toilet articles
														Manufacture of diverse plastic products n.e.c.
21,005	21,062	21,026	21,032	21,266	21,133	20,225	21,028	21,102	20,841	20,784	20,742	20,798		Manufacture of glass and glass products

Jadual
Table

1.5a

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,356	88,491	86,285	86,241	86,614	86,356	84,597	86,275	88,467	88,491
23911 & 23921	Pembuatan mortar refraktori dan konkrit Pembuatan seramik bukan refraktori	10,661	9,801	10,613	10,488	10,305	10,661	9,930	9,940	9,890	9,801
23930	Pembuatan produk porselin dan seramik lain	5,248	4,467	5,067	5,122	5,284	5,248	4,429	4,517	4,532	4,467
23941	Pembuatan simen hidrolik	7,303	7,374	7,659	7,902	7,036	7,303	7,152	7,117	7,085	7,374
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,685	16,934	15,409	15,914	16,550	16,685	15,664	15,793	16,840	16,934
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	30,016	31,244	30,601	29,880	30,296	30,016	30,811	31,744	31,841	31,244
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,662	9,737	8,994	8,779	8,833	8,662	8,532	8,805	9,416	9,737
	Industri lain	7,782	8,934	7,941	8,157	8,310	7,782	8,081	8,360	8,864	8,934
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,534	57,448	53,134	53,724	53,779	54,534	54,032	54,571	56,411	57,448
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,642	40,119	43,474	42,105	42,633	42,642	43,283	41,983	40,579	40,119
243	Pengacuan logam	14,362	14,589	15,641	14,579	14,642	14,362	15,271	14,598	14,907	14,589
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,158	60,999	59,909	58,461	58,655	60,158	60,572	59,198	59,930	60,999
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	40,355	42,207	40,766	39,197	38,843	40,355	40,398	39,265	41,170	42,207
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,447	10,497	10,865	10,928	11,574	11,447	11,540	11,296	10,565	10,497
	Industri lain	8,357	8,295	8,277	8,337	8,237	8,357	8,633	8,637	8,194	8,295
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	99,084	104,424	99,149	96,926	98,005	99,084	101,196	99,035	103,148	104,424
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,151	22,087	21,931	22,023	22,744	22,151	21,696	20,746	22,294	22,087
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,860	11,612	13,179	12,179	12,460	12,860	13,812	13,007	11,600	11,612
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,655	8,120	7,758	7,672	7,651	7,655	7,797	7,547	8,223	8,120
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	19,365	20,973	19,158	18,901	19,031	19,365	19,498	19,500	20,294	20,973
25994	Pembuatan barangan rumah daripada logam	3,168	3,615	3,315	3,188	3,027	3,168	3,374	3,354	3,383	3,615
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,427	25,279	22,990	22,358	22,397	23,427	23,789	23,520	24,658	25,279
	Industri lain	10,458	12,738	10,817	10,606	10,694	10,458	11,228	11,362	12,696	12,738
261	Pembuatan komponen dan papan elektronik	234,460	238,894	221,659	226,483	231,236	234,460	236,008	242,587	242,230	238,894
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	127,805	128,999	121,453	124,849	127,593	127,805	127,630	130,000	130,403	128,999
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	92,370	95,182	85,967	87,023	89,380	92,370	94,113	97,567	96,888	95,182
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,285	14,712	14,240	14,612	14,263	14,285	14,265	15,021	14,939	14,712
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	69,667	67,464	66,588	67,693	68,367	69,667	66,793	66,941	66,748	67,464
263/ 26300	Pembuatan peralatan komunikasi	26,230	26,319	24,324	25,314	26,196	26,230	25,929	26,504	26,052	26,319
264/ 26400	Pembuatan peralatan elektronik pengguna	35,099	36,292	33,826	35,326	35,695	35,099	34,130	34,337	37,718	36,292
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,734	31,691	29,638	29,895	30,947	31,734	32,146	32,143	31,578	31,691
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses perindustrian	24,604	24,642	22,640	22,845	23,808	24,604	24,911	25,311	24,547	24,642
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,131	7,049	6,998	7,049	7,139	7,131	7,236	6,832	7,031	7,049
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,120	12,708	12,827	12,938	13,139	13,120	13,055	13,114	12,862	12,708

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
86,764	84,734	84,597	85,017	85,642	86,275	87,570	87,684	88,467	88,180	88,875	88,491	86,363		Manufacture of non-metallic mineral products
														Manufacture of refractory mortars and concretes
10,126	9,968	9,930	9,889	9,837	9,940	9,711	9,972	9,890	9,748	9,811	9,801	9,260		Manufacture of non-refractory ceramic
5,261	4,449	4,429	4,384	4,534	4,517	4,584	4,685	4,532	4,480	4,525	4,467	4,393		Manufacture of other porcelain and ceramic
7,410	7,413	7,152	7,130	7,145	7,117	7,381	7,000	7,085	7,074	7,381	7,374	7,443		Manufacture of hydraulic cement
16,853	15,890	15,664	15,652	15,833	15,793	16,281	16,315	16,840	16,709	17,103	16,934	16,968		Manufacture of ready-mix and dry-mix concrete and mortars
														Manufacture of precast concrete, cement or artificial stone articles for use in construction
30,459	30,305	30,811	31,153	31,352	31,744	31,840	31,738	31,841	31,686	31,422	31,244	29,282		Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
8,558	8,621	8,532	8,618	8,764	8,805	9,307	9,146	9,416	9,664	9,737	9,737	9,843		Manufacture of other articles of concrete, cement
8,097	8,088	8,081	8,189	8,177	8,360	8,466	8,828	8,864	8,819	8,897	8,934	9,174		Manufacture of other non-metallic mineral products
														Other industry
54,998	53,259	54,032	54,039	54,449	54,571	54,393	55,204	56,411	57,038	57,281	57,448	57,986		Manufacture of basic iron and steel
42,836	43,852	43,283	43,049	42,949	41,983	42,129	40,837	40,579	40,711	40,093	40,119	40,581		Manufacture of basic precious and other non-ferrous metals
14,866	15,369	15,271	14,889	14,682	14,598	14,579	14,899	14,907	15,056	14,632	14,589	14,965		Casting of metals
59,926	60,142	60,572	59,650	60,307	59,198	59,123	60,012	59,930	59,600	59,598	60,999	61,110		Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
														Manufacture of metal doors, windows and their frames, shutters and gates
40,023	40,175	40,398	39,796	40,239	39,265	39,519	41,711	41,170	40,883	40,657	42,207	42,022		Manufacture of other structural metal products
11,429	11,507	11,540	11,227	11,368	11,296	11,205	10,141	10,565	10,450	10,643	10,497	10,690		Manufacture of tanks, reservoirs and containers of metal
8,474	8,460	8,633	8,626	8,700	8,637	8,400	8,159	8,194	8,267	8,299	8,295	8,397		Other industry
100,149	101,147	101,196	99,821	99,997	99,035	99,938	101,819	103,148	103,362	103,038	104,424	105,606		Manufacture of other fabricated metal products; metal working service activities
														Forging, pressing, stamping and roll-forming of metal; powder metallurgy
22,317	21,794	21,696	21,086	21,096	20,746	21,395	22,121	22,294	22,304	22,099	22,087	22,075		Treatment and coating of metals; machining
12,990	13,420	13,812	13,194	13,133	13,007	12,885	11,668	11,600	11,719	11,630	11,612	11,827		Manufacture of tins and cans for food products, collapsible tubes and boxes
7,925	7,926	7,797	7,461	7,478	7,547	7,631	8,282	8,223	8,265	8,129	8,120	8,517		Manufacture of metal cable, plaited bands and similar articles
19,603	19,804	19,498	19,600	19,649	19,500	19,839	19,803	20,294	20,262	20,164	20,973	21,450		Manufacture of bolts, screws, nuts and similar threaded products
3,224	3,222	3,374	3,420	3,399	3,354	3,352	3,325	3,383	3,433	3,619	3,615	3,600		Manufacture of metal household articles
23,533	24,024	23,789	23,792	23,865	23,520	23,414	24,327	24,658	24,744	24,606	25,279	25,376		Manufacture of any other fabricated metal products n.e.c.
10,557	10,956	11,228	11,269	11,378	11,362	11,421	12,294	12,696	12,636	12,790	12,738	12,762		Other industry
232,601	235,331	236,008	240,519	242,132	242,587	236,704	239,866	242,230	241,440	239,917	238,894	235,495		Manufacture of electronic components and
														Manufacture of diodes, transistors and similar semiconductor devices
125,741	127,188	127,630	132,595	130,700	130,000	127,640	130,145	130,403	130,169	129,655	128,999	127,090		Manufacture of electronic integrated circuits micro assemblies
														Manufacture of electrical capacitors and resistors
92,577	93,866	94,113	93,703	96,536	97,567	94,153	94,885	96,888	96,419	95,515	95,182	93,640		Manufacture of printed circuit boards
														Manufacture of display components
14,283	14,277	14,265	14,221	14,897	15,021	14,911	14,836	14,939	14,852	14,747	14,712	14,765		Manufacture of other components for electronic applications
66,447	66,566	66,793	66,430	67,101	66,941	66,536	65,347	66,748	66,616	67,609	67,464	67,223		Manufacture of computers and peripheral equipment
26,067	25,910	25,929	26,167	26,399	26,504	24,800	25,823	26,052	26,415	26,371	26,319	26,117		Manufacture of communication equipment
34,397	34,161	34,130	33,564	34,215	34,337	33,943	35,963	37,718	37,026	36,514	36,292	35,644		Manufacture of consumer electronics
31,749	32,153	32,146	32,093	32,335	32,143	31,626	30,844	31,578	31,500	31,655	31,691	31,823		Manufacture of measuring, testing, navigating and control equipment; watches and clocks
														Manufacture of measuring, testing, navigating and control equipment
24,687	25,020	24,911	24,945	25,343	25,311	24,810	24,097	24,547	24,486	24,599	24,642	24,764		Manufacture of industrial process control
7,062	7,133	7,236	7,148	6,991	6,832	6,816	6,747	7,031	7,013	7,056	7,049	7,059		Manufacture of watches and clocks and parts
13,142	13,004	13,055	12,999	13,097	13,114	11,988	12,457	12,862	12,773	12,725	12,708	12,273		Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,818	5,915	5,643	5,936	5,999	5,818	5,980	5,853	6,236	5,915
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,502	43,800	43,237	42,382	44,414	44,502	44,617	43,394	44,787	43,800
	27101 Pembuatan motor elektrik, penjana dan transformer	18,608	18,737	19,128	18,606	18,852	18,608	18,928	18,215	19,102	18,737
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,894	25,064	24,109	23,776	25,562	25,894	25,689	25,179	25,685	25,064
272/ 27200	Pembuatan bateri dan akumulator	8,687	8,671	8,489	8,318	8,849	8,687	8,624	8,589	8,939	8,671
273	Pembuatan pendawaian dan peranti pendawaian	24,074	23,530	23,924	24,331	24,275	24,074	24,299	23,545	24,010	23,530
	27310 Pembuatan kabel gentian optikal	926	969	937	966	1,026	926	949	975	962	969
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,825	20,980	21,213	21,614	21,499	21,825	21,892	21,073	21,463	20,980
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,323	1,581	1,774	1,751	1,750	1,323	1,459	1,496	1,585	1,581
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,656	3,934	3,642	3,790	4,043	3,656	3,624	3,555	3,908	3,934
275/ 27500	Pembuatan perkakasan domestik	14,844	14,766	15,787	15,552	14,968	14,844	15,597	15,738	15,024	14,766
279/ 27900	Pembuatan kelengkapan elektrik lain	7,818	7,709	7,727	7,812	7,686	7,818	7,873	7,726	7,785	7,709
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,289	93,994	93,591	96,289	95,616	96,289	97,105	98,507	95,536	93,994
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	7,548	6,346	7,756	7,565	7,475	7,548	7,916	7,978	7,314	6,346
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,093	22,759	22,721	22,846	22,359	22,093	22,879	23,370	22,743	22,759
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,104	8,842	9,434	9,295	9,670	10,104	10,320	9,918	9,058	8,842
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,303	8,427	9,900	9,860	9,283	9,303	9,516	9,741	8,443	8,427
		47,242	47,621	43,781	46,723	46,829	47,242	46,473	47,499	47,977	47,621
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,340	25,665	24,441	24,590	25,233	25,340	24,538	24,742	25,777	25,665
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,336	8,712	6,672	6,905	7,078	7,336	7,572	7,608	8,612	8,712
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,158	53,237	53,903	54,279	54,005	54,158	54,927	54,735	53,178	53,237
301 (30110 & 30120)	Pembinaan kapal dan bot	13,936	15,257	13,252	13,269	13,692	13,936	14,201	14,379	15,054	15,257
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,491	29,049	30,075	29,704	30,033	29,491	30,053	29,372	28,999	29,049
	30910 Pembuatan motosikal	11,782	12,956	11,960	11,574	11,822	11,782	12,510	11,955	12,904	12,956
	30920 Pembuatan basikal dan <i>invalid carriages</i> Industri lain	3,464	1,579	3,428	3,554	3,567	3,464	3,241	3,048	1,749	1,579
		14,244	14,514	14,688	14,577	14,644	14,244	14,302	14,368	14,346	14,514
310	Pembuatan perabot	77,294	81,979	78,959	79,824	78,998	77,294	79,337	80,585	81,400	81,979
	31001 Pembuatan perabot kayu dan rotan Industri lain	59,201	62,863	60,777	61,735	60,915	59,201	60,595	61,797	62,840	62,863
		18,092	19,116	18,182	18,088	18,083	18,092	18,742	18,787	18,561	19,116
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,577	5,665	5,335	5,278	5,375	5,577	6,107	5,818	5,597	5,665
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,237	28,203	26,627	26,857	27,241	27,237	27,190	27,092	28,430	28,203
	32901 Pembuatan alat tulis Industri lain	6,191	6,097	6,137	6,149	6,281	6,191	6,062	5,971	6,269	6,097
		21,046	22,107	20,490	20,708	20,960	21,046	21,129	21,121	22,162	22,107
323/ 32300	Pembuatan barangan sukan	2,723	2,108	2,614	2,605	2,639	2,723	2,585	2,583	2,149	2,108
324/ 32400	Pembuatan permainan dan mainan	5,251	4,999	4,936	5,039	5,439	5,251	5,052	4,999	5,026	4,999
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	42,314	43,843	42,865	43,016	41,867	42,314	43,583	43,593	43,616	43,843
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	6,891	7,256	6,667	6,739	6,625	6,891	7,280	7,339	7,324	7,256
		35,423	36,587	36,198	36,276	35,242	35,423	36,302	36,254	36,292	36,587
Jumlah Pembuatan		2,335,435	2,374,557	2,287,325	2,297,905	2,316,961	2,335,435	2,351,269	2,345,574	2,372,752	2,374,557

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
6,019	5,956	5,980	5,891	5,916	5,853	5,800	6,165	6,236	6,186	5,937	5,915	5,678	Manufacture of optical instruments, photographic equipment, magnetic and optical media	
44,702	44,495	44,617	43,615	43,288	43,394	44,057	44,811	44,787	44,515	44,123	43,800	43,821	Manufacture of electric motors, generators, transformers and electricity distribution and	
19,030	18,915	18,928	18,370	18,325	18,215	18,430	18,952	19,102	18,989	18,799	18,737	18,722	Manufacture of electric motors, generators and	
25,672	25,580	25,689	25,245	24,962	25,179	25,627	25,859	25,685	25,525	25,325	25,064	25,099	Manufacture of electricity distribution and control	
8,689	8,630	8,624	8,538	8,587	8,589	8,534	8,674	8,939	8,998	8,653	8,671	8,677	Manufacture of batteries and accumulators	
23,949	24,428	24,299	24,434	23,557	23,545	23,357	23,815	24,010	23,909	23,779	23,530	23,984	Manufacture of wiring and wiring devices	
936	941	949	961	974	975	960	955	962	988	992	969	969	Manufacture of fibre optic cables	
21,586	22,060	21,892	21,973	21,087	21,073	20,962	21,334	21,463	21,330	21,211	20,980	21,421	Manufacture of other electronic and electric wires	
1,427	1,427	1,459	1,501	1,496	1,496	1,435	1,526	1,585	1,590	1,576	1,581	1,594	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material	
3,601	3,521	3,624	3,528	3,501	3,555	3,684	3,858	3,908	3,927	3,900	3,934	3,976	Manufacture of electric lighting equipment	
14,901	14,932	15,597	15,371	15,888	15,738	15,447	15,692	15,024	14,961	14,881	14,766	14,858	Manufacture of domestic appliances	
7,905	7,882	7,873	7,782	7,741	7,726	7,800	7,964	7,785	7,739	7,676	7,709	7,734	Manufacture of other electrical equipment	
96,996	98,086	97,105	97,395	96,815	98,507	96,005	96,046	95,536	95,332	95,471	93,994	94,750	Manufacture of general-purpose and special-purpose machinery	
7,902	7,976	7,916	7,874	7,856	7,978	7,893	7,373	7,314	7,378	7,334	6,346	5,997	Manufacture of fluid power equipment	
22,213	22,593	22,879	22,934	22,787	23,370	22,959	22,665	22,743	22,710	22,769	22,759	23,198	Manufacture of other pumps, compressors, taps and valves	
10,379	10,517	10,320	10,248	9,980	9,918	8,977	8,938	9,058	8,974	8,896	8,842	9,034	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives	
9,397	9,530	9,516	9,637	9,689	9,741	9,791	8,673	8,443	8,445	8,418	8,427	8,450	Manufacture of metal-forming machinery and machine tools	
47,104	47,471	46,473	46,702	46,503	47,499	46,385	48,397	47,977	47,825	48,053	47,621	48,070	Manufacture of air-conditioning machines, including for motor vehicles	
25,254	24,684	24,538	24,501	24,840	24,742	25,324	25,689	25,777	25,917	25,904	25,665	25,698	Manufacture of other special-purpose machinery	
7,361	7,676	7,572	7,590	7,595	7,608	7,726	8,581	8,612	8,662	8,618	8,712	8,550	Other industry	
54,385	54,728	54,927	54,833	55,002	54,735	54,809	53,205	53,178	53,183	53,069	53,237	53,768	Manufacture of motor vehicles	
14,356	14,389	14,201	14,031	14,262	14,379	14,709	14,826	15,054	14,933	15,177	15,257	15,401	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-	
29,937	29,923	30,053	29,681	29,565	29,372	29,691	28,994	28,999	29,105	28,979	29,049	29,327	Manufacture of parts and accessories for motor vehicles	
12,113	12,233	12,510	12,163	11,853	11,955	12,748	12,489	12,904	13,083	13,033	12,956	12,902	Building of ships and boats	
3,349	3,280	3,241	3,227	3,146	3,048	2,633	1,969	1,749	1,634	1,584	1,579	1,543	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport	
14,475	14,411	14,302	14,290	14,566	14,368	14,309	14,536	14,346	14,388	14,362	14,514	14,882	Manufacture of motorcycles	
79,024	79,053	79,337	80,462	80,682	80,585	80,271	80,892	81,400	82,545	81,929	81,979	82,638	Manufacture of bicycles and invalid carriages	
60,332	60,239	60,595	61,799	61,915	61,797	61,612	62,751	62,840	63,551	62,918	62,863	62,863	Other industry	
18,692	18,815	18,742	18,664	18,767	18,787	18,659	18,141	18,561	18,994	19,011	19,116	19,775	Manufacture of furniture	
5,981	6,112	6,107	6,014	6,041	5,818	5,567	5,485	5,597	5,620	5,669	5,665	5,692	Manufacture of wooden and cane furniture	
27,159	27,107	27,190	26,890	27,073	27,092	28,373	28,404	28,430	28,497	28,454	28,203	28,053	Other industry	
6,215	6,079	6,062	6,057	6,077	5,971	6,038	6,239	6,269	6,257	6,115	6,097	5,979	Manufacture of jewellery, bijouterie and related articles	
20,944	21,028	21,129	20,833	20,996	21,121	22,335	22,165	22,162	22,240	22,339	22,107	22,074	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.	
2,646	2,547	2,585	2,576	2,580	2,583	2,581	2,172	2,149	2,124	2,172	2,108	2,156	Manufacture of stationery	
5,130	5,127	5,052	5,024	5,044	4,999	4,549	5,005	5,026	5,095	5,022	4,999	4,933	Other industry	
43,460	43,478	43,583	43,684	44,026	43,593	44,126	44,084	43,616	43,845	43,599	43,843	44,459	Manufacture of sports goods	
7,422	7,409	7,280	7,434	7,286	7,339	7,271	7,395	7,324	7,183	7,245	7,256	7,476	Manufacture of games and toys	
36,037	36,069	36,302	36,251	36,740	36,254	36,855	36,689	36,292	36,662	36,354	36,587	36,983	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment	
2,341,951	2,349,967	2,351,269	2,349,159	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	Repair and maintenance of transport equipment except motorcycles and bicycles	
													Other industry	
Total Manufacturing														

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	4.9	7.8	-0.02	0.4	-0.1	4.9	6.3	9.5	10.3	7.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.3	3.5	-2.3	3.2	3.9	5.3	9.1	6.0	5.3	3.5
	10201 Pengetinan ikan, krustasea dan moluska										
	&										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6.4	2.2	-3.5	0.9	3.0	6.4	9.5	6.3	4.8	2.2
	Industri lain	-0.4	10.7	4.2	17.0	9.2	-0.4	6.7	4.6	7.5	10.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-2.1	1.7	-9.1	-9.3	-2.1	-2.1	2.2	6.0	4.0	1.7
	10303 Pengetinan nanas										
	&										
	10304 Pembuatan jem, marmalad dan sajian jeli	12.4	-8.1	-57.0	-52.1	-2.9	12.4	17.0	5.4	7.4	-8.1
	Industri lain	-3.0	2.3	-3.8	-4.6	-2.1	-3.0	1.5	6.1	3.8	2.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.0	6.7	3.2	3.1	3.6	6.0	6.9	7.0	8.9	6.7
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	&										
	10406 Pembuatan sebatian lemak masakan	5.7	10.5	1.8	4.6	5.0	5.7	9.9	8.3	16.3	10.5
	10405 Pembuatan minyak kelapa	4.9	3.5	3.5	6.8	7.5	4.9	3.5	1.3	3.7	3.5
	Industri lain	6.0	6.6	3.3	2.8	3.4	6.0	6.9	7.2	8.7	6.6
105	Pembuatan produk tenusu	1.1	4.2	-5.2	-4.0	-4.9	1.1	2.5	-0.1	4.4	4.2
	10502 Pembuatan susu pekat, tepung dan sejat	-1.1	1.9	-5.9	-5.4	-7.0	-1.1	1.3	-0.9	3.2	1.9
	Industri lain	7.3	10.1	-3.4	-0.2	0.8	7.3	5.9	2.0	7.7	10.1
106	Pembuatan produk bijian, kanji dan produk berkanji	3.6	3.0	3.2	2.5	1.8	3.6	4.3	4.3	4.1	3.0
	10611 Pengilangan beras	9.5	1.8	2.3	2.7	1.6	9.5	8.5	6.8	2.9	1.8
	10613 Pengilangan tepung	0.7	6.1	5.0	2.8	2.1	0.7	2.8	4.1	7.7	6.1
	Industri lain	-9.5	-5.5	-0.9	-0.1	1.8	-9.5	-9.4	-7.6	-6.7	-5.5
107	Pembuatan produk makanan lain	5.6	8.9	4.8	4.0	4.7	5.6	4.6	5.7	9.8	8.9
	10711 Pembuatan biskut dan cookies	1.0	2.8	20.4	21.2	21.9	1.0	2.1	0.6	1.6	2.8
	10712 Pembuatan roti, kek dan produk bakeri lain	3.5	8.0	2.1	-2.3	-1.6	3.5	8.7	9.6	11.5	8.0
	10713 Pembuatan produk snek	5.0	8.8	-5.1	-3.1	1.2	5.0	5.3	4.9	7.9	8.8
	10721 Pembuatan gula	-1.2	5.3	-2.7	-3.5	-3.8	-1.2	-0.5	2.7	7.2	5.3
	10731 Pembuatan produk koko	-0.5	3.2	-3.8	-1.9	1.8	-0.5	-2.2	1.1	-0.5	3.2
	10732 Pembuatan coklat dan produk coklat										
	&										
	10733 Pembuatan konfeksi gula	-2.1	9.8	-8.5	-5.5	-2.1	-2.1	-0.1	-1.7	3.7	9.8
	10793 Pembuatan sos dan bahan perasa	15.5	16.4	13.5	17.5	14.6	15.5	10.0	8.8	17.7	16.4
	10799 Pembuatan produk makanan lain t.t.t.l.	10.7	20.0	14.5	8.1	9.9	10.7	-7.4	4.0	16.9	20.0
	Industri lain	7.3	5.6	2.1	3.1	2.5	7.3	7.9	6.7	8.8	5.6
108/ 10800	Pembuatan makanan haiwan tersedia	4.6	-12.2	-16.4	-12.6	-2.5	4.6	5.3	-1.8	-7.6	-12.2
110	Pembuatan minuman ringan	2.6	2.6	1.2	3.9	0.7	2.6	2.9	3.8	2.8	2.6
	11041 Pembuatan minuman ringan	3.1	0.9	2.3	3.6	4.0	3.1	1.7	2.7	0.9	0.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-1.8	4.8	-5.4	0.5	-4.2	-1.8	4.9	4.8	5.5	4.8
	Industri lain	10.6	8.1	11.4	15.1	-6.4	10.6	5.2	8.2	8.7	8.1
120/ 12000	Pembuatan produk tembakau	2.8	2.2	0.1	1.7	0.2	2.8	2.4	7.1	6.1	2.2
131	Pemintalan, penenunan dan penyiapan tekstil	-1.8	1.2	-1.8	-1.9	-0.7	-1.8	0.5	2.8	2.6	1.2
	13110 Penyediaan dan pemintalan gentian tekstil										
	&										
	13120 Penenunan tekstil	-3.6	3.2	-7.5	-8.7	-5.6	-3.6	1.2	4.2	6.6	3.2
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-4.5	22.8	22.1	15.3	3.2	-1.6	-0.8	-7.2	-4.5
	Industri lain	-5.0	8.6	-30.2	-16.7	-16.3	-5.0	3.7	6.9	7.5	8.6
139	Pembuatan tekstil lain	2.5	1.9	3.2	6.3	4.9	2.5	3.2	2.4	2.5	1.9
	13910 Pembuatan fabrik dikait dan dikrusye	-1.9	-4.5	8.4	6.6	4.2	-1.9	-4.8	-5.1	-6.1	-4.5
	Industri lain	5.6	6.0	-0.2	6.0	5.4	5.6	8.8	7.4	8.2	6.0
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	2.6	2.8	6.4	5.8	2.6	1.8	3.1	3.0	2.6
	14102 Pembuatan pakaian	2.9	2.6	3.1	5.6	4.8	2.9	3.2	2.8	2.3	2.6
	Industri lain	1.9	2.6	2.1	8.6	8.7	1.9	-1.9	4.0	4.9	2.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.6	8.5	-12.1	-10.6	4.9	2.6	6.7	5.4	10.3	8.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-4.4	-0.6	5.8	2.6	-1.5	-4.4	-0.3	0.8	1.2	-0.6
152	Pembuatan kasut	8.8	5.3	0.9	8.3	9.3	8.8	9.9	7.6	5.7	5.3
	15201 Pembuatan kasut kulit										
	&										
	15203 Pembuatan kasut getah	10.3	-0.8	0.4	9.2	13.0	10.3	7.4	1.4	-0.02	-0.8
	Industri lain	6.9	12.9	1.4	7.1	5.1	6.9	13.0	15.2	12.8	12.9
161/ 16100	Pengilangan dan pengetaman kayu	-1.9	-2.6	3.6	10.4	0.6	-1.9	-1.7	-2.4	-3.6	-2.6

2023												2024												Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Spinning, weaving and finishing of textiles Preparation and spinning of textile fibres											
-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	Weaving of textiles											
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	Dyeing, bleaching, printing and finishing of yarns and fabrics											
-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	Other industry											
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	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	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	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	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	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	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	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	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	Manufacture of footwear Manufacture of leather footwear											
8.8	5.5	7.4	5.7	3.3	1.4	1.2	0.4	-0.02	0.2	-0.6	-0.8	-1.8	Manufacture of rubber 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	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	Sawmilling and planning of wood											

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.6	1.2	0.6	1.7	-0.1	1.6	3.0	1.4	1.5	1.2
16211	Pembuatan kepingan venier dan papan lapis	1.7	3.1	1.2	2.3	-1.2	1.7	2.6	1.3	2.3	3.1
16212	Pembuatan papan partikel dan papan gentian	-4.9	8.4	-1.5	5.3	5.0	-4.9	-7.7	-4.3	6.6	8.4
16221	Pertukangan kayu untuk jurubina	-3.4	-10.9	-13.6	-14.0	-15.7	-3.4	6.5	4.1	-4.0	-10.9
	Industri lain	9.3	2.3	15.0	14.4	17.4	9.3	7.1	2.6	0.5	2.3
170	Pembuatan kertas dan produk kertas	4.3	1.0	3.0	4.4	5.1	4.3	4.1	1.8	1.7	1.0
17010	Pembuatan pulpa, kertas dan kertas tebal	5.3	-2.4	4.9	8.6	8.8	5.3	7.1	-3.2	-3.0	-2.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.9	-1.4	2.1	2.3	5.6	6.9	5.4	3.6	0.5	-1.4
17091	Pembuatan sampul surat dan kad surat	-0.3	4.1	-7.8	-4.0	-0.7	-0.3	4.4	1.7	0.1	4.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.4	5.1	4.3	3.2	4.9	-1.4	-1.7	-1.6	4.5	5.1
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.0	0.0	4.4	9.8	0.9	4.0	4.3	4.4	2.0	0.0
	Industri lain	6.0	9.8	3.1	4.9	5.9	6.0	5.0	5.5	8.2	9.8
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.0	1.7	3.1	4.5	4.7	4.0	3.9	4.6	5.3	1.7
18110	Percetakan	4.7	2.3	4.0	5.8	6.2	4.7	4.5	5.5	6.3	2.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	0.9	-1.2	-0.6	-1.0	-1.2	0.9	1.4	0.7	1.0	-1.2
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.2	3.7	3.0	2.7	2.9	4.2	4.3	5.1	3.1	3.7
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.8	0.3	-3.5	-1.8	-2.4	1.8	3.5	3.1	0.1	0.3
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.6	9.1	-22.8	-21.3	-23.0	5.6	13.2	9.0	10.0	9.1
20112 & 20113	Pembuatan kimia organik asas	8.5	-1.9	10.1	11.7	12.3	8.5	9.4	7.6	2.5	-1.9
20121 & 20129	Pembuatan sebatian bukan organik	-16.2	-5.9	-16.0	-15.8	-17.2	-16.2	-12.5	-8.6	-16.7	-5.9
20131	Pembuatan produk campuran nitrogen	1.2	2.1	-2.6	-2.4	-2.6	1.2	0.2	1.0	2.4	2.1
	Pembuatan plastik dalam bentuk primer	13.0	6.6	14.2	27.2	23.5	13.0	14.1	5.7	6.9	6.6
	Industri lain										
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.3	-2.6	3.6	3.8	4.1	4.3	1.2	0.1	0.2	-2.6
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.3	13.8	1.3	1.5	0.5	-0.3	7.5	6.2	14.9	13.8
20221	Pembuatan cat, varnis dan penyadur dan mastik	-0.3	1.4	-7.1	-7.9	-6.5	-0.3	-11.2	4.0	2.7	1.4
20222	Pembuatan dakwat cetak	15.2	4.7	18.6	15.4	15.7	15.2	3.6	6.0	4.0	4.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	5.7	-7.7	-2.0	-2.0	1.1	5.7	4.4	-5.0	-5.3	-7.7
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	17.6	18.5	13.7	3.3	3.4	1.0	2.0	-4.0
20292 & 20299	Pembuatan dakwat menulis dan melukis										
20299	Pembuatan produk kimia lain t.t.t.l.	-11.4	-32.2	-5.9	-8.2	-7.2	-11.4	-4.0	-6.1	-36.1	-32.2
	Industri lain										
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.9	2.3	5.9	6.6	8.6	8.9	8.5	-0.3	1.6	2.3
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	7.0	1.1	5.8	5.8	8.7	7.0	6.1	0.1	1.5	1.1
	Industri lain	13.8	5.4	6.1	8.5	8.3	13.8	14.4	-1.2	2.0	5.4
221	Pembuatan produk getah	-0.2	-4.0	1.7	-0.5	0.2	-0.2	-2.7	-9.2	-6.0	-4.0
22111	Pembuatan tayar getah untuk kenderaan	-6.1	2.6	-0.5	-4.3	-5.1	-6.1	-6.3	-6.3	3.0	2.6
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.6	12.0	1.0	2.6	4.1	3.6	12.2	14.2	14.0	12.0
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.8	4.4	-7.1	-5.5	0.4	5.8	12.5	13.2	7.0	4.4
22192	Pengilangan semula getah dan prosesan susu getah	-1.1	-9.0	2.7	0.8	-0.6	-1.1	-8.5	-18.7	-14.0	-9.0
22199	Pembuatan sarung tangan getah	-0.4	-1.5	5.4	0.1	2.8	-0.4	0.9	-3.2	0.1	-1.5
	Pembuatan produk getah lain yang t.t.t.l.										
222	Pembuatan produk plastik	3.3	3.3	0.1	1.0	4.3	3.3	2.5	2.6	2.9	3.3
22201 & 22202	Pembuatan produk plastik separa siap	11.4	1.6	2.0	5.6	8.8	11.4	3.8	2.4	2.7	1.6
22203	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan barangan	4.0	5.8	3.7	3.5	6.8	4.0	4.3	4.7	6.5	5.8
22204	Pembuatan barangan plastik jurubina	9.3	0.3	4.1	7.0	7.9	9.3	2.6	3.7	3.1	0.3
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	9.4	0.7	13.2	17.9	20.8	9.4	-1.4	-5.4	-6.2	0.7
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-4.1	3.0	-7.4	-8.3	-4.9	-4.1	1.0	3.1	2.2	3.0
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	11.3	-1.0	4.1	12.6	17.6	11.3	11.3	5.5	2.6	-1.0

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of liquefied or compressed inorganic industrial or medical gases	
													Manufacture of basic organic chemicals	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of plastics products	
													Manufacture of semi-manufactures of plastic 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	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	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	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	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	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	Manufacture of glass and glass products	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.5	2.5	0.3	1.5	0.3	-0.5	-2.0	0.04	2.1	2.5
23911	Pembuatan mortar refraktori dan konkrit										
&											
23921	Pembuatan seramik bukan refraktori	-6.6	-8.1	-9.2	-9.5	-8.5	-6.6	-6.4	-5.2	-4.0	-8.1
23930	Pembuatan produk porselin dan seramik lain	2.9	-14.9	-2.0	-2.8	5.1	2.9	-12.6	-11.8	-14.2	-14.9
23941	Pembuatan simen hidroliik	-4.7	1.0	3.6	6.9	-4.5	-4.7	-6.6	-9.9	0.7	1.0
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.3	1.5	3.1	5.2	2.3	4.3	1.7	-0.8	1.8	1.5
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	-0.9	4.1	2.4	3.7	2.8	-0.9	0.7	6.2	5.1	4.1
&											
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.8	12.4	7.7	7.1	4.9	0.8	-5.1	0.3	6.6	12.4
	Industri lain	1.0	14.8	-7.8	-5.1	-3.6	1.0	1.8	2.5	6.7	14.8
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	0.4	5.3	0.9	3.8	6.0	0.4	1.7	1.6	4.9	5.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.6	-5.9	0.02	1.1	2.3	1.6	-0.4	-0.3	-4.8	-5.9
243	Pengacuan logam	-2.8	1.6	0.2	0.5	0.9	-2.8	-2.4	0.1	1.8	1.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.8	1.4	-2.3	1.6	-2.1	0.8	1.1	1.3	2.2	1.4
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-0.2	4.6	-3.2	0.3	-5.6	-0.2	-0.9	0.2	6.0	4.6
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	4.6	-8.3	1.1	4.1	7.1	4.6	6.2	3.4	-8.7	-8.3
	Industri lain	0.5	-0.7	-2.0	4.7	3.9	0.5	4.3	3.6	-0.5	-0.7
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	5.4	2.6	2.8	3.5	2.2	2.1	2.2	5.2	5.4
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	1.5	-0.3	1.6	2.7	5.5	1.5	-1.1	-5.8	-2.0	-0.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	5.8	-9.7	3.2	2.1	7.0	5.8	4.8	6.8	-6.9	-9.7
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.9	6.1	1.0	1.0	2.4	-1.9	0.5	-1.6	7.5	6.1
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	0.3	8.3	1.1	1.8	-0.5	0.3	1.8	3.2	6.6	8.3
&											
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-0.8	14.1	-6.0	1.5	-1.2	-0.8	1.8	5.2	11.8	14.1
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.4	7.9	5.4	3.9	3.6	5.4	3.5	5.2	10.1	7.9
	Industri lain	-0.3	21.8	4.8	4.7	4.5	-0.3	3.8	7.1	18.7	21.8
261	Pembuatan komponen dan papan elektronik	7.4	1.9	8.4	8.3	9.5	7.4	6.5	7.1	4.8	1.9
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya										
&											
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	6.7	0.9	7.2	7.6	8.0	6.7	5.1	4.1	2.2	0.9
26103	Pembuatan kapasitor dan perintang elektrik										
&											
26104	Pembuatan papan litar bercetak	9.3	3.0	10.9	10.2	13.0	9.3	9.5	12.1	8.4	3.0
&											
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	1.1	3.0	3.7	4.1	3.1	1.1	0.2	2.8	4.7	3.0
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.8	-3.2	8.8	9.4	7.0	5.8	0.3	-1.1	-2.4	-3.2
263/ 26300	Pembuatan peralatan komunikasi	7.8	0.3	4.6	4.6	8.4	7.8	6.6	4.7	-0.6	0.3
264/ 26400	Pembuatan peralatan elektronik pengguna	3.9	3.4	0.6	5.4	4.2	3.9	0.9	-2.8	5.7	3.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	8.2	-0.1	3.8	5.0	8.0	8.2	8.5	7.5	2.0	-0.1
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	8.8	0.2	2.9	3.4	6.2	8.8	10.0	10.8	3.1	0.2
&											
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	6.0	-1.1	6.7	10.7	14.6	6.0	3.4	-3.1	-1.5	-1.1
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	1.5	-3.1	-0.4	-1.1	-1.8	1.5	1.8	1.4	-2.1	-3.1

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
-1.0	-1.5	-2.0	-2.0	-0.5	0.04	1.0	1.9	2.1	1.8	2.5	2.5	-0.5	Manufacture of non-metallic mineral products 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	
-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		
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		
-3.6	-3.7	-6.6	-9.6	-9.7	-9.9	-6.8	1.4	0.7	0.4	0.5	1.0	0.4		
4.4	3.4	1.7	-2.7	-0.3	-0.8	2.6	-0.02	1.8	0.7	1.3	1.5	0.7		
-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		
-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		
-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		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
8.2	10.4	10.0	10.1	12.1	10.8	6.9	2.0	3.1	2.0	0.3	0.2	0.3	Manufacture of measuring, testing, navigating and control equipment	
													Manufacture of industrial process control equipment	
4.9	5.1	3.4	3.6	0.9	-3.1	-3.6	-5.3	-1.5	-1.6	-0.6	-1.1	-0.04	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	Manufacture of irradiation, electromedical and electrotherapeutic equipment	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.4	1.7	-11.2	-6.6	-4.2	-1.4	6.0	-1.4	3.9	1.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.8	-1.6	4.0	4.0	4.6	2.8	3.2	2.4	0.8	-1.6
27101	Pembuatan motor elektrik, penjana dan transformer	-2.3	0.7	0.6	1.2	-0.2	-2.3	-1.0	-2.1	1.3	0.7
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	6.8	-3.2	6.9	6.3	8.4	6.8	6.6	5.9	0.5	-3.2
272/ 27200	Pembuatan bateri dan akumulator	8.3	-0.2	-5.3	-3.5	2.8	8.3	1.6	3.3	1.0	-0.2
273	Pembuatan pendawaian dan peranti pendawaian	-0.4	-2.3	9.8	9.4	5.3	-0.4	1.6	-3.2	-1.1	-2.3
27310	Pembuatan kabel gentian optikal	4.4	4.6	5.6	10.5	8.5	4.4	1.3	1.0	-6.2	4.6
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1.2	-3.9	9.1	10.1	5.6	1.2	3.2	-2.5	-0.2	-3.9
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-23.7	19.5	22.6	0.9	0.3	-23.7	-17.8	-14.5	-9.5	19.5
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.0	7.6	-17.5	-12.3	-1.5	-1.0	-0.5	-6.2	-3.4	7.6
275/ 27500	Pembuatan perkakasan domestik	-3.1	-0.5	2.1	3.6	1.4	-3.1	-1.2	1.2	0.4	-0.5
279/ 27900	Pembuatan kelengkapan elektrik lain	3.1	-1.4	3.5	6.5	4.1	3.1	1.9	-1.1	1.3	-1.4
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.6	-2.4	1.2	2.8	4.4	3.6	3.8	2.3	-0.1	-2.4
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-1.0	-15.9	24.1	23.6	19.4	-1.0	2.1	5.5	-2.2	-15.9
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.1	3.0	-4.2	-3.9	-4.1	-2.1	0.7	2.3	1.7	3.0
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	15.3	-12.5	2.1	2.4	11.2	15.3	9.4	6.7	-6.3	-12.5
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-2.8	-9.4	0.1	0.1	-1.2	-2.8	-3.9	-1.2	-9.0	-9.4
	Industri lain	6.3	0.8	0.9	4.3	6.6	6.3	6.1	1.7	2.5	0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.5	1.3	1.9	4.0	5.2	4.5	0.4	0.6	2.2	1.3
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	12.8	18.8	2.5	5.2	7.7	12.8	13.5	10.2	21.7	18.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	-1.7	2.2	3.4	2.9	2.1	1.9	0.8	-1.5	-1.7
301 (30110 & 30120)	Pembinaan kapal dan bot	8.5	9.5	-0.5	7.5	5.6	8.5	7.2	8.4	10.0	9.5
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	2.6	-1.5	1.0	4.7	4.9	2.6	-0.1	-1.1	-3.4	-1.5
30910	Pembuatan motosikal	3.4	10.0	2.7	4.4	4.8	3.4	4.6	3.3	9.2	10.0
30920	Pembuatan basikal dan <i>invalid carriages</i>	7.5	-54.4	-11.2	5.4	10.2	7.5	-5.5	-14.2	-51.0	-54.4
	Industri lain	0.8	1.9	3.0	4.8	3.8	0.8	-2.6	-1.4	-2.0	1.9
310	Pembuatan perabot	0.6	6.1	4.4	10.7	1.9	0.6	0.5	1.0	3.0	6.1
31001	Pembuatan perabot kayu dan rotan	0.6	6.2	7.3	15.3	3.5	0.6	-0.3	0.1	3.2	6.2
	Industri lain	0.5	5.7	-4.2	-2.6	-3.2	0.5	3.1	3.9	2.6	5.7
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	3.3	1.6	-1.9	0.2	1.7	3.3	14.5	10.2	4.1	1.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.6	3.5	4.0	5.7	6.6	3.6	2.1	0.9	4.4	3.5
32901	Pembuatan alat tulis	-2.2	-1.5	1.2	2.9	4.4	-2.2	-1.2	-2.9	-0.2	-1.5
	Industri lain	5.4	5.0	4.8	6.6	7.2	5.4	3.1	2.0	5.7	5.0
323/ 32300	Pembuatan barangan sukan	2.1	-22.6	-1.4	1.6	4.5	2.1	-1.1	-0.9	-18.6	-22.6
324/ 32400	Pembuatan permainan dan mainan	8.2	-4.8	1.1	7.3	13.3	8.2	2.3	-0.8	-7.6	-4.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.1	3.6	4.3	7.5	2.1	2.1	1.7	1.3	4.2	3.6
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.5	5.3	-4.2	1.4	0.2	4.5	9.2	8.9	10.6	5.3
	Industri lain	1.6	3.3	6.0	8.7	2.5	1.6	0.3	-0.1	3.0	3.3
Jumlah Pembuatan		3.4	1.7	2.4	3.7	3.8	3.4	2.8	2.1	2.4	1.7

(%)

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
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	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	0.01	-0.5	-1.6	-2.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of bicycles and invalid carriages	
0.03	0.05	-0.3	-0.2	0.6	0.1	2.1	3.5	3.2	4.8	5.1	6.2	4.2	Manufacture of furniture	
3.6	2.7	3.1	2.4	3.8	3.9	3.7	1.7	2.6	4.8	7.5	5.7	5.8	Manufacture of wooden and cane 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	Manufacture of jewellery, bijouterie and related articles	
2.9	2.3	2.1	0.8	1.1	0.9	4.0	4.1	4.4	5.1	4.9	3.5	3.3	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.	
-1.2	-3.6	-1.2	-2.0	-2.0	-2.9	-3.6	-0.5	-0.2	-0.2	-0.3	-1.5	-3.8	Manufacture of stationery	
4.2	4.2	3.1	1.6	2.0	2.0	6.3	5.4	5.7	6.7	6.5	5.0	5.4	Other industry	
-1.7	-2.3	-1.1	-1.9	-2.2	-0.9	-1.3	-17.6	-18.6	-20.9	-18.0	-22.6	-18.5	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	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	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	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	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	Total Manufacturing	

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

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

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

(%)

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.6	-0.1	0.4	-0.3	-2.0	2.0	2.5	0.03	0.5	-2.3
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-7.0	-1.2	-1.7	3.5	-6.9	0.1	-0.5	-0.9	-5.0	-1.6
23930	Pembuatan produk porselin dan seramik lain	-0.6	1.1	3.2	-0.7	-15.6	2.0	0.3	-1.4	0.2	-15.4
23941	Pembuatan simen hidrolik	-0.1	3.2	-11.0	3.8	-2.1	-0.5	-0.5	4.1	1.5	0.03
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	-3.7	3.3	4.0	0.8	-6.1	0.8	6.6	0.6	1.0	-5.7
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1.0	-2.4	1.4	-0.9	2.6	3.0	0.3	-1.9	1.5	-0.5
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4.7	-2.4	0.6	-1.9	-1.5	3.2	6.9	3.4	-1.2	0.7
	Industri lain	3.0	2.7	1.9	-6.4	3.8	3.5	6.0	0.8	4.1	-0.1
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-2.2	1.1	0.1	1.4	-0.9	1.0	3.4	1.8	0.9	-3.2
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	3.6	-3.1	1.3	0.02	1.5	-3.0	-3.3	-1.1	0.5	2.4
243	Pengacuan logam	5.9	-6.8	0.4	-1.9	6.3	-4.4	2.1	-2.1	3.5	3.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.4	-2.4	0.3	2.6	0.7	-2.3	1.2	1.8	-0.4	0.4
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	0.9	-3.9	-0.9	3.9	0.1	-2.8	4.9	2.5	-0.8	0.4
25120	Pembuatan produk struktur logam lain										
	Pembuatan tangki, takungan dan kontena daripada logam	-0.8	0.6	5.9	-1.1	0.8	-2.1	-6.5	-0.7	-0.2	0.7
	Industri lain	-0.5	0.7	-1.2	1.5	3.3	0.04	-5.1	1.2	1.4	-0.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	-2.2	1.1	1.1	2.1	-2.1	4.2	1.2	1.1	1.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	0.5	0.4	3.3	-2.6	-2.1	-4.4	7.5	-0.9	0.8	-2.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	8.4	-7.6	2.3	3.2	7.4	-5.8	-10.8	0.1	1.0	3.3
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-0.5	-1.1	-0.3	0.1	1.9	-3.2	9.0	-1.3	3.5	0.02
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	-0.8	-1.3	0.7	1.8	0.7	0.01	4.1	3.3	1.2	1.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	3.8	-3.8	-5.0	4.7	6.5	-0.6	0.9	6.9	1.8	-0.1
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	3.4	-2.7	0.2	4.6	1.5	-1.1	4.8	2.5	0.5	2.1
	Industri lain	3.1	-2.0	0.8	-2.2	7.4	1.2	11.7	0.3	0.9	3.8
261	Pembuatan komponen dan papan elektronik	1.5	2.2	2.1	1.4	0.7	2.8	-0.1	-1.4	-0.8	1.2
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.4	2.8	2.2	0.2	-0.1	1.9	0.3	-1.1	-1.6	1.2
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro										
26103	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	1.7	1.2	2.7	3.3	1.9	3.7	-0.7	-1.8	0.2	1.4
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	0.8	2.6	-2.4	0.2	-0.1	5.3	-0.5	-1.5	-0.01	-0.04
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	1.1	1.7	1.0	1.9	-4.1	0.2	-0.3	1.1	-4.6	0.2
263/ 26300	Pembuatan peralatan komunikasi	0.0	4.1	3.5	0.1	-1.1	2.2	-1.7	1.0	-0.6	-0.6
264/ 26400	Pembuatan peralatan elektronik pengguna	0.1	4.4	1.0	-1.7	-2.8	0.6	9.8	-3.8	-2.0	-0.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1.0	0.9	3.5	2.5	1.3	-0.01	-1.8	0.4	0.05	1.3
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	0.2	0.9	4.2	3.3	1.2	1.6	-3.0	0.4	0.3	1.3
26520	Pembuatan kelengkapan kawalan proses perindustrian										
	Pembuatan jam tangan dan jam dan bahagiannya	4.0	0.7	1.3	-0.1	1.5	-5.6	2.9	0.3	-1.0	1.0
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-0.8	0.9	1.6	-0.1	-0.5	0.5	-1.9	-1.2	0.2	-1.0

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

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-4.3	5.2	1.1	-3.0	2.8	-2.1	6.5	-5.1	3.5	-1.0
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-0.1	-2.0	4.8	0.2	0.3	-2.7	3.2	-2.2	0.5	-0.5
27101	Pembuatan motor elektrik, penjana dan transformer	0.5	-2.7	1.3	-1.3	1.7	-3.8	4.9	-1.9	2.3	-0.6
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-0.6	-1.4	7.5	1.3	-0.8	-2.0	2.0	-2.4	-0.9	-0.4
272/ 27200	Pembuatan bateri dan akumulator	5.9	-2.0	6.4	-1.8	-0.7	-0.4	4.1	-3.0	0.02	-0.7
273	Pembuatan pendawaian dan peranti pendawaian	-1.1	1.7	-0.2	-0.8	0.9	-3.1	2.0	-2.0	-0.5	2.0
27310	Pembuatan kabel gentian optikal	5.6	3.1	6.2	-9.7	2.5	2.8	-1.4	0.7	1.0	0.5
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-1.6	1.9	-0.5	1.5	0.3	-3.7	1.8	-2.2	-1.1	2.2
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.4	-1.3	0.0	-24.4	10.3	2.6	5.9	-0.3	7.9	0.0
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.3	4.0	6.7	-9.6	-0.9	-1.9	9.9	0.7	-1.5	-2.2
275/ 27500	Pembuatan perkakasan domestik	3.1	-1.5	-3.8	-0.8	5.1	0.9	-4.5	-1.7	0.4	0.2
279/ 27900	Pembuatan kelengkapan elektrik lain	1.9	1.1	-1.6	1.7	0.7	-1.9	0.8	-1.0	1.1	-0.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.7	2.9	-0.7	0.7	0.8	1.4	-3.0	-1.6	0.7	1.1
28120 & 28130	Pembuatan alat-alat kuasa bendalir	1.7	-2.5	-1.2	1.0	4.9	0.8	-8.3	-13.2	4.7	0.9
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.7	0.6	-2.1	-1.2	3.6	2.1	-2.7	0.1	0.5	1.7
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.7	-1.5	4.0	4.5	2.1	-3.9	-8.7	-2.4	2.7	1.3
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	3.4	-0.4	-5.9	0.2	2.3	2.4	-13.3	-0.2	1.0	1.4
		-1.5	6.7	0.2	0.9	-1.6	2.2	1.0	-0.7	-0.3	0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	0.8	0.6	2.6	0.4	-3.2	0.8	4.2	-0.4	-0.3	-2.3
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	2.6	3.5	2.5	3.6	3.2	0.5	13.2	1.2	0.3	4.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.6	0.7	-0.5	0.3	1.4	-0.3	-2.8	0.1	0.4	0.6
301 (30110 & 30120)	Pembinaan kapal dan bot	3.2	0.1	3.2	1.8	1.9	1.3	4.7	1.3	3.0	0.2
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	4.6	-1.2	1.1	-1.8	1.9	-2.3	-1.3	0.2	1.5	-0.05
30910	Pembuatan motosikal	4.9	-3.2	2.1	-0.3	6.2	-4.4	7.9	0.4	2.8	1.0
30920	Pembuatan basikal dan invalid carriages	6.4	3.7	0.4	-2.9	-6.5	-5.9	-42.6	-9.7	-3.3	-2.1
	Industri lain	4.0	-0.8	0.5	-2.7	0.4	0.5	-0.2	1.2	1.6	-0.4
310	Pembuatan perabot	2.8	1.1	-1.0	-2.2	2.6	1.6	1.0	0.7	2.2	0.04
31001	Pembuatan perabot kayu dan rotan	3.3	1.6	-1.3	-2.8	2.4	2.0	1.7	0.04	1.9	-0.2
	Industri lain	1.0	-0.5	0.0	0.1	3.6	0.2	-1.2	3.0	3.3	0.7
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-1.2	-1.1	1.8	3.7	9.5	-4.7	-3.8	1.2	7.3	2.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.2	0.9	1.4	-0.01	-0.2	-0.4	4.9	-0.8	-0.3	-0.2
32901	Pembuatan alat tulis	-3.1	0.2	2.2	-1.4	-2.1	-1.5	5.0	-2.7	0.4	-2.2
	Industri lain	2.6	1.1	1.2	0.4	0.4	-0.04	4.9	-0.2	-0.5	0.4
323/ 32300	Pembuatan barangan sukan	-2.0	-0.3	1.3	3.2	-5.1	-0.1	-16.8	-1.9	-2.8	-3.8
324/ 32400	Pembuatan permainan dan mainan	1.8	2.1	7.9	-3.5	-3.8	-1.0	0.5	-0.5	-2.3	-0.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	3.4	0.4	-2.7	1.1	3.0	0.02	0.1	0.5	2.7	0.04
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1.1	1.1	-1.7	4.0	5.7	0.8	-0.2	-0.9	7.7	-0.2
	Industri lain	3.8	0.2	-2.9	0.5	2.5	-0.1	0.1	0.8	1.7	0.1
Jumlah Pembuatan		1.2	0.5	0.8	0.8	0.7	-0.2	1.2	0.1	0.3	0.3

2024											Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	
0.4	-1.5	0.4	-1.1	-0.9	6.3	1.2	-0.8	-4.0	-0.4	-4.0	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.3	-2.2	-0.7	0.2	1.5	1.7	-0.1	-0.6	-0.9	-0.7	0.05	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
0.1	-2.9	-0.2	-0.6	1.2	2.8	0.8	-0.6	-1.0	-0.3	-0.1	Manufacture of electric motors, generators and transformers
0.4	-1.7	-1.1	0.9	1.8	0.9	-0.7	-0.6	-0.8	-1.0	0.1	Manufacture of electricity distribution and control apparatus
-0.1	-1.0	0.6	0.02	-0.6	1.6	3.1	0.7	-3.8	0.2	0.1	Manufacture of batteries and accumulators
-0.5	0.6	-3.6	-0.1	-0.8	2.0	0.8	-0.4	-0.5	-1.1	1.9	Manufacture of wiring and wiring devices
0.9	1.2	1.4	0.1	-1.6	-0.5	0.8	2.7	0.4	-2.3	0.1	Manufacture of fibre optic cables
-0.8	0.4	-4.0	-0.1	-0.5	1.8	0.6	-0.6	-0.6	-1.1	2.1	Manufacture of other electronic and electric wires and cables
2.2	2.9	-0.3	0.0	-4.1	6.4	3.8	0.3	-0.9	0.3	0.8	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
2.9	-2.6	-0.8	1.5	3.7	4.7	1.3	0.5	-0.7	0.9	1.1	Manufacture of electric lighting equipment
4.5	-1.5	3.4	-0.9	-1.8	1.6	-4.3	-0.4	-0.5	-0.8	0.6	Manufacture of domestic appliances
-0.1	-1.2	-0.5	-0.2	1.0	2.1	-2.2	-0.6	-0.8	0.4	0.3	Manufacture of other electrical equipment
-1.0	0.3	-0.6	1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	Manufacture of general-purpose and special-purpose machinery
-0.7	-0.5	-0.2	1.6	-1.1	-6.6	-0.8	0.9	-0.6	-13.5	-5.5	Manufacture of fluid power equipment
1.3	0.2	-0.6	2.6	-1.8	-1.3	0.3	-0.1	0.3	-0.05	1.9	Manufacture of other pumps, compressors, taps and valves
-1.9	-0.7	-2.6	-0.6	-9.5	-0.4	1.4	-0.9	-0.9	-0.6	2.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-0.2	1.3	0.5	0.5	0.5	-11.4	-2.7	0.02	-0.3	0.1	0.3	Manufacture of metal-forming machinery and machine tools
-2.1	0.5	-0.4	2.1	-2.3	4.3	-0.9	-0.3	0.5	-0.9	0.9	Manufacture of air-conditioning machines, including for motor vehicles
-0.6	-0.2	1.4	-0.4	2.4	1.4	0.3	0.5	-0.1	-0.9	0.1	Manufacture of other special-purpose machinery
-1.4	0.2	0.1	0.2	1.5	11.1	0.4	0.6	-0.5	1.1	-1.9	Other industry
0.4	-0.2	0.3	-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	Manufacture of motor vehicles
-1.3	-1.2	1.6	0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
0.4	-0.2	0.3	-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	Manufacture of parts and accessories for motor vehicles
-1.3	-1.2	1.6	0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	Building of ships and boats
0.4	-1.2	-0.4	-0.7	1.1	-2.3	0.0	0.4	-0.4	0.2	1.0	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
2.3	-2.8	-2.6	0.9	6.6	-2.0	3.3	1.4	-0.4	-0.6	-0.4	Manufacture of motorcycles
-1.2	-0.4	-2.5	-3.1	-13.6	-25.2	-11.2	-6.6	-3.1	-0.3	-2.3	Manufacture of bicycles and invalid carriages
-0.76	-0.1	1.93	-1.36	-0.4	1.6	-1.3	0.3	-0.2	1.1	2.5	Other industry
0.4	1.4	0.3	-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	Manufacture of furniture
0.6	2.0	0.2	-0.2	-0.3	1.8	0.1	1.1	-1.0	-0.1	0.0	Manufacture of wooden and cane furniture
-0.4	-0.4	0.6	0.1	-0.7	-2.8	2.3	2.3	0.1	0.6	3.4	Other industry
-0.1	-1.5	0.5	-3.7	-4.3	-1.5	2.0	0.4	0.9	-0.1	0.5	Manufacture of jewellery, bijouterie and related articles
0.3	-1.1	0.7	0.1	4.7	0.1	0.1	0.2	-0.1	-0.9	-0.5	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.3	-0.1	0.3	-1.7	1.1	3.3	0.5	-0.2	-2.3	-0.3	-1.9	Manufacture of stationery
0.5	-1.4	0.8	0.6	5.7	-0.8	-0.01	0.4	0.4	-1.0	-0.1	Other industry
1.5	-0.4	0.2	0.1	-0.1	-15.9	-1.1	-1.2	2.3	-2.9	2.3	Manufacture of sports goods
-1.5	-0.6	0.4	-0.9	-9.0	10.0	0.4	1.4	-1.4	-0.5	-1.3	Manufacture of games and toys
0.2	0.2	0.8	-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-1.7	2.1	-2.0	0.7	-0.9	1.7	-1.0	-1.9	0.9	0.1	3.0	Repair and maintenance of transport equipment except motorcycles and bicycles
0.6	-0.1	1.3	-1.3	1.7	-0.5	-1.1	1.0	-0.8	0.6	1.1	Other industry
0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	-0.04	-0.1	-0.1	Total Manufacturing

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

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

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
36	34	33	35	35	36	34	35	37	37	37	37	36	Processing and preserving of meat	
40	39	39	38	40	40	40	40	40	40	40	41	40	Processing and preserving of fish, crustaceans and molluscs	
32	32	32	31	32	32	33	32	32	32	32	32	31	Canning of fish, crustaceans and molluscs	
7	7	7	7	7	7	7	8	8	8	8	8	8	Processing, curing and preserving of fish, crustacean and molluscs	
18	18	19	19	20	20	19	18	18	18	18	18	19	Other industry	
18	18	19	19	20	20	19	18	18	18	18	18	19	Processing and preserving of fruits and vegetable	
1	1	1	1	1	1	1	1	1	1	1	1	1	Pineapple canning	
17	17	17	18	18	18	18	17	17	17	17	17	18	Manufacture of jams, marmalades and table jellies	
264	261	258	262	262	260	267	258	268	271	265	296	278	Other industry	
19	18	18	19	18	19	17	18	18	18	18	18	18	Manufacture of vegetable and animal oils and fats	
9	9	9	9	9	9	10	10	10	10	10	10	10	Manufacture of crude and refined vegetable oil	
237	233	230	234	235	232	240	230	240	243	237	268	250	Manufacture of compound cooking fats	
73	77	75	77	77	78	71	75	78	76	77	88	90	Manufacture of coconut oil	
64	69	66	69	68	69	63	66	68	66	67	79	81	Other industry	
9	8	9	8	9	9	9	9	9	10	10	9	9	Manufacture of dairy products	
32	32	32	33	32	33	32	32	32	31	31	32	33	Manufacture of condensed, powdered and evaporated milk	
16	16	16	16	16	15	16	15	15	15	15	15	15	Other industry	
14	14	14	15	14	16	14	14	14	14	14	16	15	Manufacture of grain mill products, starches and starch products	
2	2	2	2	2	2	2	2	2	2	2	2	2	Rice milling	
372	361	361	357	363	363	368	376	388	389	391	410	394	Flour milling	
34	33	33	34	35	35	37	37	38	37	38	38	37	Other industry	
82	79	77	80	82	81	84	84	86	85	87	88	84	Manufacture of other food products	
20	21	21	20	19	20	20	21	22	22	22	23	23	Manufacture of biscuits and cookies	
6	6	5	5	6	6	6	6	6	6	6	7	6	Manufacture of bread, cakes and other bakery products	
7	8	8	9	8	8	8	8	8	8	8	9	8	Manufacture of snack products	
34	33	34	31	31	31	32	33	35	36	37	38	36	Manufacture of sugar	
32	31	37	35	33	34	33	36	38	38	38	44	41	Manufacture of cocoa products	
48	44	43	43	45	46	46	47	50	50	50	53	51	Manufacture of chocolate and chocolate products	
107	106	103	101	103	103	102	104	106	106	106	111	108	Manufacture of sugar confectionery	
90	98	93	90	94	92	95	93	94	96	99	107	100	Manufacture of sauces and condiments	
48	47	47	47	46	45	45	45	49	49	51	54	51	Manufacture of other food products n.e.c.	
34	33	33	34	33	33	33	32	34	34	36	39	36	Other industry	
11	10	11	11	10	10	10	11	11	11	11	11	12	Manufacture of prepared animal feeds	
3	3	3	3	3	3	3	3	3	3	3	4	4	Manufacture of beverages	
6	6	6	5	5	5	5	5	5	5	5	7	6	Manufacture of soft drinks	
29	27	28	28	29	28	29	29	30	29	30	30	30	Production of natural mineral waters and other bottled waters	
20	18	19	19	20	20	21	21	21	20	21	21	21	Other industry	
9	9	8	8	8	8	7	8	8	8	8	8	8	Manufacture of tobacco products	
1	1	1	1	1	1	1	1	1	1	1	1	1	Spinning, weaving and finishing of textiles	
30	29	30	30	31	30	30	30	30	31	30	31	31	Preparation and spinning of textile fibres	
8	8	8	8	9	9	8	8	8	9	9	9	8	Weaving of textiles	
22	21	22	22	22	22	22	22	22	22	22	22	23	Dyeing, bleaching, printing and finishing of yarns and fabrics	
83	77	78	78	77	74	75	74	77	76	82	88	85	Other industry	
58	52	52	53	52	49	50	49	51	51	56	62	61	Manufacture of other textiles	
26	25	26	25	25	25	24	25	26	25	26	26	25	Manufacture of knitted and crocheted fabrics	
2	2	2	2	2	2	2	2	2	2	2	2	2	Other industry	
11	11	11	11	11	11	10	10	11	11	11	12	11	Manufacture of wearing apparel, except fur apparel	
18	18	18	18	18	17	17	17	18	18	18	18	19	Manufacture of clothings	
13	13	13	12	13	12	12	12	12	12	12	12	12	Manufacture of articles of fur, knitted and crocheted apparel	
5	5	5	5	5	5	5	5	6	6	6	6	7	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	
44	45	44	43	42	42	44	43	44	45	44	44	44	Manufacture of footwear	
													Manufacture of leather footwear	
													Manufacture of rubber footwear	
													Other industry	
													Sawmilling and planing of wood	

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

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

2023												2024												Group Description/Period																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

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	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,717	3,799	913	931	927	946	914	932	952	1,001
	23911 Pembuatan mortar refraktori dan konkrit										
	&										
	23921 Pembuatan seramik bukan refraktori	311	320	74	78	79	81	75	80	81	84
	23930 Pembuatan produk porselin dan seramik lain	170	146	44	43	42	41	37	35	37	37
	23941 Pembuatan simen hidraulik	278	293	69	70	68	71	73	75	73	73
	23951 Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	738	709	181	185	187	185	175	173	177	185
	23952 Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;										
	&										
	23953 Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,279	1,344	316	319	320	324	319	330	341	355
	&										
	23959 Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
	23990 Pembuatan produk mineral bukan logam lain t.t.t.l.	539	592	133	132	131	142	141	141	146	164
	Industri lain	402	394	96	104	100	103	95	99	97	104
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,368	2,396	621	592	558	597	631	596	569	600
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,396	1,467	365	336	336	358	394	363	347	364
243	Pengacuan logam	416	398	107	101	102	106	103	99	96	100
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,643	1,722	414	403	403	423	431	427	428	435
	25113 Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	841	890	214	205	203	218	226	224	222	218
	25119 Pembuatan produk struktur logam lain										
	25120 Pembuatan tangki, takungan dan kontena daripada logam	609	631	152	149	153	155	154	153	157	167
	Industri lain	193	201	48	48	47	50	51	50	50	51
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,982	4,211	1,021	976	970	1,016	1,063	1,018	1,029	1,101
	25910 Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	754	744	194	188	183	189	185	178	184	197
	25920 Rawatan dan penyalutan logam; menggunakan mesin	509	485	132	130	121	126	128	124	115	118
	25991 Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	476	555	112	109	119	136	134	128	138	156
	25992 Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,020	1,124	264	243	250	263	277	273	277	297
	&										
	25993 Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
	25994 Pembuatan barangan rumah daripada logam	65	65	16	17	17	16	16	16	17	17
	25999 Pembuatan produk lain yang direka daripada logam t.t.t.l.	973	1,028	247	244	240	243	272	249	247	259
	Industri lain	185	210	56	45	41	43	50	50	52	57
261	Pembuatan komponen dan papan elektronik	12,261	12,315	3,183	3,024	2,923	3,130	3,230	3,122	2,887	3,076
	26101 Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya										
	&										
	26102 Pembuatan litar elektronik bersepadu dengan pemasangan mikro	7,883	7,930	2,026	1,972	1,891	1,993	2,051	1,995	1,908	1,976
	26103 Pembuatan kapasitor dan perintang elektrik										
	&										
	26104 Pembuatan papan litar bercetak	3,901	3,912	1,033	930	918	1,020	1,056	1,004	870	983
	&										
	26105 Pembuatan komponen paparan										
	26109 Pembuatan komponen lain untuk aplikasi elektronik	477	473	124	122	114	117	123	123	109	117
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	3,001	3,095	741	739	733	788	748	746	768	834
263/ 26300	Pembuatan peralatan komunikasi	789	783	194	196	187	211	211	198	178	197
264/ 26400	Pembuatan peralatan elektronik pengguna	1,341	1,338	329	327	343	342	329	311	339	360
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	2,450	2,973	521	583	634	712	629	755	785	804
	26511 Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan										
	&										
	26512 Pembuatan kelengkapan kawalan proses perindustrian	2,275	2,786	477	542	591	666	582	711	736	756
	26520 Pembuatan jam tangan dan jam dan bahagiannya	175	187	44	41	44	46	47	44	49	47
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	736	728	179	186	184	187	192	194	169	173

2023												2024		Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
312	298	305	304	314	314	313	314	325	326	333	342	330	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	
25	24	26	26	27	28	27	27	27	27	27	30	29		
15	11	11	11	12	12	12	12	12	12	12	13	11		
26	24	24	24	26	25	25	24	24	23	24	26	26		
59	58	58	57	58	58	58	58	61	60	61	63	63		
109	103	107	107	112	111	114	112	115	116	123	117	115		
46	47	47	44	49	48	46	49	51	53	53	58	53		
32	31	32	34	32	32	32	32	33	34	34	36	33		
215	207	208	202	201	194	188	189	192	191	192	217	220	Manufacture of basic iron and steel	
131	135	128	121	122	119	117	114	116	118	118	129	135	Manufacture of basic precious and other non-ferrous metals	
36	33	34	33	33	33	31	32	33	33	33	35	36	Casting of metals	
144	143	144	141	144	142	143	143	142	141	142	153	158	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition	
75	75	77	74	76	74	75	74	73	72	72	74	78	Manufacture of metal doors, windows and their frames, shutters and gates	
52	51	51	51	52	51	52	52	53	52	53	62	63	Manufacture of other structural metal products	
17	17	17	17	17	16	16	17	17	17	17	17	17	Manufacture of tanks, reservoirs and containers of metal	
													Other industry	
354	358	351	337	344	337	336	342	352	357	358	386	382	Manufacture of other fabricated metal products; metal working service activities	
63	62	60	60	61	58	60	62	63	63	63	71	65	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	
43	44	42	41	41	41	41	37	37	37	36	45	43	Treatment and coating of metals; machining	
46	45	44	42	43	43	43	46	49	50	53	53	53	Manufacture of tins and cans for food products, collapsible tubes and boxes	
													Manufacture of metal cable, plaited bands and similar articles	
90	94	93	88	93	92	91	91	94	97	97	104	106	Manufacture of bolts, screws, nuts and similar threaded products	
5	5	5	5	5	5	6	6	6	6	6	6	6	Manufacture of metal household articles	
93	91	89	83	84	82	79	83	85	87	85	88	91	Manufacture of any other fabricated metal products n.e.c.	
15	18	18	18	16	16	16	17	18	19	19	20	19	Other industry	
1,055	1,103	1,073	1,046	1,046	1,029	942	957	988	985	980	1,112	1,005	Manufacture of electronic components and boards	
													Manufacture of diodes, transistors and similar semiconductor devices	
668	688	695	678	656	661	626	638	644	640	625	712	646	Manufacture of electronic integrated circuits micro assemblies	
													Manufacture of electrical capacitors and resistors	
346	374	336	327	350	328	277	285	307	306	318	358	316	Manufacture of printed circuit boards	
													Manufacture of display components	
41	41	42	41	41	41	39	34	37	38	37	42	43	Manufacture of other components for electronic applications	
252	259	237	248	262	236	251	250	267	263	263	309	268	Manufacture of computers and peripheral equipment	
72	69	70	67	64	67	56	62	60	59	72	66	65	Manufacture of communication equipment	
113	104	112	101	104	106	105	112	121	121	120	118	119	Manufacture of consumer electronics	
200	208	222	231	253	271	261	260	264	262	262	280	246	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
													Manufacture of measuring, testing, navigating and control equipment	
184	193	206	217	238	257	244	244	248	246	246	264	230	Manufacture of industrial process control equipment	
16	15	15	15	15	14	17	16	16	16	16	15	16	Manufacture of watches and clocks and parts	
63	66	64	67	64	63	58	56	56	56	54	63	64	Manufacture of irradiation, electromedical and electrotherapeutic equipment	

Jadual
Table

1.6a

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2022				2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	500	499	121	130	125	124	124	122	123	131
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,246	1,241	328	289	313	317	322	300	309	309
	27101 Pembuatan motor elektrik, penjana dan transformer	474	489	113	118	123	120	116	118	126	130
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	772	751	215	171	190	196	207	181	183	180
272/ 27200	Pembuatan bateri dan akumulator	481	550	117	114	121	129	135	132	141	143
273	Pembuatan pendawaian dan peranti pendawaian	1,133	1,069	273	273	292	295	278	269	274	248
	27310 Pembuatan kabel gentian optikal	84	92	18	18	22	24	21	23	24	24
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	1,011	946	244	245	260	261	250	238	241	216
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	39	31	11	10	10	9	8	8	8	8
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	248	249	62	55	64	66	61	54	66	68
275/ 27500	Pembuatan perkakasan domestik	436	395	124	118	105	89	94	98	106	97
279/ 27900	Pembuatan kelengkapan elektrik lain	395	444	89	91	99	115	116	104	107	117
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,424	4,451	1,123	1,070	1,083	1,149	1,148	1,080	1,084	1,139
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	348	361	84	83	87	94	85	89	91	96
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	919	899	229	220	229	242	221	220	224	234
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	743	637	180	172	189	202	185	151	147	154
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	525	513	149	129	117	130	142	134	118	119
		1,889	2,042	482	466	461	480	515	486	505	536
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,152	1,110	286	290	281	295	270	274	279	287
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	344	401	77	87	89	92	97	92	102	110
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,030	2,115	509	512	492	517	511	547	518	538
301 (30110 & 30120)	Pembinaan kapal dan bot	281	312	74	70	67	69	77	75	76	83
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	861	859	215	219	214	213	220	218	209	212
	30910 Pembuatan motosikal	534	534	134	139	134	128	133	135	132	135
	30920 Pembuatan basikal dan invalid carriages	121	106	30	29	30	32	31	30	24	22
	Industri lain	206	219	51	51	50	54	56	54	53	55
310	Pembuatan perabot	2,556	2,687	658	629	622	647	683	655	660	689
	31001 Pembuatan perabot kayu dan rotan	2,025	2,192	517	493	497	519	553	537	540	562
	Industri lain	530	494	141	136	126	128	130	118	120	126
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	261	257	68	63	62	69	67	60	61	68
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	732	738	185	180	184	183	179	180	185	194
	32901 Pembuatan alat tulis	153	148	39	39	38	37	37	36	39	37
	Industri lain	579	590	146	141	145	146	142	144	146	157
323/ 32300	Pembuatan barangan sukan	71	68	18	17	17	19	19	18	16	16
324/ 32400	Pembuatan permainan dan mainan	236	263	54	54	63	65	63	66	66	67
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,319	1,407	334	331	312	342	359	355	338	355
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	275	312	69	68	63	76	80	76	69	87
	Industri lain	1,043	1,095	265	263	249	267	279	279	269	268
Jumlah Pembuatan		94,528	97,789	23,513	23,318	23,364	24,332	24,517	24,165	24,068	25,039

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
41	40	44	41	39	42	40	41	42	42	43	45	44		Manufacture of optical instruments, photographic equipment, magnetic and optical media
111	104	107	97	101	102	104	103	102	100	97	112	109		Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
42	37	36	38	40	41	40	42	43	44	43	43	46		Manufacture of electric motors, generators and transformers
69	67	70	59	62	61	64	61	59	56	55	69	63		Manufacture of electricity distribution and control apparatus
43	46	45	42	47	43	46	47	48	48	48	47	44		Manufacture of batteries and accumulators
95	94	89	84	90	95	91	92	90	87	82	79	80		Manufacture of wiring and wiring devices
7	7	7	7	8	8	8	8	8	8	7	8	7		Manufacture of fibre optic cables
85	85	80	75	79	85	80	82	79	76	72	68	70		Manufacture of other electronic and electric wires and cables
3	3	3	2	3	3	3	3	3	3	3	2	3		Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
22	21	18	17	18	19	21	23	22	22	21	26	24		Manufacture of electric lighting equipment
30	32	31	25	36	36	36	36	34	33	32	33	32		Manufacture of domestic appliances
40	39	37	33	34	37	35	35	37	38	36	42	42		Manufacture of other electrical equipment
393	384	371	363	360	357	354	363	367	370	368	400	386		Manufacture of general-purpose and special-purpose machinery
														Manufacture of fluid power equipment
28	28	28	29	30	30	30	31	30	31	29	37	20		Manufacture of other pumps, compressors, taps and valves
														Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
75	72	75	72	74	74	73	75	76	75	77	82	74		Manufacture of metal-forming machinery and machine tools
60	63	61	51	50	50	49	48	49	49	50	55	58		Manufacture of air-conditioning machines, including for motor vehicles
49	49	44	45	45	45	44	36	37	39	38	42	44		Manufacture of other special-purpose machinery n.e.c.
181	172	162	166	162	158	158	173	175	177	174	185	190		Other industry
92	93	85	90	92	92	91	94	93	93	92	103	90		Manufacture of motor vehicles
33	33	30	30	31	31	31	35	36	36	36	38	36		Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
166	171	174	181	184	183	175	171	172	173	174	191	172		Manufacture of parts and accessories for motor vehicles
24	24	29	24	26	25	25	25	26	26	28	29	29		Building of ships and boats
72	74	74	74	74	71	71	68	70	72	69	71	71		Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
43	45	45	46	46	43	43	43	46	47	43	45	45		Manufacture of motorcycles
10	10	11	10	10	10	9	7	7	7	8	8	7		Manufacture of bicycles and invalid carriages
19	18	19	18	19	18	19	17	17	18	18	19	19		Other industry
233	225	224	217	223	215	216	218	226	226	226	237	237		Manufacture of furniture
190	182	181	174	185	178	177	178	185	184	184	194	194		Manufacture of wooden and cane furniture
44	43	43	43	38	37	39	40	41	42	42	42	43		Other industry
23	22	22	22	20	18	20	20	21	21	23	24	22		Manufacture of jewellery, bijouterie and related articles
61	60	58	58	62	60	60	62	63	63	63	68	64		Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
12	13	12	12	12	12	12	13	13	12	12	12	12		Manufacture of stationery
49	47	46	46	50	48	48	48	50	51	51	56	51		Other industry
6	6	6	6	6	6	6	5	5	5	5	5	5		Manufacture of sports goods
21	21	22	20	22	23	21	22	23	22	20	25	18		Manufacture of games and toys
119	120	120	122	119	115	113	113	113	113	118	124	120		Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
26	28	26	26	25	25	23	23	23	24	29	34	27		Repair and maintenance of transport equipment except motorcycles and bicycles
93	92	93	96	94	90	90	90	89	89	89	90	93		Other industry
8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001	8,135	8,146	8,149	8,744	8,350		Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging	1.8	17.9	-0.4	-2.2	1.0	8.3	17.2	22.0	21.7	11.6
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.7	6.0	-5.1	-4.3	-1.1	3.8	6.0	6.6	7.8	3.6
	10201 Pengetinan ikan, krustasea dan moluska										
	&										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.0	7.4	-6.6	-6.4	-2.8	4.3	8.3	8.7	10.7	2.2
	Industri lain	3.6	0.3	1.6	5.0	6.0	1.7	-3.0	-1.7	-3.1	9.2
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.8	17.9	3.1	5.3	11.8	15.6	18.5	23.8	16.8	12.6
	10303 Pengetinan nanas										
	&										
	10304 Pembuatan jem, marmalad dan sajian jeli	-25.2	39.3	-46.9	-41.9	-6.6	24.4	56.6	54.8	29.4	20.9
	Industri lain	12.0	16.6	8.9	10.7	13.3	15.1	16.4	22.0	15.9	12.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.6	7.9	5.8	5.2	7.4	8.0	8.5	7.8	7.8	7.5
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	&										
	10406 Pembuatan sebatian lemak masakan	6.9	-0.1	3.2	7.2	10.0	7.0	5.5	1.9	-6.1	-1.2
	10405 Pembuatan minyak kelapa	-2.9	22.9	-15.3	-6.2	9.5	5.4	11.5	11.2	34.0	36.3
	Industri lain	7.0	8.1	7.0	5.6	7.1	8.2	8.7	8.2	8.1	7.3
105	Pembuatan produk tenusu	8.9	5.3	11.4	11.0	8.5	4.5	1.8	2.3	3.6	13.9
	10502 Pembuatan susu pekat, tepung dan sejat	10.0	5.1	12.5	12.3	10.2	5.1	2.3	2.8	1.9	13.6
	Industri lain	0.8	7.4	3.9	2.3	-3.4	0.0	-1.6	-1.7	18.4	16.3
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	3.9	0.7	1.9	1.6	-0.2	2.7	6.1	3.4	3.3
	10611 Pengilangan beras	1.3	3.9	2.6	3.2	0.7	-1.2	6.0	5.5	4.2	0.03
	10613 Pengilangan tepung	0.7	4.4	-1.2	1.6	2.9	-0.3	-0.7	7.1	3.2	8.0
	Industri lain	0.6	-0.1	0.04	-4.6	-0.5	7.7	1.7	3.2	-0.8	-4.3
107	Pembuatan produk makanan lain	9.8	7.9	8.5	9.5	10.5	10.5	8.2	5.3	8.5	9.3
	10711 Pembuatan biskut dan cookies	17.0	14.3	17.1	23.3	18.0	10.8	12.6	10.9	16.8	16.8
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.1	6.7	-3.9	-1.8	1.3	3.7	9.1	6.5	6.5	5.1
	10713 Pembuatan produk snek	13.5	7.9	9.8	10.6	16.6	16.9	12.3	3.0	6.0	10.3
	10721 Pembuatan gula	7.3	-11.9	16.0	14.0	7.5	-7.4	-22.0	-17.3	-10.9	5.6
	10731 Pembuatan produk koko	13.2	4.9	27.8	9.3	10.3	7.1	-4.8	3.9	12.2	8.9
	10732 Pembuatan coklat dan produk coklat										
	&										
	10733 Pembuatan konfeksi gula	15.6	1.0	14.7	13.4	16.5	17.7	2.4	-7.1	1.1	7.4
	10793 Pembuatan sos dan bahan perasa	1.6	16.3	5.2	7.2	-0.4	-4.5	9.1	12.3	18.8	24.8
	10799 Pembuatan produk makanan lain t.t.t.l.	26.4	17.2	23.7	21.3	28.6	31.4	18.9	15.8	19.0	15.2
	Industri lain	10.3	4.3	8.3	10.2	10.7	12.0	6.4	2.7	4.3	3.8
108/ 10800	Pembuatan makanan haiwan tersedia	1.5	7.6	1.8	1.6	0.5	2.2	7.2	6.4	8.1	8.4
110	Pembuatan minuman ringan	4.8	7.7	1.0	5.5	6.8	5.8	6.9	8.3	8.5	7.2
	11041 Pembuatan minuman ringan	9.0	9.4	4.9	10.1	10.6	10.6	11.9	12.6	8.8	5.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-0.8	1.4	0.8	-1.2	0.2	-3.0	-5.5	-2.1	5.2	8.4
	Industri lain	-15.2	12.9	-26.8	-12.5	-6.1	-11.5	3.3	1.8	18.0	28.2
120/ 12000	Pembuatan produk tembakau	2.6	4.8	0.8	1.8	3.9	3.9	4.5	8.5	5.2	1.7
131	Pemintalan, penenunan dan penyiapan tekstil	7.8	-2.5	6.6	7.1	11.9	5.7	-4.4	-2.1	-0.3	-3.0
	13110 Penyediaan dan pemintalan gentian tekstil										
	&										
	13120 Penenunan tekstil	7.2	0.3	5.5	4.0	11.6	8.0	-4.9	1.5	4.7	0.1
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	9.5	-8.9	10.0	14.4	13.4	1.3	-3.6	-9.8	-12.0	-10.1
	Industri lain	1.5	1.4	-0.3	5.8	2.7	-2.0	-1.0	-3.8	10.8	0.03
139	Pembuatan tekstil lain	-2.9	13.1	-3.2	-3.8	-2.8	-1.7	12.3	16.9	12.8	10.8
	13910 Pembuatan fabrik dikait dan dikrusye	-12.6	3.3	-4.0	-14.0	-16.9	-14.7	-5.4	10.6	6.3	2.3
	Industri lain	2.0	17.5	-2.8	1.3	4.5	5.3	20.5	19.6	15.5	14.5
141	Pembuatan pakaian, kecuali pakaian berbulu	5.9	5.8	3.8	5.8	7.4	6.8	6.0	8.5	5.6	3.4
	14102 Pembuatan pakaian	3.2	6.3	2.4	3.4	1.4	5.3	7.7	9.2	5.2	3.4
	Industri lain	12.1	4.8	6.9	10.7	22.2	10.4	2.7	7.0	6.4	3.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.9	-1.6	-3.8	2.7	10.3	-0.3	-5.5	-7.2	1.5	5.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1.5	5.2	-0.5	-0.9	5.6	2.0	4.3	8.4	5.1	3.1
152	Pembuatan kasut	7.6	6.5	5.9	9.6	11.8	3.6	6.0	6.1	6.9	7.1
	15201 Pembuatan kasut kulit										
	&										
	15203 Pembuatan kasut getah	9.1	2.8	6.9	12.0	14.8	3.8	5.8	4.6	2.0	-1.1
	Industri lain	3.7	16.2	3.5	4.0	4.7	2.8	6.6	9.9	19.9	29.0
161/ 16100	Pengilangan dan pengetaman kayu	-5.0	1.1	-1.5	-0.5	-7.0	-10.4	-2.2	-1.6	3.7	4.7

2023												2024												Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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												
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	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	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	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	Sawmilling and planning of wood											

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2022				2023			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	7.9	5.8	10.2	10.7	7.4	3.7	5.9	6.1	5.9	5.4
16211	Pembuatan kepingan venier dan papan lapis	7.9	3.4	12.1	11.8	7.3	1.8	3.0	5.0	3.9	2.1
16212	Pembuatan papan partikel dan papan gentian	19.0	8.0	28.5	25.0	19.1	5.9	8.2	2.0	8.3	13.8
16221	Pertukangan kayu untuk jurubina	5.3	11.6	3.5	4.0	4.8	8.7	14.3	14.8	12.2	5.4
	Industri lain	2.5	3.6	0.8	5.6	1.8	1.8	1.9	1.5	2.1	8.8
170	Pembuatan kertas dan produk kertas	4.1	2.3	3.7	2.9	5.1	4.6	4.7	1.4	1.3	1.6
17010	Pembuatan pulpa, kertas dan kertas tebal	12.1	-20.6	16.4	17.1	14.2	2.1	-9.5	-26.6	-26.4	-19.8
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	3.9	9.5	-0.1	-0.1	7.7	8.2	12.9	9.7	9.0	6.7
17091	Pembuatan sampul surat dan kad surat	-8.9	-1.6	-6.2	-11.4	-10.2	-7.7	-1.7	-0.2	-5.1	0.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	8.3	6.0	13.0	6.0	6.3	7.9	10.9	4.2	1.9	6.5
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.4	-8.1	-11.7	-9.2	-15.6	-12.9	-13.5	-4.7	-3.5	-9.6
	Industri lain	14.3	11.7	14.1	11.5	15.1	16.6	8.0	10.6	14.3	13.9
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.2	6.3	1.3	1.9	6.9	6.8	4.8	7.3	7.8	5.2
18110	Percetakan	4.7	6.4	1.7	2.5	7.4	7.5	5.1	7.3	7.7	5.7
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	1.2	5.2	-0.6	-1.5	4.1	3.2	2.8	7.8	8.1	2.5
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.6	5.9	1.9	1.9	2.1	0.7	7.7	7.1	2.6	6.1
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.7	0.5	4.7	5.4	2.6	6.1	8.0	1.8	-4.3	-3.4
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	31.2	21.3	32.9	31.4	34.3	26.3	23.0	12.5	20.1	29.4
20112 & 20113	Pembuatan kimia organik asas	7.0	-2.5	7.8	7.7	4.0	8.6	9.0	1.2	-10.7	-9.0
20121 & 20129	Pembuatan sebatian bukan organik	-9.5	-7.6	-10.5	-12.1	-13.3	-1.2	-6.8	-1.8	-7.7	-14.1
20131	Pembuatan produk campuran nitrogen	-2.3	3.5	-2.3	0.7	-4.4	-3.3	6.4	2.1	3.3	2.4
	Pembuatan plastik dalam bentuk primer	15.0	-9.0	9.9	12.0	19.1	19.1	9.0	-10.0	-18.0	-15.8
	Industri lain										
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	0.4	3.2	-1.9	-1.0	4.5	0.5	0.3	3.5	5.9	3.3
20210	Pembuatan racun perosak dan produk agrokimia lain	7.7	17.4	6.3	9.2	2.8	12.8	6.8	22.6	20.1	20.6
20221	Pembuatan cat, varnis dan penyadur dan mastik	6.2	16.1	8.1	4.3	4.6	7.6	7.7	18.8	24.7	14.9
20222	Pembuatan dakwat cetak	-15.5	-10.3	-20.7	-15.9	-11.8	-12.3	-13.1	-8.3	-7.2	-12.5
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	-6.4	6.2	-9.9	-10.6	-3.0	-1.4	2.9	10.7	10.7	1.5
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	8.1	9.1	18.3	0.2	-4.0	-11.3	-5.1	0.7
20292 & 20299	Pembuatan dakwat menulis dan melukis										
20299	Pembuatan produk kimia lain t.t.t.l.	6.2	-12.7	3.2	7.2	10.4	4.2	2.6	-4.7	-18.7	-30.3
	Industri lain										
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.0	1.9	8.8	8.6	10.3	11.8	4.6	0.7	0.9	1.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.6	-0.9	7.5	7.7	11.0	11.9	3.9	-1.2	-2.8	-2.9
	Industri lain	11.3	13.1	14.3	12.4	8.0	11.4	7.1	7.9	14.7	21.9
221	Pembuatan produk getah	0.0	-1.4	2.1	0.2	-2.1	0.0	0.5	-5.7	-1.2	1.1
22111	Pembuatan tayar getah untuk kenderaan	8.0	25.7	1.7	3.4	12.3	14.1	41.6	23.4	20.8	20.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	16.1	27.3	8.0	14.7	22.3	19.3	25.3	23.6	29.3	30.6
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	8.0	4.4	3.3	6.3	10.8	11.6	6.3	3.4	0.4	7.7
22192	Pengilangan semula getah dan prosesan susu getah	-3.5	-8.6	8.9	-2.1	-10.7	-6.4	-8.2	-14.8	-7.0	-3.9
22199	Pembuatan sarung tangan getah	-2.7	-4.0	-13.9	-1.5	7.0	-0.1	-3.1	-5.4	-1.2	-6.4
	Pembuatan produk getah lain yang t.t.t.l.										
222	Pembuatan produk plastik	4.8	2.7	-0.3	2.2	9.1	8.6	8.0	2.3	-0.3	1.1
22201 & 22202	Pembuatan produk plastik separa siap	3.3	0.9	-3.1	-0.3	6.5	10.4	14.0	1.7	-3.8	-6.7
22203	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan barangan	16.0	19.5	7.8	10.7	19.4	26.2	36.8	27.4	15.6	1.9
22204	Pembuatan barangan plastik jurubina	5.4	17.5	-3.6	-0.3	15.2	12.4	16.9	25.8	15.9	11.4
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.9	-2.3	4.6	5.4	8.5	1.3	-1.7	-1.9	-4.1	-1.5
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.5	-6.8	-2.9	-1.2	5.2	-2.8	-13.7	-14.6	-7.6	9.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.1	3.6	20.5	15.8	23.3	17.0	9.5	6.4	3.1	-3.8

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	Printing	
													Service activities related to 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of interchangeable tyre treads and retreading rubber tyres	
													Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened	
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	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	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	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	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	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	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	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	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	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	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			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.5	2.2	0.9	3.1	6.2	3.8	0.1	0.1	2.7	5.8
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-14.7	2.9	-21.8	-16.9	-14.3	-4.7	1.1	2.9	3.3	4.2
23930	Pembuatan produk porselin dan seramik lain	7.4	-14.1	5.0	11.4	10.9	2.6	-15.2	-18.1	-12.5	-10.3
23941	Pembuatan simen hidrolik	-3.3	5.6	-3.7	-8.8	-0.1	-0.1	5.1	7.1	6.9	3.2
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	7.5	-3.8	6.6	8.1	10.9	4.7	-3.4	-6.7	-5.2	-0.01
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	2.1	5.1	-0.8	2.0	4.8	2.5	0.9	3.3	6.5	9.7
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.4	9.8	10.0	14.9	13.9	7.4	6.1	6.5	11.2	15.0
	Industri lain	12.0	-1.9	9.8	9.5	16.0	12.9	-1.0	-4.7	-2.9	0.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	7.2	1.2	7.0	11.5	8.2	2.5	1.5	0.7	1.9	0.5
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.9	5.1	2.6	-4.9	-1.8	-3.4	7.9	7.9	3.1	1.6
243	Pengacuan logam	0.4	-4.3	-0.2	-0.2	2.3	-0.5	-3.7	-2.0	-6.8	-4.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	4.8	-2.8	1.7	2.1	1.9	4.1	6.0	6.2	2.9
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-4.4	5.9	-10.7	-5.0	-2.0	0.8	5.7	9.2	9.3	-0.3
25120	Pembuatan produk struktur logam lain	9.3	3.5	14.6	15.1	7.3	1.7	1.3	2.5	2.4	7.8
	Industri lain	-1.0	4.0	-10.1	-4.3	4.8	7.5	6.0	3.5	5.2	1.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.7	5.8	4.5	5.7	4.8	0.0	4.1	4.4	6.2	8.4
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.8	-1.4	-0.02	-0.4	-2.6	-4.3	-5.0	-5.3	0.8	4.2
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.3	-4.8	0.8	2.6	3.8	-1.6	-2.9	-4.7	-5.0	-6.6
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	13.4	16.8	5.9	14.7	18.9	14.5	19.8	16.7	16.5	14.7
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	14.2	10.2	21.6	22.3	14.6	1.3	5.1	12.6	10.4	13.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	14.2	10.2	21.6	22.3	14.6	1.3	5.1	12.6	10.4	13.0
25994	Pembuatan barangan rumah daripada logam	-7.2	0.3	-18.0	-10.7	2.8	-0.4	1.2	-5.3	-1.0	6.6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.0	5.7	2.8	5.6	7.1	4.6	10.3	2.3	3.2	6.9
	Industri lain	-29.1	13.4	-19.6	-29.6	-35.4	-32.8	-10.2	11.7	27.2	32.5
261	Pembuatan komponen dan papan elektronik	3.5	0.4	4.6	2.7	4.3	2.3	1.5	3.2	-1.2	-1.7
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.8	0.6	4.5	1.5	1.4	-0.1	1.2	1.1	0.9	-0.8
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	1.8	0.6	4.5	1.5	1.4	-0.1	1.2	1.1	0.9	-0.8
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik	7.2	0.3	5.9	5.3	10.7	7.2	2.3	7.9	-5.2	-3.6
26104 & 26105	Pembuatan papan litar bercetak	7.2	0.3	5.9	5.3	10.7	7.2	2.3	7.9	-5.2	-3.6
26105	Pembuatan komponen paparan	2.4	-0.9	-3.0	4.1	5.5	3.6	-0.7	0.9	-4.3	0.3
26109	Pembuatan komponen lain untuk aplikasi elektronik	2.4	-0.9	-3.0	4.1	5.5	3.6	-0.7	0.9	-4.3	0.3
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.7	3.1	3.0	10.1	5.5	4.6	0.9	0.9	4.7	5.9
263/ 26300	Pembuatan peralatan komunikasi	18.5	-0.7	27.4	14.5	17.3	16.0	8.7	0.8	-4.8	-7.1
264/ 26400	Pembuatan peralatan elektronik pengguna	17.7	-0.2	17.2	20.3	24.7	9.5	-0.1	-4.9	-1.2	5.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	44.8	21.3	27.4	45.4	53.7	51.6	20.8	29.5	23.7	12.9
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	48.2	22.4	28.4	49.5	57.7	56.0	22.2	31.3	24.6	13.5
26520	Pembuatan kelengkapan kawalan proses perindustrian	11.3	6.8	17.4	7.0	14.2	7.1	6.6	6.1	11.3	3.1
26520	Pembuatan jam tangan dan jam dan bahagiannya	11.3	6.8	17.4	7.0	14.2	7.1	6.6	6.1	11.3	3.1
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.5	-1.2	10.0	-0.3	-0.6	9.9	7.2	4.3	-8.0	-7.8

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.		
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	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	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	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	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	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	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	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	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	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	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	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	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition	
													Manufacture of metal doors, windows and their frames, shutters and gates	
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	Manufacture of other structural metal products	
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	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	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	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	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	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	Manufacture of tins and cans for food products, collapsible tubes and boxes	
													Manufacture of metal cable, plaited bands and similar articles	
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	Manufacture of bolts, screws, nuts and similar threaded products	
-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	Manufacture of metal household articles	
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	Manufacture of any other fabricated metal products n.e.c.	
-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	Other industry	
-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	Manufacture of electronic components and boards	
-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	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	Manufacture of printed circuit boards	
-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	Manufacture of display components	
													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	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	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	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	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
													Manufacture of measuring, testing, navigating and control equipment	
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	Manufacture of industrial process 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	Manufacture of watches and clocks and parts	
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	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			
		2022	2023	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	26.6	-0.1	16.3	36.3	34.0	21.2	3.1	-6.8	-1.8	5.5
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.0	-0.4	-3.0	-1.7	-2.5	-8.3	-1.7	3.9	-1.2	-2.3
27101	Pembuatan motor elektrik, penjana dan transformer	5.2	3.2	12.5	8.2	3.1	-1.4	2.5	0.6	2.0	7.8
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-8.9	-2.7	-9.6	-7.5	-5.8	-12.0	-3.9	6.1	-3.3	-8.5
272/ 27200	Pembuatan bateri dan akumulator	10.0	14.2	21.1	8.4	1.3	11.0	14.8	15.6	16.0	10.8
273	Pembuatan pendawaian dan peranti pendawaian	13.0	-5.6	12.1	14.5	17.3	8.4	2.0	-1.6	-6.3	-15.9
27310	Pembuatan kabel gentian optikal	24.2	10.4	55.3	39.6	29.3	-2.0	11.8	26.8	9.4	-2.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	12.6	-6.4	9.6	13.2	17.4	10.4	2.5	-2.9	-7.2	-17.3
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1.9	-20.1	18.6	6.8	-3.5	-12.2	-26.6	-21.1	-18.6	-13.0
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12.5	0.6	33.6	6.3	6.0	8.3	-1.3	-2.3	2.2	3.1
275/ 27500	Pembuatan perkakasan domestik	-24.1	-9.3	-31.7	-20.4	-18.0	-23.7	-24.1	-17.3	1.1	9.7
279/ 27900	Pembuatan kelengkapan elektrik lain	31.8	12.4	26.9	26.0	35.4	37.8	30.3	14.1	7.6	1.4
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.1	0.6	1.2	3.0	4.9	3.3	2.3	0.9	0.2	-0.9
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.1	3.7	-4.3	1.9	6.6	4.4	1.5	6.7	4.8	2.1
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.1	-2.2	-2.8	3.1	3.8	-3.1	-3.2	-0.1	-2.0	-3.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.8	-14.3	3.5	2.8	7.9	17.0	2.6	-12.2	-22.2	-23.9
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-5.3	-2.3	2.6	-6.1	-8.8	-9.2	-4.5	4.5	0.4	-9.0
	Industri lain	5.5	8.1	2.9	6.0	8.1	5.4	7.0	4.3	9.5	11.6
291 (29101 & 29102)	Pembuatan kenderaan bermotor	9.0	-3.7	11.0	11.2	11.7	2.7	-5.4	-5.8	-0.9	-2.7
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	21.7	16.6	16.5	22.1	25.4	22.3	25.5	6.5	15.0	20.0
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.0	4.2	-6.0	-2.6	2.3	-1.1	0.4	7.0	5.3	4.0
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.6	11.0	-7.1	-2.2	2.5	1.6	2.8	7.4	13.4	21.3
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	6.3	-0.3	3.5	6.8	10.4	4.7	2.3	-0.2	-2.4	-0.7
30910	Pembuatan motosikal	10.7	0.04	11.7	13.8	15.3	2.4	-0.4	-2.9	-1.4	5.3
30920	Pembuatan basikal dan <i>invalid carriages</i>	-8.4	-12.5	-18.6	-13.4	-4.7	6.1	3.4	0.2	-21.2	-31.0
	Industri lain	5.4	6.2	0.3	3.6	8.6	9.7	8.8	7.0	6.0	3.1
310	Pembuatan perabot	5.4	5.1	6.6	8.7	6.1	0.6	3.8	4.2	6.1	6.4
31001	Pembuatan perabot kayu dan rotan	9.3	8.2	11.0	13.0	10.3	3.7	6.9	8.9	8.8	8.3
	Industri lain	-7.4	-6.8	-7.0	-4.6	-7.8	-10.1	-7.8	-12.8	-4.5	-1.4
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	4.4	-1.7	2.3	4.1	8.3	3.4	-0.9	-3.3	-0.8	-1.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.5	0.7	1.2	1.6	3.8	-0.4	-3.4	-0.3	0.5	6.0
32901	Pembuatan alat tulis	1.5	-3.6	4.5	4.8	2.7	-5.7	-6.7	-8.4	0.8	0.3
	Industri lain	1.5	1.8	0.3	0.7	4.1	1.0	-2.6	2.0	0.5	7.5
323/ 32300	Pembuatan barangan sukan	1.3	-4.6	-1.6	1.6	1.6	3.6	5.2	1.9	-8.9	-16.2
324/ 32400	Pembuatan permainan dan mainan	28.2	11.5	59.6	49.3	20.9	4.6	17.4	21.7	5.0	4.3
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.7	6.7	3.7	7.1	4.6	3.6	7.5	7.4	8.5	3.6
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2.9	13.3	-3.1	3.9	-1.8	12.8	16.1	12.2	9.7	14.8
	Industri lain	5.2	4.9	5.6	7.9	6.3	1.3	5.2	6.2	8.2	0.4
Jumlah Pembuatan		5.2	3.5	4.1	5.2	6.7	5.0	4.3	3.6	3.0	2.9

(%)

2023												2024		Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.		
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		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		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		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		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		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		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		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		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		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		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		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		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		Manufacture of general-purpose and special-purpose machinery
-1.2	2.8	3.0	4.3	7.3	8.5	5.3	5.1	3.9	2.3	0.5	3.2	-29.6		Manufacture of fluid power equipment
														Manufacture of other pumps, compressors, taps and valves
														Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-2.6	-11.9	6.0	-1.1	-0.7	1.4	-0.4	-2.3	-3.2	-7.8	-2.0	-0.05	-0.9		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	-4.3	-1.4	0.9	13.8	3.6	2.5	0.7	4.3	-1.9	-8.0
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-0.8	-0.9	1.3	4.3	1.3	-0.3	2.4	0.2	1.8	-1.1
	10201 Pengetinan ikan, krustasea dan moluska &	-1.3	-0.9	-0.1	6.9	2.4	-0.5	1.7	-1.3	1.6	-1.1
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	1.5	-0.8	6.8	-5.4	-3.2	0.6	5.3	6.6	2.5	-1.4
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.0	2.7	1.1	1.3	12.7	7.3	-4.7	-2.4	8.4	3.6
	10303 Pengetinan nanas &	2.6	7.4	10.7	1.9	29.1	6.2	-7.4	-4.7	12.4	12.8
	10304 Pembuatan jem, marmalad dan sajian jeli Industri lain	10.4	2.5	0.5	1.2	11.7	7.4	-4.5	-2.2	8.1	2.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	0.6	0.8	1.2	5.2	1.1	0.2	1.2	4.9	-5.5	-1.4
	10404 Pembuatan minyak sayuran mentah dan bertapis &	2.8	4.4	2.5	-2.7	1.3	0.8	-5.5	2.3	1.9	-1.5
	10406 Pembuatan sebatian lemak masakan	12.5	4.0	-6.8	-3.3	19.0	3.6	12.4	-1.7	19.0	-1.4
	10405 Pembuatan minyak kelapa Industri lain	0.1	0.4	1.4	6.2	0.5	0.03	1.3	5.4	-6.8	-1.3
105	Pembuatan produk tenusu	9.2	2.8	-4.4	-2.6	6.4	3.3	-3.2	7.1	3.0	5.7
	10502 Pembuatan susu pekat, tepung dan sejat Industri lain	9.8	2.7	-3.3	-3.6	6.8	3.2	-4.2	7.6	2.6	7.9
		5.1	3.7	-13.0	5.4	3.4	3.6	4.9	3.5	6.2	-9.8
106	Pembuatan produk bijian, kanji dan produk berkanji	1.8	-1.0	0.1	-1.1	4.8	2.3	-2.4	-1.3	1.9	-0.3
	10611 Pengilangan beras	0.9	-2.2	0.7	-0.6	8.2	-2.6	-0.6	-4.5	4.1	4.4
	10613 Pengilangan tepung Industri lain	2.1	0.9	-0.4	-2.8	1.6	8.8	-4.1	1.8	-1.3	-3.0
		6.8	-4.4	-0.6	6.1	0.9	-3.1	-4.4	2.3	8.5	-14.7
107	Pembuatan produk makanan lain	2.6	1.7	1.5	4.3	0.5	-1.1	4.6	5.1	-0.9	-2.8
	10711 Pembuatan biskut dan cookies	2.0	3.7	2.6	2.0	3.7	2.1	8.1	2.0	4.4	-1.9
	10712 Pembuatan roti, kek dan produk bakeri lain	-8.1	4.5	4.1	3.7	-3.3	2.0	4.0	2.4	-0.2	-3.5
	10713 Pembuatan produk snek	6.2	5.2	2.3	2.4	2.0	-3.6	5.3	6.5	-2.7	1.2
	10721 Pembuatan gula	12.4	-6.1	-4.0	-8.6	-5.3	-0.5	3.5	8.3	16.9	1.5
	10731 Pembuatan produk koko	11.6	-2.6	-5.2	3.9	-0.7	6.3	2.4	0.9	-3.2	4.8
	10732 Pembuatan coklat dan produk coklat &	12.1	-0.2	0.3	4.9	-2.5	-9.4	9.1	11.5	-10.0	-1.6
	10733 Pembuatan konfeksi gula	-8.1	-0.7	-1.1	5.8	5.0	2.1	4.7	11.1	-8.3	-2.5
	10793 Pembuatan sos dan bahan perasa	13.2	1.7	4.0	9.8	2.4	-1.0	7.0	6.2	7.8	-9.8
	10799 Pembuatan produk makanan lain t.t.t.l. Industri lain	6.9	0.7	0.02	4.0	1.6	-2.8	1.6	3.5	-1.3	-1.3
108/ 10800	Pembuatan makanan haiwan tersedia	-3.5	-0.7	0.5	6.2	1.2	-1.5	2.1	6.6	-13.8	7.9
110	Pembuatan minuman ringan	-2.4	-3.2	0.1	11.9	-1.4	-1.9	0.2	10.5	-6.8	-2.6
	11041 Pembuatan minuman ringan	-4.1	-1.2	1.0	15.5	-2.9	-0.6	-2.4	11.6	-9.6	-2.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	4.6	-7.1	-2.7	2.7	1.9	-3.8	4.6	5.8	1.5	-3.3
		-9.7	-8.9	1.1	6.4	5.4	-10.2	17.1	15.7	-1.2	2.7
120/ 12000	Pembuatan produk tembakau	0.3	-14.9	0.5	21.1	0.9	-11.6	-2.6	17.1	-17.0	7.0
131	Pemintalan, penenunan dan penyiapan tekstil	0.9	-1.2	1.8	4.2	-8.7	1.1	3.7	1.3	-7.1	-6.6
	13110 Penyediaan dan pemintalan gentian tekstil &	2.6	-2.2	2.4	5.1	-9.7	4.3	5.6	0.5	-5.6	-10.5
	13120 Penenunan tekstil	-2.8	0.9	1.1	2.2	-7.5	-5.6	-1.4	4.4	-10.6	1.0
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4.0	-1.2	-6.6	2.1	5.1	-4.0	7.6	-7.8	-0.8	12.8
139	Pembuatan tekstil lain	-6.4	-1.1	2.7	3.4	7.0	3.0	-0.9	1.5	6.7	-1.8
	13910 Pembuatan fabrik dikait dan dikrusye Industri lain	-15.1	-7.0	0.6	7.4	-5.9	8.7	-3.2	3.3	-6.5	0.1
		-1.6	1.7	3.5	1.7	12.6	0.9	0.0	0.8	12.5	-2.5
141	Pembuatan pakaian, kecuali pakaian berbulu	1.0	-5.9	0.6	11.7	0.3	-3.7	-2.0	9.4	-4.5	-7.2
	14102 Pembuatan pakaian Industri lain	-3.1	-6.3	1.5	14.2	-0.9	-5.0	-2.2	12.3	-6.9	-9.0
		10.6	-5.1	-1.2	6.5	2.8	-1.0	-1.8	3.4	1.1	-3.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	7.0	2.9	-6.6	-3.1	1.4	1.0	2.2	0.8	4.0	-10.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-3.3	-3.8	2.0	7.5	-1.0	-0.04	-1.2	5.5	-2.0	-2.4
152	Pembuatan kasut	3.3	-3.4	-2.6	6.5	5.8	-3.4	-1.8	6.7	3.3	1.0
	15201 Pembuatan kasut kulit &	2.2	-2.8	-2.0	6.7	4.1	-3.9	-4.5	3.4	0.8	0.5
	15203 Pembuatan kasut getah Industri lain	6.4	-4.9	-4.1	5.9	10.4	-2.0	4.6	14.0	10.4	2.1
161/ 16100	Pengilangan dan pengetaman kayu	-4.1	-5.3	-2.3	0.9	4.7	-4.7	3.0	1.9	2.9	2.5

2024											Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	
-1.2	4.4	2.6	0.5	-3.4	2.3	4.4	0.6	-0.01	0.1	-3.3	Processing and preserving of meat
-0.2	-2.0	3.3	0.1	1.2	-0.5	1.3	-0.5	-1.0	2.1	-1.5	Processing and preserving of fish, crustaceans and molluscs
0.1	-2.5	3.7	-0.4	1.6	-1.7	1.0	-1.0	-1.9	2.5	-2.4	Canning of fish, crustaceans and molluscs
-1.6	0.4	1.3	2.4	-0.8	4.6	2.7	1.3	2.5	0.7	2.1	Processing, curing and preserving of fish, crustacean and molluscs
1.9	4.1	1.0	0.03	-2.1	-4.9	0.9	-0.5	-0.6	-1.4	4.6	Processing and preserving of fruits and vegetable
4.7	-1.4	2.5	-3.1	-3.4	-2.7	-3.4	-3.5	2.1	1.7	1.9	Pineapple canning
1.7	4.5	0.9	0.3	-2.0	-5.0	1.2	-0.2	-0.8	-1.7	4.8	Manufacture of jams, marmalades and table jellies
-1.2	1.5	0.2	-0.7	2.5	-3.4	4.1	1.1	-2.4	11.6	-5.9	Manufacture of vegetable and animal oils and fats
0.1	1.3	-1.0	1.8	-9.4	3.7	2.5	0.6	-2.1	0.8	1.3	Manufacture of crude and refined vegetable oil
-0.2	3.7	0.6	0.4	10.3	1.3	1.4	-1.5	-1.6	-1.2	0.2	Manufacture of compound cooking fats
-1.3	1.5	0.3	-0.9	3.2	-4.1	4.3	1.3	-2.4	12.9	-6.6	Manufacture of coconut oil
-3.0	3.3	-0.8	2.1	-8.7	5.7	3.0	-2.8	2.2	13.6	2.1	Manufacture of dairy products
-4.4	4.1	-1.5	2.3	-9.7	6.0	3.0	-3.3	2.1	16.7	2.6	Manufacture of condensed, powdered and evaporated milk
9.2	-2.4	5.2	0.6	-0.2	3.0	2.8	1.1	3.2	-7.3	-2.5	Other industry
-0.3	3.3	-3.3	4.7	-2.9	-1.9	-0.3	-1.1	-1.9	6.0	1.2	Manufacture of grain mill products, starches and starch products
0.1	-2.6	-1.6	-1.3	2.9	-3.0	0.2	-1.2	-4.0	0.7	4.5	Rice milling
-0.6	9.9	-5.0	11.9	-8.9	-0.5	-0.6	-1.4	0.3	11.0	-1.4	Flour milling
-2.1	6.5	-3.7	0.2	-0.3	-3.9	-1.3	2.3	-1.5	9.8	-3.1	Other industry
0.01	-1.2	1.6	-0.1	1.6	2.0	3.3	0.2	0.5	4.9	-3.9	Manufacture of other food products
-0.6	1.1	3.2	-0.1	6.0	0.5	1.9	-0.9	1.7	1.3	-4.5	Manufacture of biscuits and cookies
-2.6	3.9	2.7	-2.0	3.8	-0.2	2.6	-0.9	1.8	1.3	-4.1	Manufacture of bread, cakes and other bakery products
0.6	-4.1	-2.2	3.6	0.2	3.5	3.1	1.2	-0.2	6.4	0.2	Manufacture of snack products
-9.2	1.1	8.7	-3.3	-1.2	4.3	4.1	3.2	-3.7	10.1	-9.8	Manufacture of sugar
-2.6	14.8	-10.1	-1.8	7.7	-0.5	0.6	-0.4	0.3	2.4	-1.3	Manufacture of cocoa products
0.7	-9.5	0.4	-0.3	3.3	5.7	5.2	3.1	1.8	4.4	-6.8	Manufacture of chocolate and chocolate products
19.3	-6.7	-4.0	3.5	-2.8	7.8	4.4	0.1	0.1	15.7	-7.0	Manufacture of sugar confectionery
-0.6	-1.5	6.4	0.9	1.0	2.0	5.6	0.0	-0.04	5.6	-2.4	Manufacture of sauces and condiments
-2.9	-1.5	1.9	-0.4	-0.3	1.1	2.4	0.3	-0.6	4.8	-2.8	Manufacture of other food products n.e.c.
-4.7	-2.9	4.2	-1.8	2.7	-1.7	1.2	1.4	3.1	8.0	-6.3	Manufacture of prepared animal feeds
-0.2	1.6	-3.3	-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	Manufacture of beverages
-0.4	2.5	-2.1	-0.9	-1.4	-3.1	7.3	0.2	7.6	6.6	-8.1	Manufacture of soft drinks
4.4	-0.5	-7.4	-0.3	0.6	7.0	6.1	0.8	-2.1	0.7	3.1	Production of natural mineral waters and other bottled waters
-12.6	-1.2	-1.7	-0.6	2.5	17.4	9.5	-0.3	-0.02	12.4	0.7	Other industry
-3.6	-10.5	-1.3	-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	Manufacture of tobacco products
1.7	0.1	3.9	-1.2	1.4	2.2	0.7	-1.4	1.2	2.2	-2.1	Spinning, weaving and finishing of textiles
5.0	1.6	5.6	-1.4	4.3	0.6	-0.05	-1.8	1.9	2.6	-1.5	Preparation and spinning of textile fibres
-4.8	-2.1	-0.5	-1.2	-5.8	7.0	2.7	-0.2	-0.04	1.7	-4.0	Weaving of textiles
-0.8	-13.0	6.4	6.8	2.5	-1.5	-1.6	-2.2	-4.2	-4.4	0.6	Dyeing, bleaching, printing and finishing of yarns and fabrics
2.0	1.4	1.8	-1.3	-1.0	0.02	1.2	0.8	-0.4	0.5	0.2	Manufacture of other textiles
-2.1	8.7	2.2	-0.3	-5.0	1.6	0.7	2.6	0.2	-1.4	-5.1	Manufacture of knitted and crocheted fabrics
3.6	-1.1	1.7	-1.7	0.5	-0.6	1.4	0.1	-0.7	1.2	2.2	Other industry
0.5	0.5	-0.9	-4.3	0.6	-1.2	4.1	-0.8	7.4	7.9	-3.4	Manufacture of wearing apparel, except fur
-0.2	1.1	-1.3	-5.9	2.7	-2.5	4.1	-0.7	10.1	11.7	-3.1	Manufacture of clothings
1.9	-0.8	-0.1	-1.0	-3.5	1.6	4.2	-1.0	1.9	-0.5	-4.0	Other industry
2.8	2.7	0.8	-1.0	1.5	1.3	0.5	-1.3	2.3	-0.5	2.3	Manufacture of articles of fur, knitted and crocheted apparel
1.0	0.6	0.2	-1.8	-1.3	-0.4	4.8	1.9	-2.4	6.6	-6.7	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-1.5	-2.6	0.9	-1.9	-4.6	3.0	5.6	0.8	1.7	-0.02	2.1	Manufacture of footwear
-2.1	-2.6	0.5	-1.5	-6.0	1.1	5.3	0.5	-1.1	-0.4	0.3	Manufacture of leather footwear
-0.1	-2.8	1.8	-2.8	-1.1	7.3	6.5	1.5	7.6	0.7	5.8	Manufacture of rubber footwear
-3.2	-1.8	-1.9	-1.0	5.0	-1.7	1.5	2.0	-0.8	-0.03	0.1	Other industry
											Sawmilling and planning of wood

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	0.4	-1.8	2.2	2.9	2.5	-1.6	2.1	2.4	0.3	0.4
16211	Pembuatan kepingan venier dan papan lapis	-4.8	-3.5	6.8	3.8	-3.7	-1.5	5.6	2.0	-6.2	2.3
16212	Pembuatan papan partikel dan papan gentian	8.4	0.3	-2.6	-0.01	10.8	-5.4	3.3	5.1	9.5	-0.8
16221	Pertukangan kayu untuk jurubina	6.4	-0.2	-0.4	2.8	11.9	0.2	-2.6	-3.4	7.3	-1.3
	Industri lain	2.8	-0.5	-3.1	2.8	2.8	-0.9	-2.5	9.5	3.2	-1.3
170	Pembuatan kertas dan produk kertas	1.2	-1.5	0.7	4.1	1.3	-4.5	0.6	4.4	-3.4	3.0
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.0	1.5	1.6	0.03	-12.3	-17.7	2.0	9.0	-13.5	12.6
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-1.7	2.6	3.1	4.0	2.6	-0.4	2.5	1.8	1.8	-1.6
17091	Pembuatan sampul surat dan kad surat	-8.8	-2.2	2.3	1.2	-3.0	-0.7	-2.7	7.5	-4.1	-1.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	12.4	-4.9	-2.8	3.8	15.5	-10.6	-4.9	8.5	-2.3	15.4
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-6.1	-11.4	-2.2	7.0	-6.8	-2.4	-0.9	0.2	-5.5	-1.2
	Industri lain	9.9	-0.8	-0.3	7.3	1.8	1.6	3.0	6.8	-8.7	-3.0
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	5.3	-1.3	-3.2	6.1	3.4	1.1	-2.8	3.6	0.8	-5.3
18110	Percetakan	4.8	0.2	-3.6	6.2	2.5	2.2	-3.2	4.2	-0.6	-5.0
18120	Aktiviti perkhidmatan berkaitan percetakan										
&											
18200	Penerbitan semula media rakaman	8.4	-9.1	-0.7	5.5	8.0	-4.7	-0.5	0.1	8.7	-6.7
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.2	-15.4	8.5	8.3	8.2	-15.8	4.0	12.0	-4.7	-1.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.4	-1.5	2.6	0.6	6.3	-7.2	-3.5	1.5	1.0	-1.0
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	24.5	-0.1	5.0	-3.2	21.2	-8.7	12.0	4.3	6.4	20.6
20112 &	Pembuatan kimia organik asas										
20113	Pembuatan sebatian bukan organik	5.4	-2.4	5.8	-0.1	5.7	-9.5	-6.6	1.8	2.2	-3.1
20121 &	Pembuatan baja										
20129	Pembuatan produk campuran nitrogen	4.4	-7.3	-0.7	2.7	-1.5	-2.3	-6.7	-4.4	-4.9	-10.0
20131	Pembuatan plastik dalam bentuk primer	-3.8	1.5	-3.3	2.4	5.8	-2.7	-2.1	1.5	-1.9	-0.1
	Industri lain	11.3	3.7	2.3	0.9	1.9	-14.4	-6.8	3.5	5.8	-7.9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3.4	-7.3	0.4	4.5	3.1	-4.4	2.8	1.9	-7.8	2.5
20210	Pembuatan racun perosak dan produk agrokimia lain	18.1	-0.7	-8.0	4.5	11.8	14.0	-9.8	5.0	2.8	0.8
20221	Pembuatan cat, varnis dan penyadur dan mastik	14.0	-13.7	0.6	8.8	14.0	-4.8	5.6	0.2	-1.4	12.5
20222	Pembuatan dakwat cetak	-5.3	-7.3	-2.1	2.1	-6.2	-2.2	-1.0	-3.7	-7.7	-2.5
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap										
20232	Pembuatan pewangi dan penyediaan dandanan diri	5.5	-14.0	2.0	6.6	10.1	-7.4	2.0	-2.3	-10.1	11.8
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.	-4.0	-0.1	2.3	2.1	-8.0	-7.7	9.5	8.3	-11.4	-9.8
	Industri lain	5.6	6.1	-1.2	-5.9	4.0	-1.4	-15.8	-19.2	6.1	6.6
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-4.5	8.7	3.3	4.4	-10.7	4.6	3.5	5.4	-14.2	-5.5
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-6.1	8.9	2.3	7.0	-12.8	3.5	0.6	6.9	-17.0	-6.8
	Industri lain	1.8	8.0	6.9	-5.3	-2.1	8.8	13.7	0.7	-1.0	-0.2
221	Pembuatan produk getah	-6.4	13.3	2.5	-7.9	-6.0	6.3	7.4	-5.8	-5.6	2.1
22111	Pembuatan tayar getah untuk kenderaan	-7.0	19.8	7.0	-4.3	15.4	4.3	4.8	-4.9	22.3	-3.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	1.7	13.9	2.2	0.8	6.8	12.3	6.9	1.9	0.8	0.5
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan										
22193	Pengilangan semula getah dan prosesan susu getah	4.0	8.0	5.7	-6.0	-0.9	5.1	2.7	0.8	-6.2	1.0
22192	Pembuatan sarung tangan getah	-12.2	19.0	1.4	-11.7	-13.9	10.5	10.7	-8.7	-12.1	6.5
22199	Pembuatan produk getah lain yang t.t.t.l.	1.1	-0.4	0.3	-1.0	-1.9	-2.8	4.8	-6.3	-3.9	-3.2
222	Pembuatan produk plastik	-0.7	8.9	0.0	0.3	-1.2	3.2	-2.5	1.7	-2.9	-2.9
22201	Pembuatan produk plastik separa siap										
&											
22202	Pembuatan produk plastik siap	-4.3	10.7	-0.4	4.7	-1.2	-1.3	-5.7	1.5	-3.9	0.8
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1.1	17.1	0.2	6.5	9.6	9.0	-9.1	-6.1	4.5	-7.6
22204	Pembuatan barangan plastik jurubina	4.9	4.9	-2.6	4.8	9.2	13.0	-10.4	0.8	0.5	-1.2
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	2.3	2.3	1.5	-4.7	-0.7	2.1	-0.7	-2.0	-2.0	1.2
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1.1	3.9	0.0	-7.4	-10.3	2.8	8.2	9.8	-8.0	-4.4
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	1.8	2.2	4.5	7.6	-4.7	-0.7	1.2	0.5	-4.1	-7.8

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

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	0.1	2.0	-0.4	2.0	-3.4	2.0	2.1	5.2	-2.9	-4.4
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-12.9	5.3	1.6	2.3	-7.5	7.1	1.9	3.2	-12.3	-4.1
23930	Pembuatan produk porselin dan seramik lain	8.9	-1.6	-2.2	-2.0	-10.0	-5.0	4.6	0.3	8.4	-23.6
23941	Pembuatan simen hidrolik	-1.6	0.3	-2.5	3.7	3.6	2.3	-2.7	0.1	2.2	-7.0
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	2.8	2.2	1.0	-1.2	-5.2	-1.3	2.6	4.2	-3.9	-2.2
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	0.0	1.1	0.2	1.2	-1.6	3.5	3.3	4.3	3.1	-5.7
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.3	-0.3	-0.8	8.3	-1.0	0.1	3.6	12.0	-9.9	2.3
	Industri lain	5.1	8.4	-3.7	2.9	-7.8	4.4	-1.9	6.9	-9.7	-2.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	6.7	-4.7	-5.7	6.9	5.7	-5.5	-4.5	5.4	-0.3	-3.9
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.6	-7.9	0.1	6.5	9.9	-7.9	-4.4	5.0	3.5	2.9
243	Pengacuan logam	1.0	-5.6	1.4	3.0	-2.3	-3.9	-3.6	5.2	-0.4	-7.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-0.3	-2.7	0.2	4.9	1.9	-0.9	0.4	1.6	-0.1	-0.8
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-1.2	-4.2	-1.1	7.6	3.6	-1.0	-1.0	-1.9	-1.0	-0.4
25120	Pembuatan produk struktur logam lain	-0.3	-1.4	2.5	1.0	-0.7	-0.3	2.5	6.3	0.4	-0.5
	Industri lain	3.4	-0.3	-1.9	6.3	2.0	-2.7	-0.2	2.6	2.5	-3.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.5	-4.4	-0.6	4.8	4.6	-4.2	1.1	7.0	-0.4	1.3
25910	Tempaan, tekanan, hentakan dan bentuk geleskan logam; serbuk metalurgi	-1.4	-3.1	-3.1	3.4	-2.2	-3.4	3.1	6.8	-7.3	-2.2
25920	Rawatan dan penyalutan logam; menggunakan mesin	3.3	-1.8	-7.1	4.4	1.9	-3.6	-7.4	2.7	-5.1	2.2
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-5.6	-2.3	8.4	14.6	-1.3	-4.8	8.2	12.8	-3.2	-1.4
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1.5	-7.9	3.2	5.1	5.2	-1.4	1.2	7.6	-1.4	4.9
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-0.9	5.5	1.7	-6.3	0.7	-1.3	6.4	0.9	-0.5	-1.0
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	6.5	-1.4	-1.7	1.3	12.3	-8.5	-0.9	5.0	11.3	-2.2
	Industri lain	-13.3	-19.7	-8.9	6.0	15.9	-0.1	3.7	10.4	-5.7	22.0
261	Pembuatan komponen dan papan elektronik	4.1	-5.0	-3.4	7.1	3.2	-3.4	-7.5	6.6	-7.8	4.6
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.6	-2.7	-4.1	5.4	2.9	-2.7	-4.3	3.6	-7.7	3.0
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik										
26104 & 26105	Pembuatan papan litar bercetak	8.6	-10.0	-1.3	11.1	3.6	-5.0	-13.4	13.0	-8.6	8.1
26109	Pembuatan komponen paparan	9.9	-1.5	-6.6	2.5	5.3	0.1	-11.5	7.4	-1.4	0.1
26109	Pembuatan komponen lain untuk aplikasi elektronik										
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-1.6	-0.3	-0.9	7.5	-5.1	-0.3	2.9	8.6	-13.3	3.1
263/ 26300	Pembuatan peralatan komunikasi	6.4	1.1	-4.6	13.0	-0.2	-6.3	-9.9	10.3	-1.1	-3.1
264/ 26400	Pembuatan peralatan elektronik pengguna	5.4	-0.7	4.9	-0.2	-3.9	-5.5	8.9	6.3	-0.4	-7.3
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	10.9	11.9	8.8	12.2	-11.6	20.0	3.9	2.4	-22.3	4.0
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	11.7	13.6	9.1	12.8	-12.6	22.2	3.4	2.8	-23.7	4.7
26520	Pembuatan kelengkapan kawalan proses perindustrian	3.1	-6.2	5.6	4.8	2.7	-6.6	10.8	-2.9	-1.5	-4.6
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya										
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.9	4.2	-1.4	1.9	2.3	1.3	-13.0	2.2	-7.7	4.8

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

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022				2023				2023	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	18.3	8.0	-4.3	-0.8	0.6	-2.3	0.7	6.5	-9.7	-2.3
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-5.1	-12.0	8.4	1.2	1.8	-7.0	3.1	0.1	-1.7	-6.5
	27101 Pembuatan motor elektrik, penjana dan transformer	-7.6	4.4	4.7	-2.5	-3.9	2.5	6.1	3.1	4.8	-12.2
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	-3.7	-20.6	11.0	3.6	5.2	-12.3	1.2	-2.0	-5.3	-3.0
272/ 27200	Pembuatan bateri dan akumulator	1.2	-3.0	6.7	6.1	4.6	-2.4	7.0	1.4	-2.7	6.9
273	Pembuatan pendawaian dan peranti pendawaian	0.5	0.1	6.9	0.8	-5.4	-3.4	1.7	-9.5	-4.8	-0.7
	27310 Pembuatan kabel gentian optikal	-26.4	0.5	20.4	10.1	-16.0	13.9	3.9	-1.6	-22.4	1.2
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	3.1	0.4	6.1	0.5	-4.3	-4.9	1.4	-10.4	-3.5	-0.8
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	6.2	-8.3	0.9	-10.7	-11.2	-1.4	4.1	-4.6	10.0	-0.2
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1.0	-10.4	16.0	3.2	-8.0	-11.2	21.4	4.1	-6.3	-3.6
275/ 27500	Pembuatan perkakasan domestik	6.3	-4.3	-11.3	-15.5	5.8	4.2	8.5	-8.2	1.9	4.8
279/ 27900	Pembuatan kelengkapan elektrik lain	6.6	1.8	9.6	15.9	0.7	-10.9	3.3	9.3	-6.3	-3.9
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	1.0	-4.7	1.2	6.1	-0.1	-6.0	0.4	5.0	-4.4	-2.1
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-7.5	-0.7	4.5	8.9	-10.1	4.4	2.5	6.1	-20.3	-1.5
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-8.4	-3.6	3.8	5.8	-8.5	-0.5	1.8	4.4	-8.9	-4.3
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	4.4	-4.6	9.7	7.2	-8.4	-18.4	-2.7	4.7	-19.8	5.0
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	3.5 5.7	-13.5 -3.3	-8.6 -1.0	10.9 4.2	8.9 7.2	-5.2 -5.7	-12.3 3.9	0.5 6.3	-0.5 6.9	0.9 -4.6
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-0.6	1.7	-3.3	5.1	-8.5	1.3	1.8	3.2	-15.3	0.6
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	2.4	12.5	2.6	3.4	5.1	-4.5	10.8	7.9	4.6	-0.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.6	0.5	-4.0	5.3	-1.2	7.0	-5.4	4.0	-8.6	3.1
301 (30110 & 30120)	Pembinaan kapal dan bot	10.3	-5.6	-4.1	1.7	11.6	-1.3	1.3	8.7	2.6	1.7
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	5.5	1.7	-2.1	-0.3	3.1	-0.8	-4.4	1.5	1.5	2.1
	30910 Pembuatan motosikal	7.1	3.6	-3.6	-4.3	4.1	1.1	-2.2	2.2	3.3	3.7
	30920 Pembuatan basikal dan <i>invalid carriages</i>	0.2	-2.1	1.5	6.5	-2.3	-5.2	-20.2	-6.7	-6.4	0.7
	Industri lain	4.7	-1.1	-0.4	6.3	3.8	-2.7	-1.2	3.4	1.8	-0.6
310	Pembuatan perabot	2.2	-4.4	-1.0	4.0	5.5	-4.0	0.7	4.4	5.6	-3.3
	31001 Pembuatan perabot kayu dan rotan	3.2	-4.6	0.7	4.5	6.5	-2.8	0.6	4.1	7.0	-3.8
	Industri lain	-1.2	-3.8	-7.3	2.1	1.3	-9.0	1.5	5.4	-0.1	-0.9
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	1.4	-7.5	-1.0	11.4	-2.8	-9.8	1.6	10.3	-15.4	-5.0
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	0.9	-2.8	1.9	-0.4	-2.1	0.4	2.8	5.0	-2.8	-1.2
	32901 Pembuatan alat tulis	1.4	-1.1	-1.7	-4.3	0.4	-2.9	8.1	-4.8	-3.8	5.6
	Industri lain	0.8	-3.2	3.0	0.6	-2.8	1.3	1.4	7.6	-2.5	-2.9
323/ 32300	Pembuatan barangan sukan	-0.1	-4.2	-0.3	8.5	1.5	-7.2	-10.9	-0.1	-0.9	5.5
324/ 32400	Pembuatan permainan dan mainan	-12.6	0.3	16.2	2.6	-1.8	4.0	0.3	1.8	-12.4	-0.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1.0	-0.9	-5.8	9.8	4.8	-0.9	-4.8	4.8	0.3	0.9
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	3.1	-1.6	-7.3	20.0	6.2	-5.0	-9.3	25.6	-4.5	6.0
	Industri lain	0.5	-0.7	-5.4	7.3	4.4	0.2	-3.6	-0.5	1.7	-0.6
Jumlah Pembuatan		1.4	-0.8	0.2	4.1	0.8	-1.4	-0.4	4.0	-4.4	-0.2

2024											Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	
11.3	-8.1	-2.9	5.6	-4.5	2.1	3.8	0.4	0.8	6.5	-4.1	Manufacture of optical instruments, photographic equipment, magnetic and optical media
2.4	-9.3	4.8	0.3	2.5	-1.2	-1.1	-2.1	-2.4	15.2	-2.8	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-1.7	3.5	5.1	3.9	-2.4	5.0	2.7	0.4	-2.3	2.3	5.5	Manufacture of electric motors, generators and transformers
4.6	-16.0	4.6	-2.0	5.8	-5.0	-3.7	-4.0	-2.4	25.2	-8.1	Manufacture of electricity distribution and control apparatus
-3.1	-6.0	10.2	-8.5	8.0	1.6	2.2	-0.01	-0.4	-1.0	-6.5	Manufacture of batteries and accumulators
-5.1	-6.1	6.6	6.7	-4.8	1.7	-2.4	-4.1	-5.0	-3.8	0.9	Manufacture of wiring and wiring devices
-2.3	3.3	17.1	0.5	-1.6	-0.5	1.7	2.1	-12.0	12.2	-13.5	Manufacture of fibre optic cables
-5.4	-6.7	5.3	7.5	-5.1	1.8	-2.8	-4.8	-4.4	-5.5	2.2	Manufacture of other electronic and electric wires and cables
-2.5	-10.1	17.6	-0.3	-4.1	6.4	-2.4	-3.7	-1.2	-1.4	13.7	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
-15.5	-5.3	6.5	6.3	9.8	7.2	-2.1	-2.6	-3.4	25.3	-8.8	Manufacture of electric lighting equipment
-1.4	-20.1	44.6	-0.3	-1.8	1.7	-5.4	-5.2	-1.0	1.7	-3.4	Manufacture of domestic appliances
-5.4	-10.7	3.8	7.1	-5.0	2.1	3.9	4.4	-6.2	17.5	-0.8	Manufacture of other electrical equipment
-3.6	-2.1	-0.7	-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	Manufacture of general-purpose and special-purpose machinery
1.5	2.2	2.5	-0.1	0.1	2.6	-0.3	0.3	-5.1	27.0	-45.6	Manufacture of fluid power equipment
4.3	-3.7	2.3	1.2	-1.5	2.3	0.8	-0.9	2.5	6.8	-9.6	Manufacture of other pumps, compressors, taps and valves
-3.6	-16.8	-1.0	-1.6	-0.4	-1.9	1.0	0.8	1.2	9.3	5.8	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-10.2	2.4	-1.2	0.3	-1.3	-17.4	2.4	3.9	-1.7	9.3	5.9	Manufacture of metal-forming machinery and machine tools
-5.8	2.1	-2.4	-2.2	-0.4	9.6	1.0	1.2	-1.2	6.2	2.6	Manufacture of air-conditioning machines, including for motor vehicles
-7.9	5.2	2.0	0.9	-1.2	3.5	-1.6	0.1	-1.3	11.7	-12.0	Manufacture of other special-purpose machinery
-8.7	0.6	2.6	-1.6	1.7	11.1	4.9	-0.6	-0.3	5.8	-5.1	Other industry
1.6	3.8	1.7	-0.2	-4.7	-1.9	0.2	1.0	0.2	9.9	-9.9	Manufacture of motor vehicles
19.2	-14.9	4.6	-0.5	-2.0	2.0	2.4	0.9	7.6	0.9	2.8	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
0.9	-0.9	0.5	-4.6	0.01	-3.8	3.2	2.5	-3.8	2.4	-0.3	Manufacture of parts and accessories for motor vehicles
0.9	1.1	-0.4	-4.7	-1.8	2.1	5.0	2.5	-7.4	2.7	0.9	Building of ships and boats
2.1	-4.4	-1.7	-3.9	-1.2	-25.2	1.0	-2.9	9.3	0.01	-4.7	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
0.3	-3.7	3.9	-4.5	5.2	-6.4	-0.4	4.7	0.3	2.9	-1.2	Manufacture of motorcycles
-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.0	Manufacture of bicycles and invalid carriages
-0.7	-3.7	6.1	-3.9	-0.5	0.8	3.5	-0.4	0.2	5.4	-0.1	Other industry
-0.5	-0.4	-10.6	-3.3	6.4	0.4	3.5	2.0	1.0	0.6	0.2	Manufacture of furniture
2.9	-2.0	-7.9	-9.0	11.0	-0.8	2.9	1.1	9.4	3.2	-9.1	Manufacture of wooden and cane furniture
-3.2	-0.9	7.3	-2.4	-0.2	2.9	1.1	0.6	-0.3	8.5	-6.8	Other industry
-2.4	-6.0	5.5	-1.4	4.1	7.6	-5.7	-3.1	-2.1	3.7	-0.6	Manufacture of jewellery, bijouterie and related articles
-3.4	0.5	7.8	-2.7	-1.3	1.6	3.0	1.6	0.2	9.7	-8.2	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
0.2	-8.8	4.6	-9.0	6.3	-15.9	-5.3	15.1	-5.3	-2.3	5.2	Manufacture of stationery
6.6	-7.1	8.8	4.3	-9.0	6.1	0.8	-3.3	-7.3	24.8	-30.4	Other industry
-0.3	1.8	-2.4	-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	Manufacture of sports goods
-4.1	-1.2	-3.2	-2.6	-8.0	1.5	1.3	3.7	18.3	18.2	-19.3	Manufacture of games and toys
0.9	2.6	-2.1	-4.0	0.3	-0.8	-0.1	-0.3	-0.1	0.7	3.5	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	Repair and maintenance of transport equipment except motorcycles and bicycles
											Other industry
0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	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	2021	2022	2023	2023		
					Jan.	Feb.	Mac
Ikan tin Canned fish	Tan Tonne	6,224	5,751	5,748	488	500	572
Ikan segar sejuk beku Frozen fish	Tan Tonne	15,032	15,551	19,660	1,226	1,337	1,392
Bebola ikan Fish ball	Tan Tonne	6,716	7,609	7,794	535	439	546
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	6,047	6,613	7,063	512	532	606
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	16,140	15,676	17,266	1,454	1,501	1,605
Jem (semua jenis) Jams (all types)	Tan Tonne	8,082	10,381	11,851	845	1,051	1,125
Minyak kelapa mentah Coconut (copra) oil and its fraction crude	Tan Tonne	16,721	19,293	18,795	1,764	1,851	1,874
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	61,883	77,053	73,933	6,742	4,833	4,578
Lemak doh/shortening Dough fats/shortening	Tan Tonne	184,620	168,717	158,613	13,952	14,046	11,907
Marjerin Margerine	Tan Tonne	61,332	64,079	73,536	6,420	6,340	5,231
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	406,788	449,191	481,565	31,903	39,165	50,943
Susu pekat manis Sweetened condensed milk	Tan Tonne	405,676	431,843	469,591	34,290	32,032	33,185
Minuman susu Milk drinks	Liter ('000) Litres ('000)	83,078	90,600	120,976	7,392	7,815	7,351
Beras Whole rice	Tan Tonne	710,685	756,333	683,766	52,499	75,233	73,227
Beras hancur Broken rice	Tan Tonne	73,238	83,440	102,686	7,044	9,205	10,056
Tepung gandum Wheat flour	Tan Tonne	993,335	1,003,321	1,003,698	85,194	80,665	77,355
Roti dan kek Bread and cakes	Tan Tonne	479,951	483,325	599,866	46,706	57,507	50,801
Mee dan bihun Mee and bihun	Tan Tonne	249,484	271,986	260,710	25,519	27,765	24,975
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	80,711	81,282	93,755	8,963	8,892	7,094
Kelapa kering Desiccated coconuts	Tan Tonne	4,259	4,968	4,646	356	402	456
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	1,958,720	2,076,296	2,386,374	204,045	172,901	185,917
Hidangan ikan Fish meals	Tan Tonne	119,236	131,999	106,406	10,446	10,098	11,790
Biskut Biscuits	Tan Tonne	165,062	148,395	124,962	11,277	12,190	12,653
Gula bertapis Refined sugar	Tan Tonne	1,571,056	1,725,619	1,981,898	145,457	154,114	169,973
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	219,416	255,335	357,856	23,795	25,078	26,245

2024									
Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.
495	498	497	454	473	462	441	422	446	567
1,395	1,465	1,601	1,850	1,803	1,783	2,096	1,800	1,914	1,631
659	751	750	732	728	725	756	606	567	668
568	622	723	605	604	604	677	509	502	504
1,543	1,468	1,433	1,211	1,381	1,401	1,422	1,456	1,391	1,666
758	994	1,129	1,058	1,040	999	948	941	962	1,044
1,694	1,534	1,347	1,452	1,386	1,524	1,510	1,462	1,397	1,769
5,927	6,469	6,385	7,328	6,950	7,412	7,159	5,080	5,071	5,652
12,140	11,815	12,823	12,757	13,017	13,524	14,566	14,449	13,617	13,488
5,455	5,076	6,226	6,424	6,707	6,490	7,258	6,380	5,529	6,562
41,344	40,776	36,215	33,837	33,729	40,055	43,327	42,980	47,291	46,502
32,398	37,643	44,054	51,633	44,616	45,341	39,115	36,164	39,118	39,248
7,559	8,696	10,086	12,117	11,923	12,666	12,224	12,260	10,887	10,958
56,227	58,584	50,174	51,666	50,109	64,642	52,051	49,452	49,901	47,524
8,589	10,643	8,663	9,412	8,246	8,253	7,252	7,443	7,880	7,803
69,774	78,311	77,293	80,987	89,958	89,306	88,539	96,778	89,540	88,728
46,250	49,754	53,949	60,276	50,333	47,111	46,071	49,337	41,773	46,866
22,304	20,393	18,568	19,258	18,613	20,594	19,775	21,985	20,962	23,469
7,257	5,803	7,115	7,630	8,228	8,359	8,189	8,088	8,136	9,773
490	466	434	360	329	352	386	332	283	281
199,776	187,501	171,765	198,292	209,858	200,231	207,465	216,561	232,064	216,342
13,526	10,074	7,413	7,502	8,099	7,511	6,902	6,865	6,180	6,922
10,471	10,765	9,412	8,173	8,475	8,984	11,140	10,517	10,905	11,728
179,867	167,322	164,979	171,212	156,720	164,787	167,954	159,152	180,360	167,446
28,616	29,377	30,923	31,143	31,421	31,463	31,577	30,400	37,818	38,301

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	2021	2022	2023	2023		
					Jan.	Feb.	Mac
Minuman manis tidak berkarbonat Sweet beverages (non-carbonated)	Liter ('000) Litres ('000)	2,218,416	2,077,269	2,025,653	178,192	188,186	192,169
Air mineral dan minuman Mineral and drinking water	Liter ('000) Litres ('000)	612,345	643,820	709,585	37,284	52,130	44,817
Kain kapas Cotton cloth	Meter ('000) Metres ('000)	72,734	61,170	41,668	3,373	3,278	3,028
Seluar lelaki Pants, males	Bilangan ('000) Number ('000)	6,035	3,842	2,433	328	342	357
Kemeja lelaki Shirts, males	Bilangan ('000) Number ('000)	13,569	14,032	15,444	1,405	1,247	1,090
Blaus Blouses	Bilangan ('000) Number ('000)	4,709	4,341	3,297	295	310	311
Pakaian perempuan Dresses	Bilangan ('000) Number ('000)	3,150	2,353	2,270	171	182	204
Kasut getah (semua jenis) Rubber footwear (all types)	Pasang ('000) Pairs ('000)	2,045	2,062	1,835	164	169	175
Kiln kayu kering Kiln dried timber	Tan Tonne	127,086	151,050	138,378	11,006	11,062	12,827
Kayu gergaji Rubberwood (sawn)	Tan Tonne	139,692	165,191	122,365	10,639	12,211	9,268
Kepingan venir Veneer sheets	Meter Padu Cubic metre	394,056	338,186	284,746	23,817	27,994	32,305
Papan gentian berkepadatan sederhana Medium density fibreboard	Meter Padu Cubic metre	2,117,223	2,143,469	2,622,634	201,203	235,274	200,086
Papan lapis Plywood	Meter Padu Cubic metre	3,438,335	3,956,588	4,365,151	233,036	317,336	358,212
Ukiran kayu Timber moulding	Meter Padu Cubic metre	54,406	45,564	46,997	3,328	3,286	3,973
Kayu balak siap Dressed timber	Meter Padu Cubic metre	7,984	7,617	6,343	852	709	680
Rak dan beg kertas Sacks and bags of paper	Bilangan ('000) Number ('000)	355,061	372,939	331,989	33,310	32,482	30,427
Kertas tisu Tissue paper	Tan Tonne	96,290	95,013	85,245	6,917	6,858	7,042
Kertas napkin Napkin paper	Tan Tonne	5,355	3,831	2,111	171	199	260
Kertas tandas Toilet paper	Tan Tonne	75,508	67,708	46,047	4,000	4,495	4,895
Minyak tanah Kerosene	Tan Tonne	4,168,054	3,157,887	3,275,428	274,589	207,240	316,930
Gas petroleum cecair Liquefied petroleum gas	Tan Tonne	2,692,737	2,677,740	2,524,079	228,283	226,457	215,490
Minyak bahan api Fuel oil	Tan Tonne	2,118,830	1,990,382	1,935,352	183,132	110,218	144,543
Minyak diesel/gas Diesel/ gas oil	Tan Tonne	12,881,426	15,412,400	16,187,264	1,424,840	1,543,133	1,772,586
Gasolin (spirit motor) Gasoline (motor spirit)	Tan Tonne	6,433,373	6,466,006	4,639,314	335,806	396,975	426,631
Minyak pelincir campuran Blended lubricating oil	Tan Tonne	106,578	144,668	186,354	12,511	11,557	12,410
Nafta Naptha	Tan Tonne	3,901,388	3,258,599	2,974,988	271,062	248,478	218,498

2024									
Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.
192,361	172,234	146,375	150,214	154,858	155,300	161,386	164,059	170,320	175,017
47,685	60,080	60,220	67,817	69,401	81,544	69,223	64,516	54,870	45,346
3,418	3,430	3,275	2,949	3,245	3,323	3,719	4,604	4,025	4,101
360	283	125	101	101	124	132	102	79	100
1,181	1,305	1,367	1,425	1,294	1,180	1,369	1,349	1,230	1,442
338	311	305	292	255	241	215	215	208	290
229	196	203	202	204	187	177	167	148	155
208	142	133	124	114	135	179	159	133	120
12,994	10,548	11,362	14,403	12,517	13,063	10,158	10,016	8,422	7,802
10,352	9,678	9,024	9,828	9,252	10,871	14,158	9,486	7,598	9,522
32,578	28,378	24,596	20,735	21,600	20,446	21,385	17,294	13,618	16,941
184,479	118,195	119,393	175,173	273,432	249,702	270,590	297,108	297,999	242,756
315,158	393,850	397,296	380,932	386,102	364,623	400,666	417,093	400,847	414,852
4,575	4,493	3,220	3,087	3,923	3,954	4,696	4,575	3,887	3,118
784	623	389	310	319	362	399	379	537	808
27,986	26,999	25,885	24,416	26,382	26,263	25,534	26,713	25,592	26,400
7,570	7,328	7,444	7,421	7,380	6,659	5,981	7,484	7,160	6,954
258	264	229	193	155	119	91	86	87	95
4,494	4,308	4,055	4,302	3,236	2,800	2,804	3,508	3,150	3,094
305,623	314,510	388,860	192,840	225,382	282,831	250,123	258,425	258,076	253,995
232,599	258,426	236,276	188,737	209,913	206,687	192,568	199,499	129,144	136,970
132,926	150,716	193,969	153,195	209,673	195,261	161,661	145,775	154,283	153,465
811,203	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
404,507	527,974	394,997	378,221	444,439	446,331	390,039	250,727	242,667	215,923
12,168	14,624	14,518	14,212	18,958	18,900	18,920	19,402	18,174	16,928
273,287	283,120	380,488	205,252	222,786	215,250	199,641	295,999	161,127	172,666

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	2021	2022	2023	2023		
					Jan.	Feb.	Mac
Gas asli cecair Liquefied natural gas	Tan Tonne	29,011,740	31,283,443	31,279,579	2,751,277	2,594,258	3,044,181
Nitrogen dan oksigen Nitrogen and oxygen	Meter padu ('000) Cubic metre ('000)	564,435	610,924	526,966	47,260	48,817	54,618
Methanol (methyl alcohol) Methanol (methyl alcohol)	Tan Tonne	3,717,444	4,364,885	5,090,653	374,694	407,881	403,658
Baja (termasuk urea) Fertilizers (includes urea)	Tonne Tonne	5,839,960	7,584,494	5,906,343	655,340	452,398	398,842
Sebatian P.V.C P.V.C. compound	Tan Tonne	88,182	71,331	56,303	5,438	6,038	6,056
Racun serangga aerosol (cecair) Aerosol insecticides (liquid)	Liter Litres	7,057,722	6,083,228	5,163,308	418,120	411,624	384,343
Racun herba (cecair) Herbicides (liquid)	Liter ('000) Litres ('000)	68,379	97,264	91,732	8,996	8,614	8,911
Racun herba (bukan cecair) Herbicides (non-liquid)	Tonne Tonne	66,062	91,308	57,643	4,845	4,864	5,530
Cat emulsi Emulsion paints	Liter ('000) Litres ('000)	49,480	58,557	69,896	6,733	6,803	6,007
Cat lapis Under-coats	Liter ('000) Litres ('000)	17,890	17,875	13,019	1,518	1,598	1,430
Cat asas Primers	Liter ('000) Litres ('000)	19,302	18,342	21,342	1,508	1,799	1,424
Dakwat pencetak Printing ink	Tan Tonne	28,717	21,967	21,012	2,266	1,675	1,675
Pelembut fabrik Fabric softener	Liter ('000) Litres ('000)	33,368	31,289	29,439	2,594	2,605	2,569
Sabun mandi Toilet soap	Tan Tonne	16,915	15,469	14,935	1,380	1,413	1,388
Sabun serbuk (bahan pencuci) Soap powder (detergents)	Tan Tonne	102,043	97,339	77,816	6,291	6,243	6,683
Pelekat perindustrian Adhesive, industrial	Liter ('000) Litres ('000)	156,030	156,135	166,252	13,228	14,684	12,898
Tayar pneumatik (semua jenis) Pneumatic tyres (all types)	Bilangan ('000) Number ('000)	8,261	6,775	4,753	507	514	445
Tiub dalam (semua jenis) Inner tubes (all types)	Bilangan ('000) Number ('000)	1,426	1,124	788	93	90	64
Getah mutu malaysia (semua gred) S.M.R. (all grades)	Tan Tonne	817,560	686,810	668,508	57,754	59,442	48,306
Susu getah diproses Processed latex	Tan Tonne	41,081	45,852	50,917	3,275	3,769	3,729
Sarung tangan getah Rubber gloves	Pasang (Juta) Pairs (Million)	136,796	85,559	66,998	6,065	5,892	7,374
Kondom Condom	Gross ('000) Gross ('000)	18,085	18,730	21,118	1,547	1,454	1,465
Paip P.V.C. P.V.C. pipes	Tan Tonne	99,972	98,006	123,126	9,670	11,653	12,461
Bata tanah Earthen bricks	Bilangan ('000) Number ('000)	109,691	153,283	201,043	13,700	17,458	13,268
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	28,512	26,270	24,753	1,003	1,146	1,859

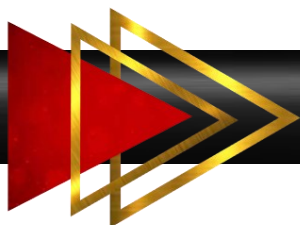
2024									
Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.
1,987,056	2,712,791	2,368,951	2,849,003	2,682,100	2,356,975	2,827,151	2,644,124	2,461,711	2,930,110
48,975	42,934	44,678	43,201	35,453	35,628	38,433	41,554	45,417	45,944
320,412	388,091	242,304	309,801	482,508	473,473	545,943	561,494	580,394	555,053
358,670	426,865	475,927	535,863	531,558	559,863	541,973	522,053	446,989	434,307
5,441	4,584	4,598	4,597	4,590	4,648	3,438	3,390	3,485	3,679
389,137	432,745	500,884	501,603	502,999	452,079	413,442	370,013	386,319	422,415
8,927	9,612	8,265	6,995	6,864	5,013	5,792	6,467	7,276	8,842
5,460	6,280	6,002	5,108	5,101	4,427	3,017	3,178	3,831	2,965
4,626	6,415	6,554	6,268	6,259	5,599	3,797	5,278	5,556	6,195
1,197	1,556	1,600	556	561	600	638	805	959	1,007
1,064	1,287	1,389	1,693	2,144	2,434	2,146	1,965	2,488	1,938
1,619	1,492	1,493	1,483	1,667	1,908	1,859	1,894	1,982	2,556
2,158	2,849	2,518	2,216	2,209	1,623	2,384	2,589	3,124	2,389
1,026	1,222	1,355	1,344	1,383	1,169	877	1,039	1,339	1,348
5,394	6,896	6,901	6,892	6,956	6,060	7,357	5,781	6,363	6,087
13,911	14,166	15,779	13,588	12,813	13,611	14,294	13,385	13,897	13,705
343	349	352	369	333	337	428	371	405	498
52	54	56	61	60	64	68	64	62	83
47,401	47,783	48,026	51,364	59,510	54,635	62,203	63,258	68,825	63,120
3,849	4,065	4,564	4,814	5,284	4,940	4,673	3,643	4,312	4,038
7,002	6,242	5,406	5,211	5,216	4,680	4,591	4,646	4,672	5,989
1,997	2,020	2,342	1,905	1,579	1,790	1,674	1,557	1,786	1,935
11,802	9,794	9,643	9,924	8,385	9,289	9,395	10,848	10,262	10,551
17,142	14,890	13,504	13,481	14,627	15,844	18,276	25,849	23,005	15,569
1,865	2,075	2,079	2,074	2,093	2,445	2,905	2,038	3,171	1,601

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	2021	2022	2023	2023		
					Jan.	Feb.	Mac
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	19,961	19,856	23,191	1,961	2,496	2,704
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	35,425	37,695	39,836	3,653	3,144	3,342
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	37,054	39,761	42,152	3,645	2,482	3,020
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	1,549,050	1,416,140	1,247,529	97,365	99,515	100,767
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	157,885	153,159	167,623	11,095	17,083	12,508
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	870,924	1,011,455	1,090,486	93,671	101,549	90,100
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	707,765	931,443	1,158,514	91,486	111,535	94,582
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	167,833	175,928	202,278	10,307	11,148	12,940
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	2,899,385	2,815,239	2,550,785	235,256	255,272	224,148
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	3,936	3,139	3,474	211	230	219
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	135,473	151,610	165,843	11,770	15,512	14,010
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	19,258	18,630	15,079	1,212	1,270	1,099
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	266,713	290,765	252,794	25,826	28,438	27,362
Dawai dan kabel yang tertebat Insulated wires and cables	Tan Tonne	129,356	154,579	143,781	11,524	13,660	15,687
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	29,453	32,644	35,227	3,043	3,270	3,392
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	48,538	55,538	46,515	4,657	4,663	4,686
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	41,416	55,168	51,838	3,885	3,919	4,311
Televisyen Television	Bilangan Number	15,071,948	15,977,868	13,583,353	807,858	811,933	997,866
Radio Radios	Bilangan ('000) Number ('000)	9,752	10,190	8,255	709	737	638
Penyaman udara Air-conditioners	Bilangan Number	2,253,569	3,162,946	3,342,121	251,254	292,175	328,527
Kereta penumpang Passenger cars	Bilangan Number	446,417	650,217	724,891	54,663	59,843	71,731
Kenderaan perdagangan Commercial vehicles	Bilangan Number	61,634	117,019	134,721	9,283	10,387	9,461
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	7,825	9,764	10,181	809	844	865
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	172,431	175,222	355,243	15,992	18,563	21,731

									2024
Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.
1,660	1,630	1,698	1,521	1,516	1,444	1,617	2,442	2,501	2,461
3,033	2,810	3,243	3,154	3,463	3,607	3,774	2,958	3,655	3,826
3,460	4,051	3,262	4,481	3,570	3,443	4,431	2,759	3,548	4,870
101,081	105,043	88,870	89,150	96,209	115,877	121,091	121,773	110,788	118,429
9,669	15,069	16,980	12,561	12,492	12,607	14,566	18,669	14,324	10,811
80,637	88,201	88,757	87,806	92,261	91,832	91,026	97,099	87,546	95,113
86,637	87,237	87,536	86,547	114,618	96,620	87,911	93,258	120,547	112,228
17,541	19,868	15,473	15,976	22,825	24,544	26,937	13,392	11,327	10,953
224,951	182,697	185,229	184,494	205,491	208,553	213,528	209,323	221,843	231,574
209	294	428	382	323	290	317	297	275	274
13,046	12,395	13,967	15,559	14,304	14,052	13,018	14,030	14,180	12,232
1,294	1,307	1,270	1,308	1,305	1,310	1,220	1,372	1,113	1,305
19,620	19,078	18,084	19,801	17,262	16,671	20,654	20,303	19,694	27,216
15,909	7,981	9,988	12,037	12,940	14,398	10,019	10,721	8,916	9,254
2,625	2,590	3,071	3,111	3,290	3,302	2,572	2,451	2,511	3,050
4,092	4,287	4,043	3,546	3,553	3,523	3,133	3,035	3,296	3,794
4,881	5,465	5,299	4,475	4,474	4,946	3,930	3,109	3,144	3,031
1,031,793	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
637	593	584	671	781	643	722	751	788	806
304,699	307,501	275,213	279,002	261,798	238,352	248,815	274,825	279,960	276,871
38,575	60,391	54,643	62,558	63,242	65,022	69,475	62,931	61,817	71,666
9,393	15,306	12,168	12,266	12,932	11,208	11,620	11,443	9,254	9,098
730	817	991	1,001	860	785	851	834	793	848
28,591	37,701	33,931	36,810	36,900	34,494	33,039	27,455	30,036	33,309

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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)

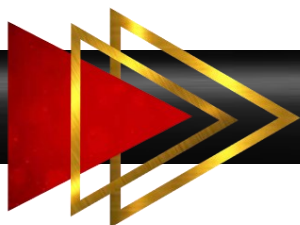
Kaedah *extrapolation*:

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

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

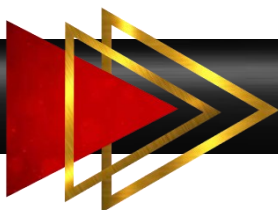
Extrapolation Method:

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

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.

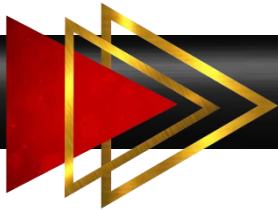
5. TYPE OF BUSINESS ACTIVITY

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

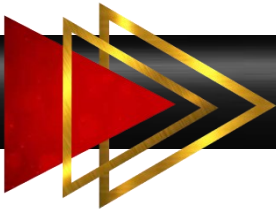
Z = Value of confidence level

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

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

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

$i = 1, 2, \dots k$



where;

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

N_h = Population size for substratum h

S_h = Standard deviation for substratum h

n_i = Sample size for stratum i

h = Substratum

i = Stratum

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

9. WEIGHTED

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

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

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

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h



Non response weight at substratum h as below:

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

where,

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

n_h = Number of sample size for substratum h

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

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

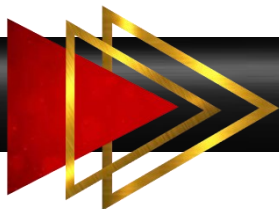
where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

10. REPORTING UNIT

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



11. VALUE OF SALES

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

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

12. NUMBER OF PAID EMPLOYEES

Number of paid employees cover as follows:

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

13. SALARIES & WAGES PAID

Salaries & wages paid refers to all cash payments, including bonuses, commissions, overtime wages, cost of living allowances and other allowances made to all employees during the reference month. The employees' contribution to Employees' Provident Fund (EPF) and Social Security Organisation (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).