



**JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA**

PERANGKAAN PEMBUATAN BULANAN
MONTHLY MANUFACTURING STATISTICS

FEBRUARI 2022
FEBRUARY

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Jabatan Perangkaan Malaysia sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022.

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KATA PENGANTAR

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 dan penggubalan dasar serta membuat keputusan.

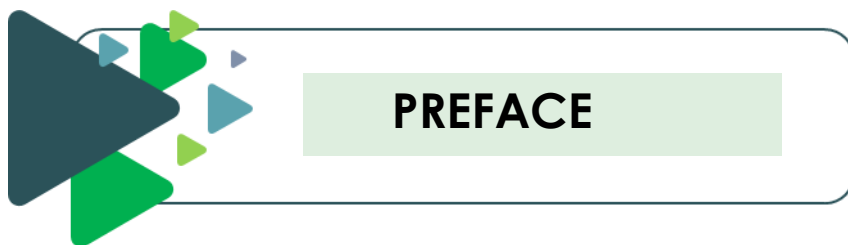
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Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan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

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

April 2022



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 and formulation of policies and decision making.

The summary findings and detailed statistical tables are highlighted in the first and second part of this publication. Meanwhile, the technical aspects on scope and coverage, concepts and definitions used 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. Every feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

April 2022



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**KALENDAR KELUARAN AWALAN 2022,
PERANGKAAN PEMBUATAN BULANAN**
ADVANCE RELEASE CALENDAR YEAR 2022,
MONTHLY MANUFACTURING STATISTICS

Bulan rujukan / Reference month	Tarikh / Date
Januari 2022 / January 2022	11.03.2022
Februari 2022 / February 2022	11.04.2022
Mac 2022 / March 2022	10.05.2022
April 2022 / April 2022	10.06.2022
Mei 2022 / May 2022	08.07.2022
Jun 2022 / June 2022	09.08.2022
Julai 2022 / July 2022	09.09.2022
Ogos 2022 / August 2022	12.10.2022
September 2022 / September 2022	08.11.2022
Oktober 2022 / October 2022	12.12.2022
November 2022 / November 2022	10.01.2023
Disember 2022 / December 2022	08.02.2023

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>)

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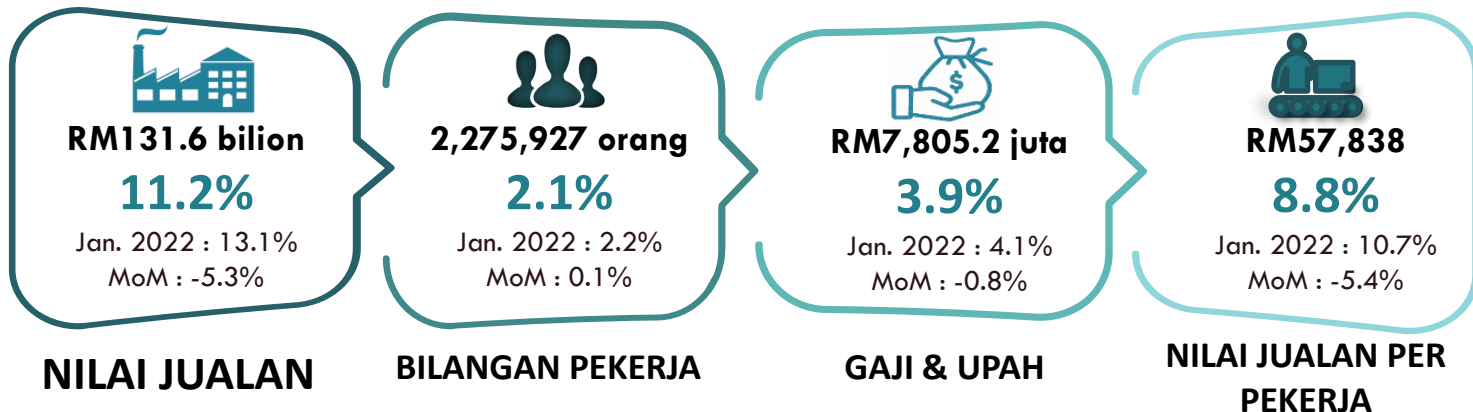
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SUMMARY OF FINDINGS



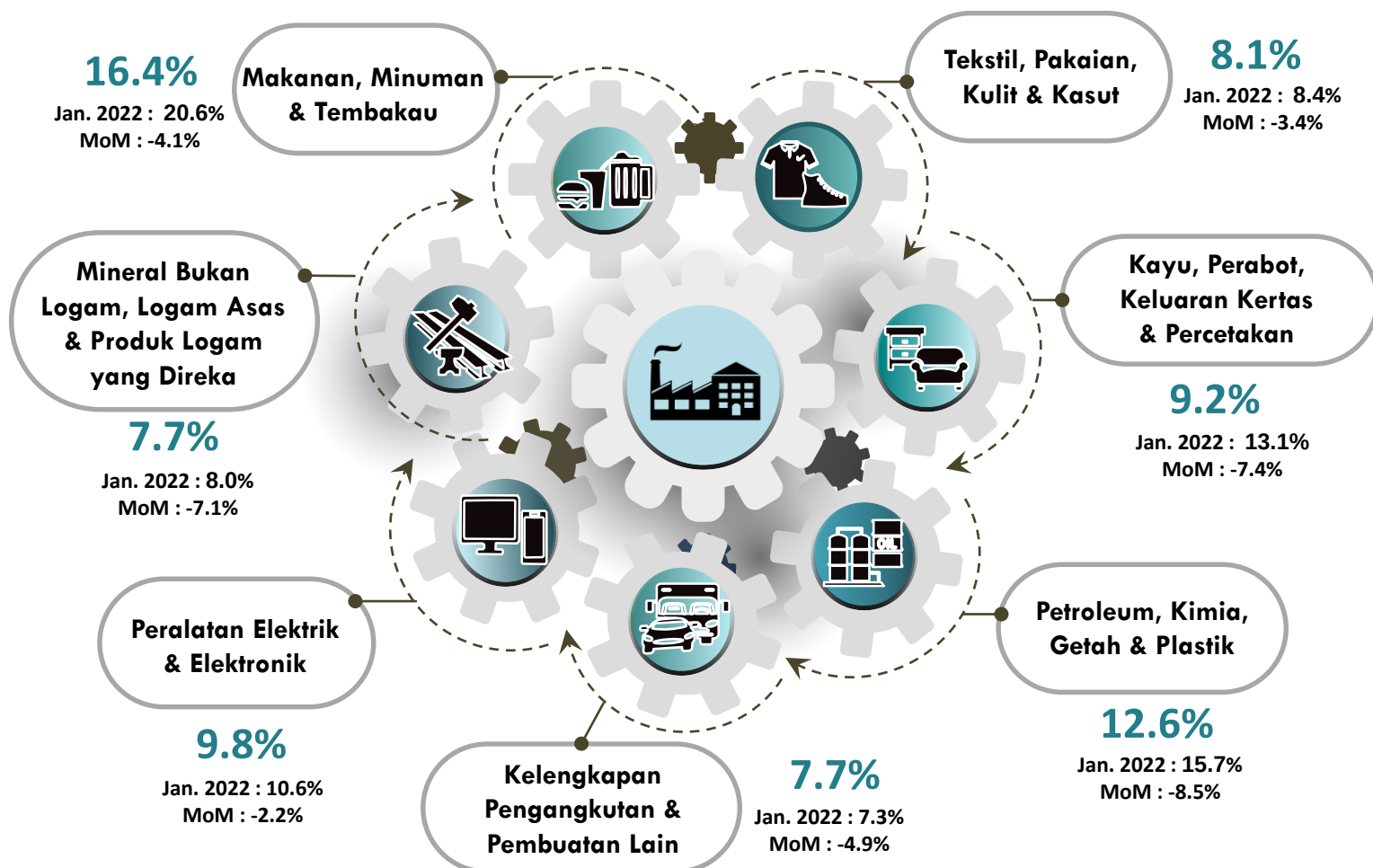
JABATAN PERDANA MENTERI
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Nilai jualan sektor Pembuatan Malaysia terus merekodkan pertumbuhan dua digit 11.2 peratus berjumlah RM131.6 bilion pada Februari 2022



NILAI JUALAN MENGIKUT SUBSEKTOR



Nota : Peratus pertumbuhan berasaskan perubahan Tahun ke Tahun (YoY) dan Bulan ke Bulan (MoM)

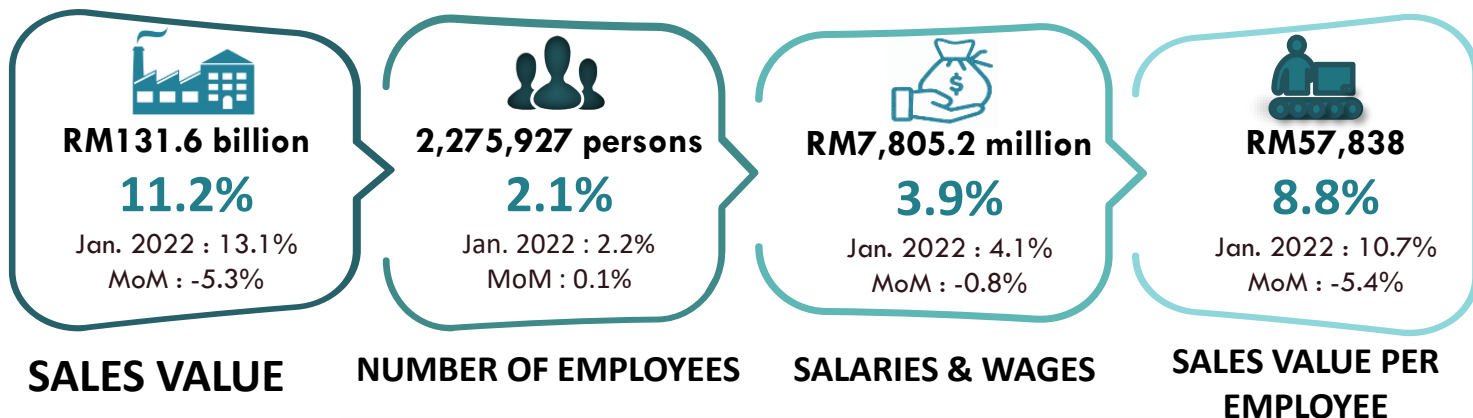
Sumber : Perangkaan Pembuatan Bulanan, Malaysia
Februari 2022
Jabatan Perangkaan Malaysia



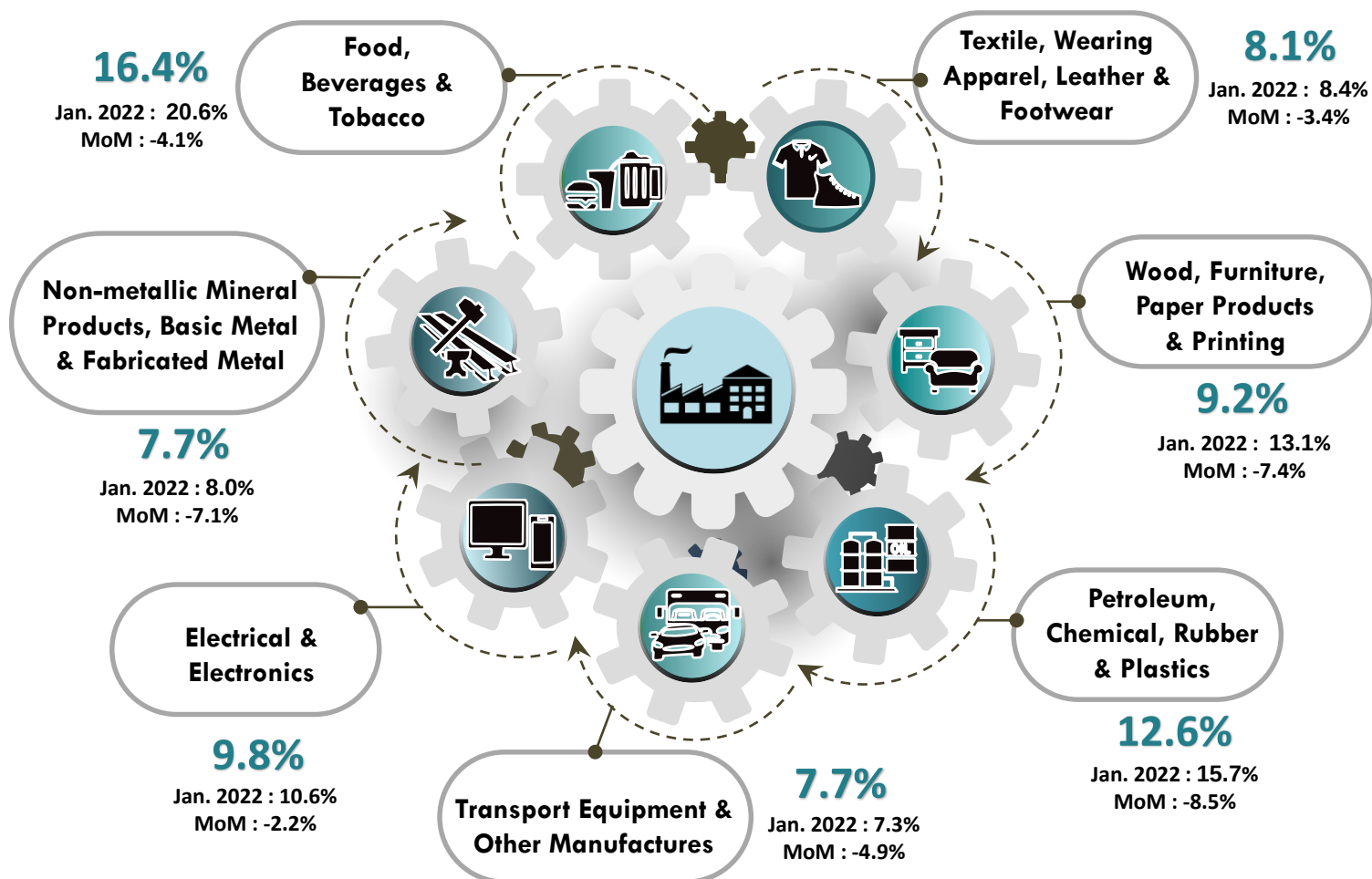
PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA



Malaysia's Manufacturing sales value continued to record double digit growth 11.2 per cent amounted to RM131.6 billion in February 2022



SALES VALUE BY SUBSECTOR



Note : Percentage growth refers to Year-on-Year (YoY) and Month-on-Month (MoM) changes

Source : Monthly Manufacturing Statistics, Malaysia
February 2022
Department of Statistics Malaysia

PERANGKAAAN PEMBUATAN BULANAN, MALAYSIA FEBRUARI 2022

PRESTASI BULAN FEBRUARI 2022

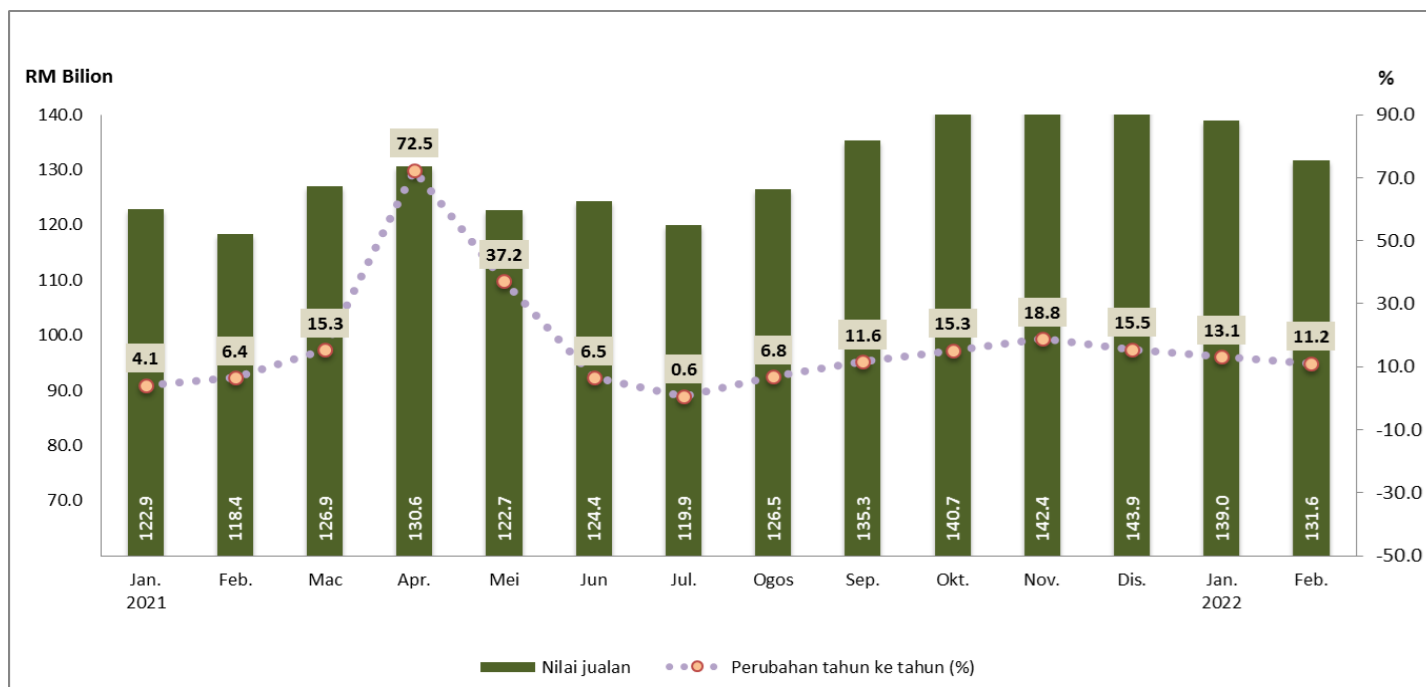
1

NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan Malaysia pada bulan Februari 2022 berjumlah **RM131.6 bilion** meningkat kepada **11.2 peratus** berbanding RM118.4 bilion yang dilaporkan pada tahun sebelumnya (**Carta 1**). Berasaskan pertumbuhan bulan ke bulan, nilai jualan menurun **5.3 peratus** (Jan. 2022: RM139.0 bilion) manakala bagi terma pelarasan musim, nilai jualan meningkat **5.3 peratus**.

Peningkatan tahun ke tahun pada bulan Februari 2022 adalah dipacu oleh Produk Makanan, Minuman & Tembakau (**16.4%**), Produk Petroleum, Kimia, Getah & Plastik (**12.6%**) dan Produk Elektrik & Elektronik (**9.8%**).

Carta 1: Nilai Jualan Sektor Pembuatan



* Nota :

- Laporan ini boleh diperolehi daripada laman portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan: **Siaran Terkini**.
- Data bagi bulan Februari 2022 merupakan data **sementara**. Data ini akan dikemaskini berdasarkan data terkini yang diperolehi dan akan diterbitkan dalam penerbitan bulan Mac 2022.

2

BILANGAN PEKERJA

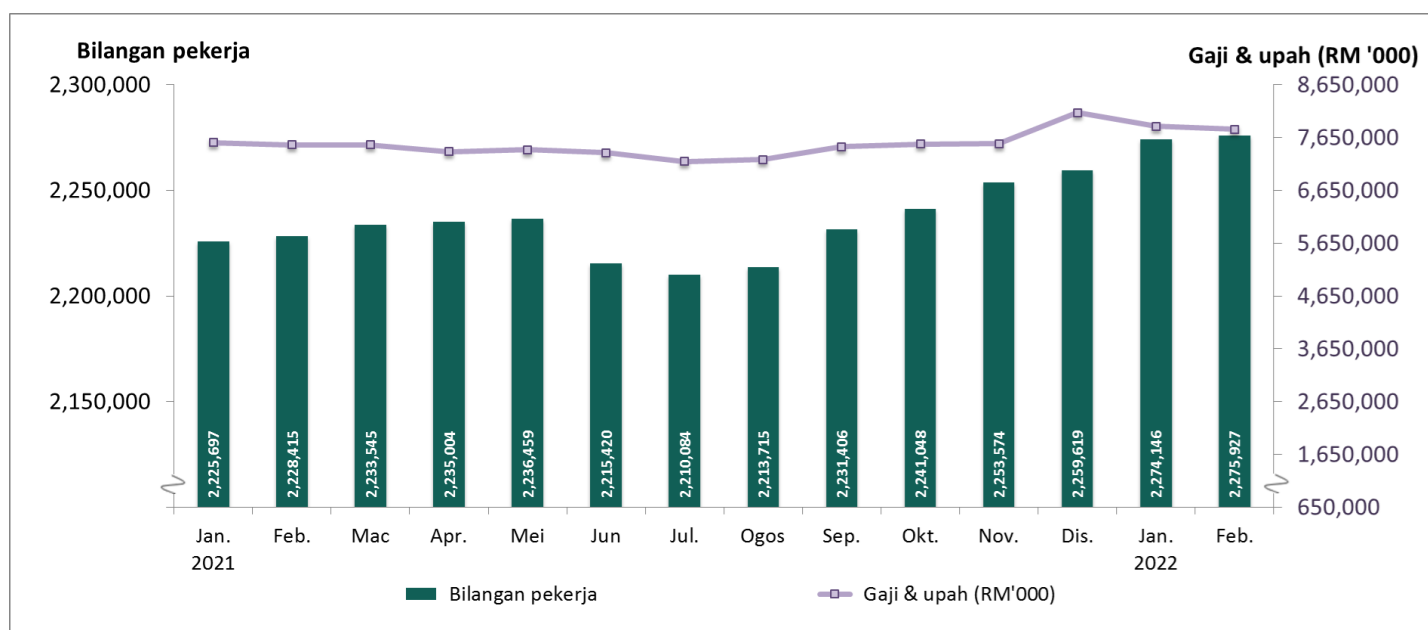
Jumlah pekerja sektor Pembuatan pada bulan Februari 2022 adalah seramai **2,275,927 orang**, meningkat **2.1 peratus** berbanding 2,228,415 orang pada Februari 2021 (**Carta 2**). Pada tempoh rujukan tersebut, bilangan pekerja meningkat **0.1 peratus** berbanding 2,274,146 orang dicatatkan pada bulan sebelumnya.

3

GAJI & UPAH

Gaji & upah yang dibayar adalah berjumlah **RM7,805.2 juta**, meningkat **3.9 peratus** atau **RM293.0 juta** pada Februari 2022 berbanding bulan yang sama tahun sebelumnya. Sementara itu, nilai gaji & upah yang dibayar pada bulan Februari 2022 menurun **0.8 peratus** (**RM60.1 juta**) berbanding Januari 2022.

Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan

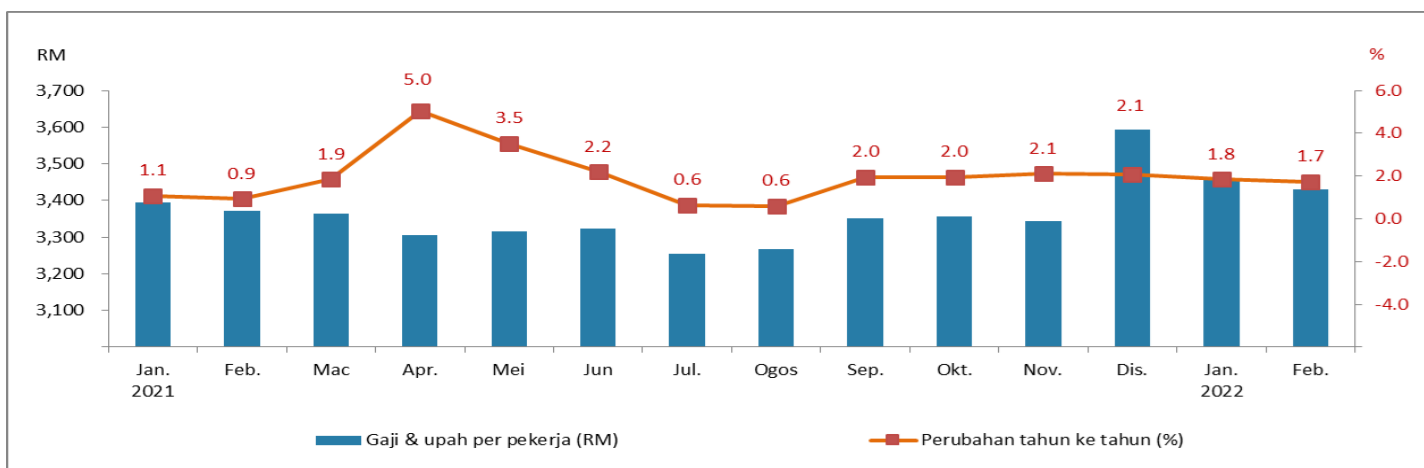


4

PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah yang dibayar bagi setiap pekerja pada bulan Februari 2022 adalah sebanyak **RM3,429** iaitu meningkat **1.7 peratus** berbanding bulan yang sama tahun 2021 (**Carta 3**). Sementara itu, purata gaji & upah bagi setiap pekerja menurun **0.8 peratus** berbanding Januari 2022 (RM3,459).

Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan

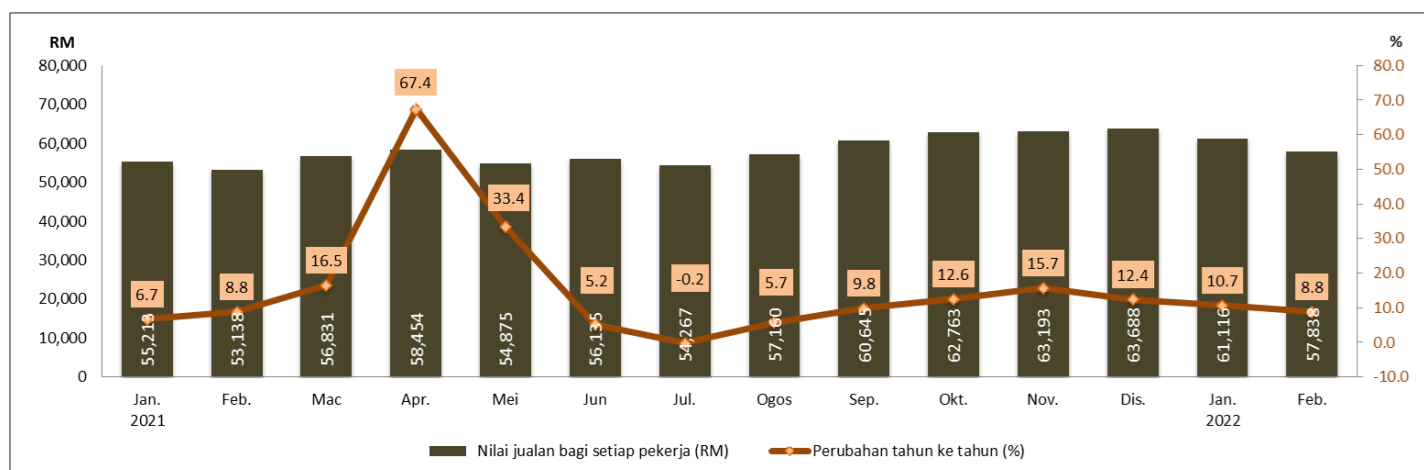


5

NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Februari 2022 meningkat **8.8 peratus** kepada **RM57,838** berbanding bulan yang sama tahun sebelumnya (**Carta 4**). Sementara itu, bulan ke bulan, purata nilai jualan bagi setiap pekerja menurun **5.4 peratus**.

Carta 4: Nilai Jualan Per Pekerja Sektor Pembuatan





Nilai jualan sektor Pembuatan bagi tempoh Januari hingga Februari 2022 merekodkan peningkatan **12.2 peratus** kepada **RM270.6 bilion** berbanding tempoh yang sama tahun 2021. Bilangan pekerja pada tempoh tersebut bertambah **2.1 peratus** kepada **2,275,927 orang** manakala gaji & upah dibayar mencatatkan peningkatan **4.0 peratus** kepada **RM15.7 bilion**.

Nilai jualan per pekerja pada tempoh rujukan meningkat sebanyak **9.8 peratus** kepada **RM118,906**. Butiran terperinci seperti yang ditunjukkan di dalam Jadual A.

**Jadual A : Nilai Jualan, Bilangan Pekerja dan Gaji & Upah,
Januari-Februari 2022**

Perangkaan Pembuatan Bulanan	Januari-Februari		% Perubahan
	2021	2022	
Nilai Jualan (RM juta)	241,299.1	270,620.6	12.2
Bilangan Pekerja	2,228,415	2,275,927	2.1
Gaji & Upah (RM juta)	15,070.2	15,670.5	4.0
Nilai Jualan Per Pekerja (RM)	108,283	118,906	9.8

MONTHLY MANUFACTURING STATISTICS, MALAYSIA

FEBRUARY 2022

PERFORMANCE IN FEBRUARY 2022

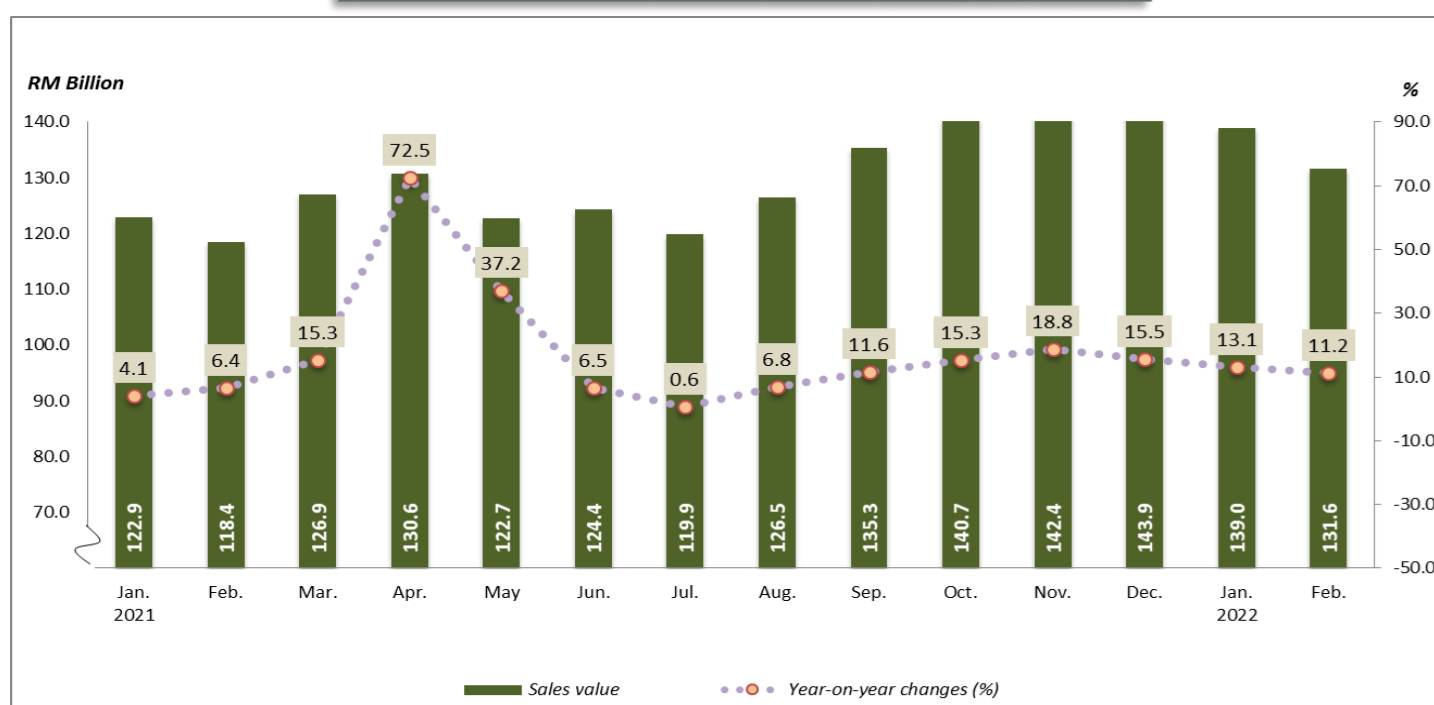
1

SALES VALUE OF THE MANUFACTURING SECTOR

Malaysia's Manufacturing sales value in February 2022 stood at **RM131.6 billion**, grew **11.2 per cent** as compared to RM118.4 billion reported a year ago (**Chart 1**). Based on month-on-month growth, the sales value declined by **5.3 per cent** (Jan. 2022: RM139.0 billion) while in a seasonally adjusted terms, the sales value increased by **5.3 per cent**.

The year-on-year increment in February 2022 was driven by Food, Beverages & Tobacco Products (**16.4%**), Petroleum, Chemical, Rubber & Plastic Products (**12.6%**) and Electrical & Electronics Products (**9.8%**).

Chart 1 : Sales Value of the Manufacturing Sector



*Notes:

1. 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**.
2. Data for February 2022 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the March 2022 publication.

2

NUMBER OF EMPLOYEES

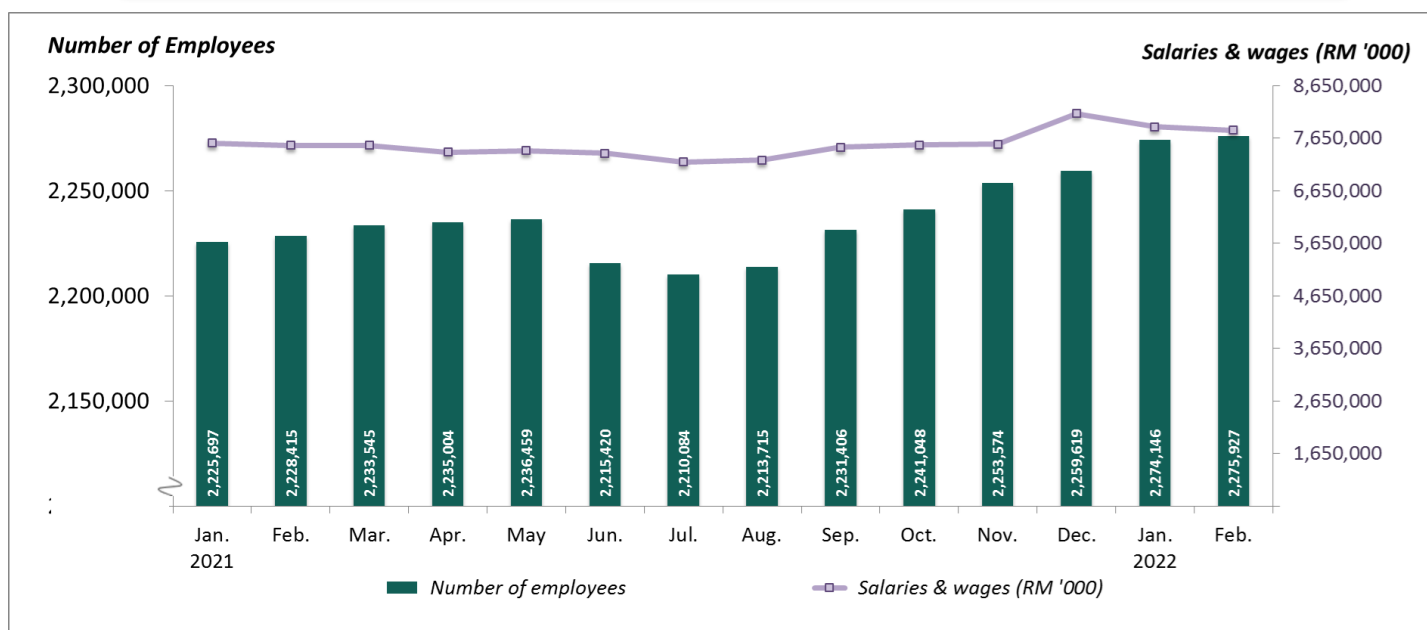
Total employees engaged in the Manufacturing sector in February 2022 was **2,275,927 persons**, an increase of **2.1 per cent** as compared to 2,228,415 persons in February 2021 (**Chart 2**). During the reference period, the number of employees increased by **0.1 per cent** as compared to 2,274,146 persons registered in the preceding month.

3

SALARIES & WAGES

Salaries & wages paid amounted to **RM7,805.2 million**, rose by **3.9 per cent** or **RM293.0 million** in February 2022 as against the same month of the preceding year. Meanwhile, salaries & wages paid in February 2022 decreased by **0.8 per cent** (**RM60.1 million**) as compared to January 2022.

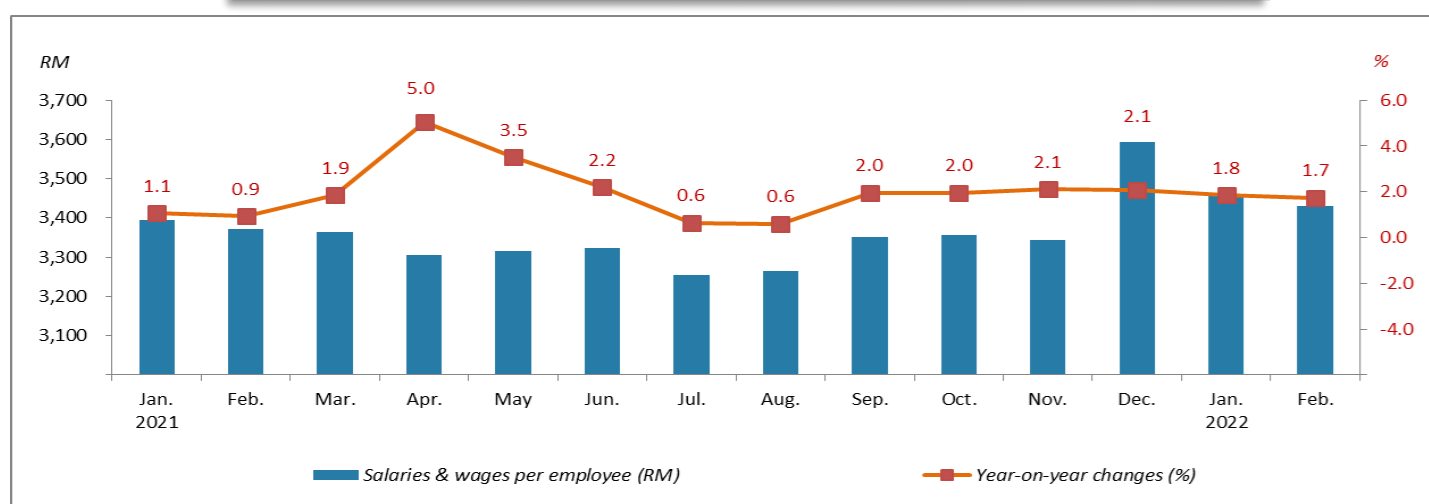
Chart 2 : Number of Employees and Salaries & Wages in Manufacturing Sector



4 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in February 2022 was **RM3,429**, increased by **1.7 per cent** as compared to the same month in 2021 (**Chart 3**). Whilst, average salaries & wages paid per employee decreased **0.8 per cent** as compared to January 2022 (RM3,459).

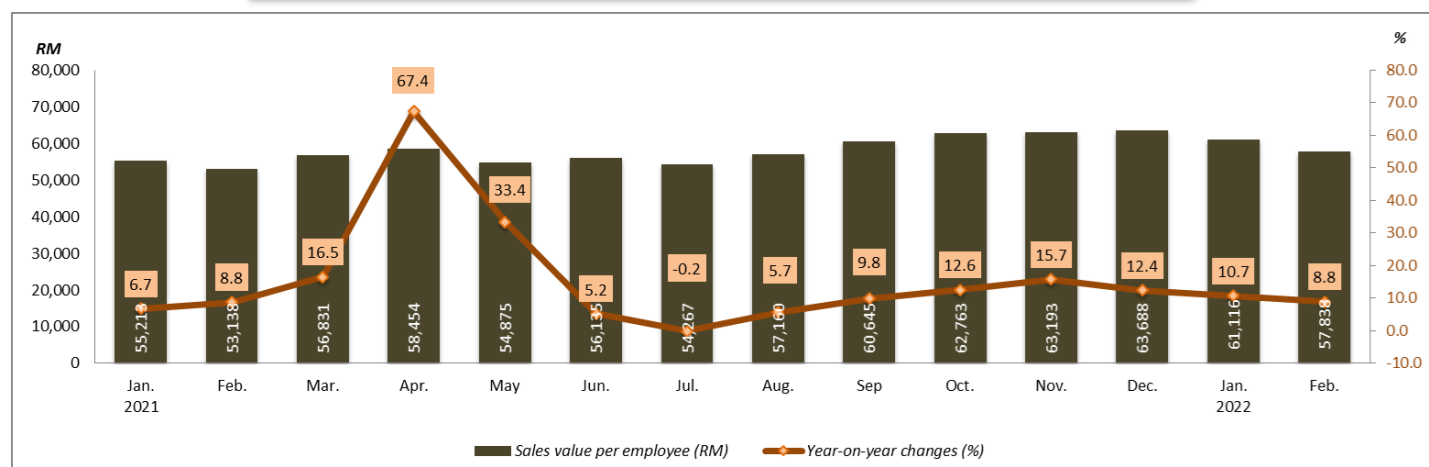
Chart 3 : Salaries & Wages Per Employee in Manufacturing Sector



5 SALES VALUE PER EMPLOYEE

The sales value per employee in February 2022 increased by **8.8 per cent** to register **RM57,838** as compared with the same month of the previous year (**Chart 4**). Meanwhile, on month-on-month basis, the average sales value per employee decreased by **5.4 per cent**.

Chart 4 : Sales Value Per Employee in Manufacturing Sector



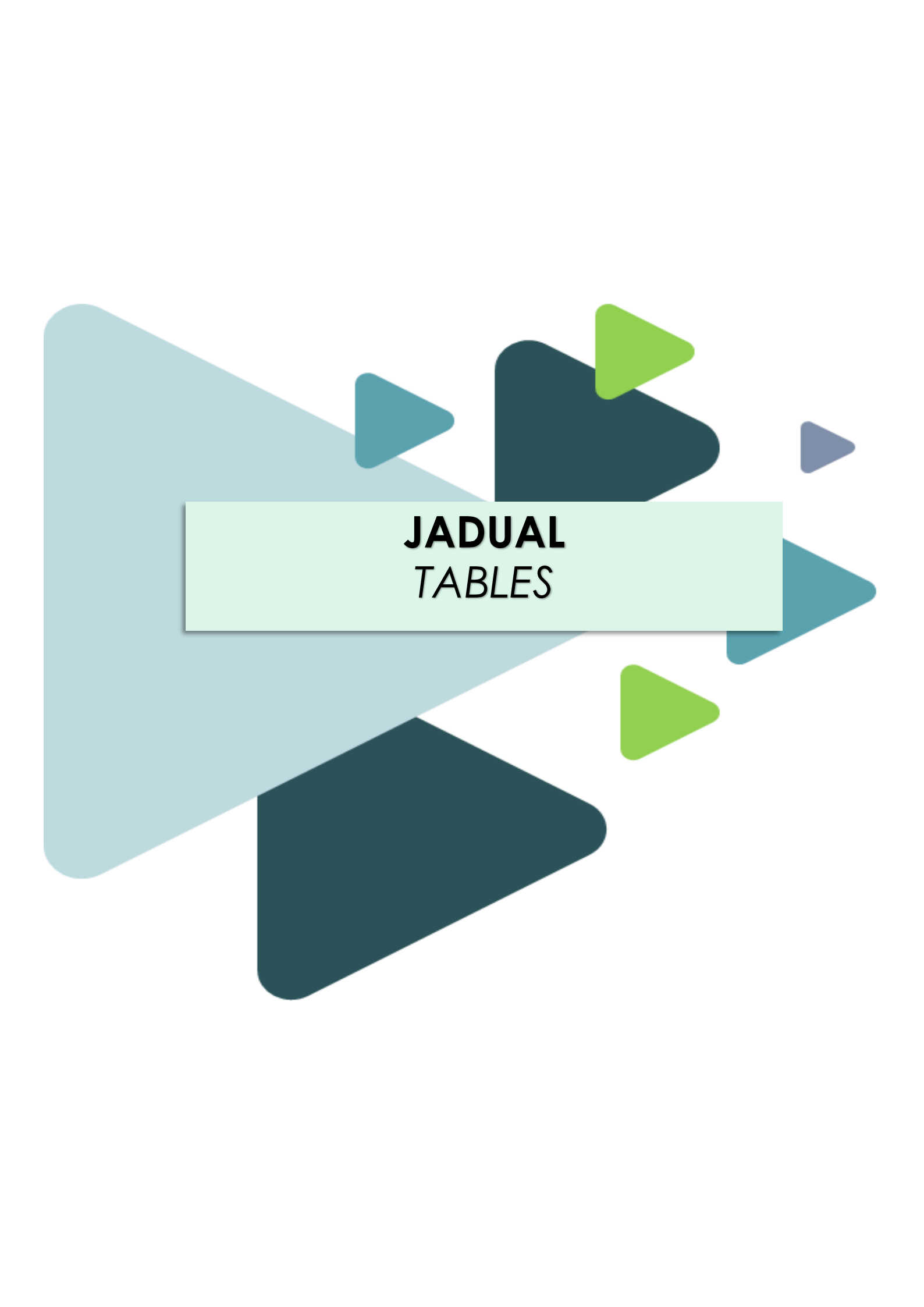


The sales value of the Manufacturing sector in the period January to February 2022 registered an increase of **12.2 per cent** to **RM270.6 billion** as compared to the same period of 2021. The number of employees engaged during the period rose by **2.1 per cent** to register **2,275,927 persons** while salaries & wages paid went up by **4.0 per cent** to **RM15.7 billion**.

The sales value per employee during the reference period rose by **9.8 per cent** to record **RM118,906**. The detailed information as shown in Table A.

**Table A: Sales Value, Number of Employees and Salaries & Wages,
January-February 2022**

Monthly Manufacturing Statistics	January-February		% Change
	2021	2022	
Sales Value (RM million)	241,299.1	270,620.6	12.2
Number of Employees	2,228,415	2,275,927	2.1
Salaries & Wages (RM million)	15,070.2	15,670.5	4.0
Sales Value Per Employee (RM)	108,283	118,906	9.8



JADUAL *TABLES*

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

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) Sales value of own (Ex-factory) (RM Juta/Million)				Bilangan Pekerja Bergaji Pada Akhir Tempoh Number of employees engaged at end of period				Gaji & Upah Yang Dibayar Salaries & wages paid (RM Juta/Million)			
		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
2019		1,376,027				2,243,788				88,206			
2020		1,346,620	-2.1			2,199,195	-2.0			87,194	-1.1		
2021		1,554,738	15.5			2,259,619	2.7			89,830	3.0		
2020	Q1	339,324	2.2			2,257,273	1.2			22,728	3.4		
	Q2	282,020	-16.5			2,188,142	-2.2			20,906	-4.0		
	Q3	358,828	2.4			2,195,300	-2.4			21,420	-2.7		
	Q4	366,447	3.0			2,199,195	-2.0			22,139	-1.3		
2021	Q1	368,234	8.5			2,233,545	-1.1			22,584	-0.6		
	Q2	377,735	33.9			2,215,420	1.2			22,162	6.0		
	Q3	381,793	6.4			2,231,406	1.6			21,904	2.3		
	Q4	426,976	16.5			2,259,619	2.7			23,180	4.7		
2021	(Jan. - Feb.)	241,299	5.3			2,228,415	-2.2			15,070	-1.3		
2022	(Jan. - Feb.)	270,621	12.2			2,275,927	2.1			15,671	4.0		
2021	Jan.	122,887	4.1	119,811	0.01	2,225,697	-2.4	2,211,521	0.2	7,558	-1.4	7,423	-0.02
	Feb.	118,412	6.4	129,751	8.3	2,228,415	-2.2	2,214,552	0.1	7,512	-1.3	7,463	0.5
	Mac	126,935	15.3	127,089	-2.1	2,233,545	-1.1	2,224,979	0.5	7,514	0.8	7,407	-0.8
	Apr.	130,646	72.5	135,527	6.6	2,235,004	3.0	2,230,721	0.3	7,386	8.2	7,405	-0.03
	Mei	122,726	37.2	127,415	-6.0	2,236,459	2.8	2,229,970	-0.03	7,416	6.4	7,470	0.9
	Jun	124,363	6.5	128,805	1.1	2,215,420	1.2	2,220,505	-0.4	7,360	3.5	7,426	-0.6
	Jul.	119,934	0.6	118,568	-7.9	2,210,084	0.8	2,212,629	-0.4	7,195	1.5	7,259	-2.2
	Ogo.	126,536	6.8	123,906	4.5	2,213,715	1.0	2,220,109	0.3	7,231	1.7	7,300	0.6
	Sep.	135,323	11.6	131,658	6.3	2,231,406	1.6	2,235,340	0.7	7,479	3.6	7,527	3.1
	Okt.	140,655	15.3	134,714	2.3	2,241,048	2.4	2,251,834	0.7	7,523	4.4	7,635	1.4
	Nov.	142,411	18.8	138,859	3.1	2,253,574	2.6	2,263,852	0.5	7,536	4.8	7,722	1.1
	Dis.	143,911	15.5	138,236	-0.4	2,259,619	2.7	2,267,988	0.2	8,122	4.9	7,783	0.8
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.	131,635	11.2	142,906	5.3	2,275,927	2.1	2,260,870	0.4	7,805	3.9	7,737	1.1

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

Subsektor Sub-sector	2020	2021	2020						
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	251,984	283,918	53,618	64,554	67,149	66,664	59,219	73,656	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	239,437	270,349	49,605	62,975	63,781	63,077	55,237	70,737	
11 Pembuatan minuman <i>Manufacture of beverages</i>	9,487	10,629	3,067	1,395	2,434	2,590	3,009	2,325	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	3,060	2,940	946	184	934	997	973	594	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	19,816	21,954	5,529	3,607	5,015	5,665	5,641	5,199	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	8,867	10,728	2,491	1,577	2,251	2,548	2,594	2,678	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	8,771	9,037	2,399	1,662	2,215	2,495	2,391	2,057	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2,177	2,189	638	369	549	621	656	463	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	72,615	76,494	20,628	11,530	19,797	20,660	21,054	16,461	
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>	22,282	23,028	7,400	2,300	6,008	6,573	6,881	4,165	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	22,276	25,788	5,582	4,934	5,887	5,874	6,180	6,384	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	11,533	12,098	3,170	1,879	3,184	3,300	3,291	2,682	
31 Pembuatan perabot <i>Manufacture of furniture</i>	16,524	15,579	4,475	2,416	4,718	4,914	4,702	3,230	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	338,815	432,121	91,295	76,356	82,598	88,566	98,651	111,747	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	128,477	175,557	40,657	27,680	28,840	31,300	33,513	44,230	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	90,600	102,329	25,391	19,771	22,071	23,367	26,389	23,165	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	7,843	9,185	1,768	2,006	2,111	1,959	2,117	2,260	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	111,894	145,049	23,479	26,899	29,576	31,940	36,632	42,092	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	139,470	149,345	40,753	22,788	36,273	39,656	41,006	33,686	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	40,189	42,773	12,121	5,878	10,558	11,633	12,338	9,803	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	45,895	49,566	13,128	6,784	12,518	13,465	13,195	10,295	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	53,385	57,006	15,504	10,126	13,197	14,558	15,472	13,588	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	422,176	483,198	103,535	86,460	118,052	114,129	115,062	112,357	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	343,227	391,925	84,522	69,688	96,026	92,991	94,964	89,376	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	42,124	48,489	10,096	8,418	12,051	11,558	10,668	11,692	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	36,825	42,783	8,917	8,354	9,974	9,580	9,430	11,289	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	101,743	107,710	23,966	16,725	29,945	31,107	27,602	24,630	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	72,975	77,384	15,932	11,717	22,262	23,065	19,553	17,264	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	12,945	14,103	3,766	2,191	3,237	3,752	3,735	3,295	
32 Pembuatan lain <i>Other manufacturing</i>	10,499	10,897	2,847	1,947	2,883	2,821	2,885	2,941	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	5,324	5,326	1,421	870	1,563	1,469	1,430	1,129	
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	1,346,620	1,554,738	339,324	282,020	358,828	366,447	368,234	377,735

(RM Juta/Million)																	
2021		2021	2022	2021												2022	
Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
73,063	77,981	39,414	46,714	19,772	19,642	19,805	24,322	23,763	25,570	23,110	23,428	26,525	26,644	26,020	25,316	23,842	22,872
70,520	73,855	36,833	43,969	18,473	18,360	18,404	23,034	22,704	24,998	22,455	22,584	25,481	25,183	24,716	23,956	22,472	21,497
2,276	3,019	1,960	2,088	979	981	1,049	1,004	821	499	578	790	908	1,067	975	977	1,042	1,046
266	1,108	621	657	320	301	352	284	237	72	77	54	135	393	330	384	327	330
5,046	6,068	3,754	4,064	1,907	1,848	1,886	1,797	1,717	1,684	1,642	1,677	1,727	1,949	2,029	2,090	2,067	1,997
2,542	2,913	1,693	1,977	858	835	900	882	862	934	858	838	845	920	981	1,012	1,012	965
2,097	2,492	1,625	1,635	824	801	766	730	686	640	680	702	715	818	823	852	825	809
408	662	436	452	224	212	220	184	169	110	103	137	167	211	225	226	230	223
16,769	22,210	13,718	15,253	7,006	6,712	7,336	6,372	5,455	4,634	4,476	5,842	6,451	6,996	7,607	7,607	7,922	7,332
4,709	7,273	4,470	5,138	2,293	2,177	2,412	1,884	1,265	1,016	1,012	1,744	1,953	2,235	2,467	2,571	2,679	2,459
6,476	6,748	3,912	4,402	1,947	1,965	2,268	2,221	2,079	2,084	2,049	2,195	2,232	2,284	2,285	2,179	2,258	2,143
2,708	3,417	2,227	2,389	1,136	1,091	1,064	1,062	934	687	801	935	971	983	1,210	1,224	1,223	1,165
2,876	4,772	3,109	3,325	1,631	1,478	1,593	1,206	1,177	847	614	968	1,294	1,494	1,646	1,633	1,761	1,564
110,869	110,854	63,266	72,231	32,617	30,649	35,385	37,391	36,714	37,642	38,594	36,647	35,628	35,765	37,790	37,299	37,725	34,506
48,092	49,722	22,380	32,165	11,805	10,576	11,133	14,568	14,947	14,715	16,463	16,084	15,545	15,666	17,604	16,452	17,255	14,910
25,586	27,189	17,273	19,076	8,703	8,570	9,116	7,417	7,405	8,343	8,308	8,817	8,461	8,560	8,877	9,751	9,640	9,437
2,405	2,403	1,361	1,583	660	700	756	722	695	843	766	799	839	818	807	778	819	764
34,786	31,539	22,252	19,407	11,449	10,803	14,380	14,684	13,667	13,742	13,058	10,947	10,782	10,720	10,501	10,318	10,012	9,395
31,954	42,699	27,428	29,574	14,198	13,230	13,577	13,219	11,643	8,823	8,520	10,766	12,668	13,570	14,279	14,851	15,328	14,246
8,765	11,867	8,190	8,688	4,222	3,969	4,148	3,709	3,417	2,678	2,662	2,946	3,157	3,559	4,073	4,235	4,425	4,263
11,235	14,840	8,850	9,573	4,562	4,287	4,346	4,216	3,416	2,663	2,488	3,871	4,876	4,920	4,931	4,989	5,005	4,568
11,954	15,992	10,388	11,313	5,414	4,975	5,084	5,295	4,811	3,482	3,370	3,950	4,634	5,090	5,275	5,627	5,899	5,414
121,467	134,311	75,957	83,692	38,267	37,691	39,105	37,685	35,029	39,643	36,823	40,942	43,702	45,080	43,256	45,976	42,314	41,378
98,431	109,155	62,655	68,285	31,435	31,219	32,309	29,877	27,850	31,648	30,008	32,876	35,547	36,676	34,928	37,551	34,327	33,959
12,381	13,748	7,102	8,401	3,739	3,363	3,566	3,934	3,667	4,090	3,750	4,271	4,360	4,586	4,514	4,648	4,383	4,018
10,655	11,408	6,201	7,006	3,092	3,108	3,230	3,873	3,512	3,904	3,066	3,794	3,795	3,818	3,814	3,776	3,605	3,401
22,624	32,854	17,762	19,092	9,121	8,642	9,840	9,859	8,404	6,366	6,767	7,235	8,622	10,651	11,431	10,771	9,788	9,304
16,298	24,269	12,562	13,636	6,392	6,170	6,991	6,894	6,015	4,355	4,976	5,182	6,140	7,901	8,460	7,908	6,931	6,706
3,011	4,062	2,395	2,467	1,266	1,129	1,339	1,337	994	964	866	1,031	1,114	1,303	1,415	1,344	1,299	1,167
2,140	2,931	1,907	2,007	997	909	978	1,148	1,067	726	593	655	891	941	991	999	1,047	960
1,176	1,591	899	982	466	433	531	481	328	321	332	366	477	506	565	519	511	471
381,793	426,976	241,299	270,621	122,887	118,412	126,935	130,646	122,726	124,363	119,934	126,536	135,323	140,655	142,411	143,911	138,986	131,635

Subsektor Sub-sector	2020	2021	2021				
			Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	7.5	12.7	10.4	14.1	8.8	17.0	
10 Pembuatan produk makanan Manufacture of food products	9.9	12.9	11.4	12.3	10.6	17.1	
11 Pembuatan minuman Manufacture of beverages	-24.5	12.0	-1.9	66.6	-6.5	16.5	
12 Pembuatan produk tembakau Manufacture of tobacco products	-21.7	-3.9	2.9	222.9	-71.5	11.1	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	-11.8	10.8	2.0	44.1	0.6	7.1	
13 Pembuatan tekstil Manufacture of textiles	-11.9	21.0	4.1	69.8	12.9	14.3	
14 Pembuatan pakaian Manufacture of wearing apparel	-10.0	3.0	-0.4	23.8	-5.3	-0.1	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-18.0	0.6	2.8	25.6	-25.7	6.6	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	-11.9	5.3	2.1	42.8	-15.3	7.5	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-24.0	3.4	-7.0	81.0	-21.6	10.7	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-2.1	15.8	10.7	29.4	10.0	14.9	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-8.3	4.9	3.8	42.7	-15.0	3.5	
31 Pembuatan perabot Manufacture of furniture	-7.3	-5.7	5.1	33.7	-39.0	-2.9	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	-2.5	27.5	8.1	46.3	34.2	25.2	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-14.0	36.6	-17.6	59.8	66.8	58.9	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	-12.1	12.9	3.9	17.2	15.9	16.4	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	16.2	17.1	19.8	12.7	13.9	22.7	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	26.8	29.6	56.0	56.5	17.6	-1.3	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	-15.3	7.1	0.6	47.8	-11.9	7.7	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-18.5	6.4	1.8	66.8	-17.0	2.0	
24 Pembuatan logam asas Manufacture of basic metals	-12.0	8.0	0.5	51.7	-10.2	10.2	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	-15.5	6.8	-0.2	34.2	-9.4	9.8	
6. Produk elektrik dan elektronik Electrical and electronic products	-0.5	14.5	11.1	30.0	2.9	17.7	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-0.2	14.2	12.4	28.3	2.5	17.4	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-2.7	15.1	5.7	38.9	2.7	18.9	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-0.3	16.2	5.7	35.1	6.8	19.1	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	1.4	5.9	15.2	47.3	-24.4	5.6	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	6.7	6.0	22.7	47.3	-26.8	5.2	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-12.5	8.9	-0.8	50.4	-7.0	8.3	
32 Pembuatan lain Other manufacturing	-5.9	3.8	1.3	51.0	-25.8	3.9	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-11.3	0.04	0.6	29.8	-24.8	8.3	
Pembuatan Manufacturing	Jumlah Total	-2.1	15.5	8.5	33.9	6.4	16.5

															(%)
2021 (Jan. - Feb.)	2022 (Jan. - Feb.)	2021												2022	
Jan.	Feb.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
8.3	18.5	7.7	9.0	14.9	20.4	13.8	9.0	7.1	7.0	12.0	11.8	20.7	19.0	20.6	16.4
9.4	19.4	8.9	9.9	15.4	16.1	11.2	10.0	9.3	8.8	13.3	11.2	21.0	19.7	21.7	17.1
-6.8	6.5	-9.4	-4.1	8.9	177.0	88.0	-16.2	-19.1	-7.4	4.8	24.3	17.2	8.5	6.4	6.6
1.5	5.8	1.7	1.2	5.4	4,736.7	641.2	-50.5	-75.2	-81.2	-59.9	17.4	7.6	8.3	2.3	9.6
-0.7	8.2	-0.4	-1.0	7.9	143.0	38.3	3.6	-0.5	1.9	0.5	3.7	10.9	6.9	8.4	8.1
-0.9	16.7	0.1	-1.8	15.0	187.6	52.7	32.4	18.4	9.7	11.0	7.9	18.2	16.9	17.9	15.5
-0.9	0.6	-1.2	-0.6	0.9	88.6	23.4	-10.9	-7.3	-1.1	-7.5	-1.8	3.8	-2.1	0.1	1.1
1.0	3.7	1.3	0.8	6.6	303.9	39.2	-45.6	-46.1	-20.6	-9.4	8.4	8.5	3.1	2.4	5.1
-1.2	11.2	-0.6	-1.8	8.8	215.0	68.1	-26.0	-31.1	-10.6	-4.6	2.0	10.5	10.0	13.1	9.2
-11.0	14.9	-10.9	-11.0	1.3	1,192.4	434.9	-47.0	-48.3	-9.1	-8.4	6.2	13.0	12.5	16.8	13.0
6.6	12.5	8.4	4.9	18.6	62.2	28.2	7.2	4.9	11.9	13.2	13.6	15.9	15.2	16.0	9.1
2.1	7.2	1.7	2.5	7.6	169.9	49.2	-20.1	-21.7	-13.3	-10.2	-9.7	9.8	10.4	7.7	6.8
3.2	7.0	4.3	2.0	8.9	956.3	54.5	-45.0	-60.8	-38.6	-17.8	-9.8	1.0	0.2	8.0	5.8
4.4	14.2	2.7	6.2	15.3	49.1	48.7	41.6	42.3	31.4	29.2	27.0	29.0	19.9	15.7	12.6
-19.2	43.7	-21.2	-16.8	-14.1	46.8	70.9	63.3	75.7	60.8	64.2	64.8	69.1	44.5	46.2	41.0
2.5	10.4	1.0	4.0	6.8	23.9	14.2	14.3	13.2	19.0	15.5	18.3	15.4	15.5	10.8	10.1
18.6	16.3	16.7	20.5	21.9	16.2	7.8	13.9	10.4	12.3	19.0	21.7	22.1	24.4	24.0	9.1
49.3	-12.8	50.8	47.8	67.7	71.7	55.1	44.1	34.2	12.1	7.0	-0.3	-0.2	-3.2	-12.6	-13.0
-1.5	7.8	-0.8	-2.1	5.1	192.9	57.1	-18.8	-27.4	-10.7	1.5	6.3	9.5	7.2	8.0	7.7
-0.8	6.1	-0.2	-1.5	7.4	294.8	75.2	-10.4	-23.7	-16.3	-11.1	-2.3	4.9	3.1	4.8	7.4
-1.5	8.2	-0.2	-2.7	4.8	251.0	99.6	-31.2	-36.5	-5.2	8.1	8.5	11.0	11.2	9.7	6.6
-2.0	8.9	-1.8	-2.1	3.6	123.2	28.3	-13.0	-22.1	-11.3	4.9	10.9	11.8	7.2	9.0	8.8
8.3	10.2	6.4	10.3	17.0	80.2	31.0	2.2	-8.7	6.9	10.8	16.8	17.8	18.4	10.6	9.8
9.4	9.0	7.0	12.0	18.5	75.7	29.1	1.7	-8.2	6.1	9.9	17.1	17.4	17.7	9.2	8.8
2.9	18.3	3.8	1.9	11.7	100.3	40.5	6.4	-8.6	5.7	11.7	13.3	19.1	25.0	17.2	19.5
4.0	13.0	3.7	4.3	9.3	98.8	37.5	1.4	-13.2	16.7	18.9	19.0	20.7	17.6	16.6	9.4
6.8	7.5	5.5	8.2	34.2	332.4	59.5	-30.6	-34.0	-28.6	-9.8	7.4	8.2	1.4	7.3	7.7
11.6	8.6	9.7	13.7	49.4	385.6	65.8	-34.7	-35.8	-31.5	-11.6	8.9	8.1	-0.9	8.4	8.7
-5.0	3.0	-5.1	-4.9	7.6	259.8	29.7	-8.4	-17.7	-3.8	0.2	6.3	9.4	9.0	2.7	3.4
-2.3	5.3	-1.8	-2.8	9.1	239.2	61.6	-23.5	-36.3	-32.8	-8.8	0.4	5.9	5.5	4.9	5.6
-1.2	9.3	-1.4	-0.9	3.8	219.4	52.7	-36.5	-36.6	-29.3	-8.5	1.8	9.8	13.7	9.6	8.9
5.3	12.2	4.1	6.4	15.3	72.5	37.2	6.5	0.6	6.8	11.6	15.3	18.8	15.5	13.1	11.2

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	2021					
	Q1	Q2	Q3	Q4	Jan.	
1. Makanan, minuman dan tembakau	-11.2	24.4	-0.8	6.7	-7.1	
Food, beverages and tobacco						
10 Pembuatan produk makanan Manufacture of food products	-12.4	28.1	-0.3	4.7	-7.7	
11 Pembuatan minuman Manufacture of beverages	16.2	-22.7	-2.1	32.6	8.8	
12 Pembuatan produk tembakau Manufacture of tobacco products	-2.4	-38.9	-55.2	316.2	-9.9	
2. Tekstil, pakaian, kulit dan kasut	-0.4	-7.8	-2.9	20.2	-2.5	
Textiles, wearing apparel, leather and footwear						
13 Pembuatan tekstil Manufacture of textiles	1.8	3.3	-5.1	14.6	-0.9	
14 Pembuatan pakaian Manufacture of wearing apparel	-4.2	-14.0	1.9	18.9	-5.3	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	5.6	-29.4	-12.0	62.5	2.2	
3. Produk kayu, perabot, keluaran kertas dan percetakan	1.9	-21.8	1.9	32.4	1.3	
Wood products, furniture, paper products and printing						
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	4.7	-39.5	13.1	54.5	0.3	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	5.2	3.3	1.4	4.2	2.9	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-0.3	-18.5	0.9	26.2	2.4	
31 Pembuatan perabot Manufacture of furniture	-4.3	-31.3	-11.0	65.9	0.04	
4. Petroleum, kimia, getah dan plastik	11.4	13.3	-0.8	-0.01	4.8	
Petroleum, chemical, rubber and plastic						
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	7.1	32.0	8.7	3.4	3.7	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	12.9	-12.2	10.5	6.3	3.1	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	8.1	6.8	6.4	-0.1	5.6	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	14.7	14.9	-17.4	-9.3	7.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	3.4	-17.9	-5.1	33.6	2.5	
Non-metallic mineral products, basic metal and fabricated metal products						
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	6.1	-20.5	-10.6	35.4	2.7	
24 Pembuatan logam asas Manufacture of basic metals	-2.0	-22.0	9.1	32.1	1.7	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	6.3	-12.2	-12.0	33.8	3.1	
6. Produk elektrik dan elektronik	0.8	-2.4	8.1	10.6	-1.5	
Electrical and electronic products						
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	2.1	-5.9	10.1	10.9	-1.5	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-7.7	9.6	5.9	11.0	0.5	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-1.6	19.7	-5.6	7.1	-3.7	
7. Kelengkapan pengangkutan dan pembuatan lain	-11.3	-10.8	-8.1	45.2	-14.1	
Transport equipment and other manufactures						
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-15.2	-11.7	-5.6	48.9	-19.9	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-0.5	-11.8	-8.6	34.9	2.7	
32 Pembuatan lain Other manufacturing	2.3	2.0	-27.3	37.0	5.3	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-2.7	-21.0	4.1	35.3	2.0	
Pembuatan	Jumlah	0.5	2.6	1.1	11.8	-1.4
Manufacturing	Total					

(%)												
2021											2022	
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-0.7	0.8	22.8	-2.3	7.6	-9.6	1.4	13.2	0.4	-2.3	-2.7	-5.8	-4.1
-0.6	0.2	25.2	-1.4	10.1	-10.2	0.6	12.8	-1.2	-1.9	-3.1	-6.2	-4.3
0.1	7.0	-4.3	-18.2	-39.2	15.7	36.8	14.9	17.5	-8.7	0.2	6.7	0.3
-5.8	16.9	-19.2	-16.5	-69.5	6.8	-30.5	151.9	191.0	-16.1	16.4	-14.9	1.0
-3.1	2.1	-4.7	-4.4	-1.9	-2.5	2.1	3.0	12.8	4.1	3.0	-1.1	-3.4
-2.7	7.8	-2.0	-2.4	8.4	-8.1	-2.3	0.9	8.8	6.7	3.2	-0.1	-4.7
-2.9	-4.3	-4.6	-6.1	-6.6	6.2	3.1	1.8	14.5	0.6	3.5	-3.1	-2.0
-5.5	3.7	-16.3	-7.9	-35.3	-5.8	32.6	22.2	26.3	6.2	0.7	1.5	-3.0
-4.2	9.3	-13.1	-14.4	-15.1	-3.4	30.5	10.4	8.5	8.7	0.004	4.1	-7.4
-5.0	10.8	-21.9	-32.9	-19.7	-0.4	72.4	12.0	14.4	10.4	4.2	4.2	-8.2
0.9	15.4	-2.1	-6.4	0.2	-1.7	7.1	1.7	2.3	0.01	-4.6	3.6	-5.1
-3.9	-2.5	-0.2	-12.0	-26.4	16.6	16.7	3.8	1.2	23.1	1.2	-0.1	-4.7
-9.3	7.8	-24.3	-2.4	-28.1	-27.4	57.5	33.7	15.4	10.2	-0.8	7.9	-11.2
-6.0	15.5	5.7	-1.8	2.5	2.5	-5.0	-2.8	0.4	5.7	-1.3	1.1	-8.5
-10.4	5.3	30.9	2.6	-1.6	11.9	-2.3	-3.3	0.8	12.4	-6.5	4.9	-13.6
-1.5	6.4	-18.6	-0.1	12.7	-0.4	6.1	-4.0	1.2	3.7	9.8	-1.1	-2.1
6.1	8.0	-4.5	-3.8	21.3	-9.2	4.4	5.0	-2.5	-1.4	-3.5	5.3	-6.7
-5.6	33.1	2.1	-6.9	0.5	-5.0	-16.2	-1.5	-0.6	-2.0	-1.7	-3.0	-6.2
-6.8	2.6	-2.6	-11.9	-24.2	-3.4	26.4	17.7	7.1	5.2	4.0	3.2	-7.1
-6.0	4.5	-10.6	-7.9	-21.6	-0.6	10.6	7.2	12.7	14.4	4.0	4.5	-3.6
-6.0	1.4	-3.0	-19.0	-22.0	-6.6	55.6	26.0	0.9	0.2	1.2	0.3	-8.7
-8.1	2.2	4.2	-9.2	-27.6	-3.2	17.2	17.3	9.8	3.6	6.7	4.8	-8.2
-1.5	3.8	-3.6	-7.0	13.2	-7.1	11.2	6.7	3.2	-4.0	6.3	-8.0	-2.2
-0.7	3.5	-7.5	-6.8	13.6	-5.2	9.6	8.1	3.2	-4.8	7.5	-8.6	-1.1
-10.0	6.0	10.3	-6.8	11.5	-8.3	13.9	2.1	5.2	-1.6	3.0	-5.7	-8.3
0.5	3.9	19.9	-9.3	11.2	-21.5	23.8	0.02	0.6	-0.1	-1.0	-4.6	-5.6
-5.3	13.9	0.2	-14.8	-24.3	6.3	6.9	19.2	23.5	7.3	-5.8	-9.1	-4.9
-3.5	13.3	-1.4	-12.7	-27.6	14.3	4.1	18.5	28.7	7.1	-6.5	-12.4	-3.2
-10.8	18.6	-0.2	-25.6	-3.1	-10.1	19.1	8.0	17.0	8.6	-5.0	-3.3	-10.2
-8.8	7.6	17.4	-7.1	-31.9	-18.3	10.5	35.9	5.6	5.3	0.8	4.8	-8.3
-7.1	22.6	-9.5	-31.7	-2.3	3.6	10.3	30.3	6.1	11.7	-8.1	-1.7	-7.7
-3.6	7.2	2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	1.1	-3.4	-5.3

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

Subsektor Sub-sector	2020	2021	2020		
			Q1	Q2	Q3
1. Makanan, minuman dan tembakau	290,799	297,901	298,423	297,061	296,725
Food, beverages and tobacco					
10 Pembuatan produk makanan Manufacture of food products	273,958	280,751	278,775	280,115	279,731
11 Pembuatan minuman Manufacture of beverages	15,681	15,951	18,029	15,968	15,917
12 Pembuatan produk tembakau Manufacture of tobacco products	1,160	1,199	1,618	979	1,076
2. Tekstil, pakaian, kulit dan kasut	80,451	82,500	96,070	89,289	82,475
Textiles, wearing apparel, leather and footwear					
13 Pembuatan tekstil Manufacture of textiles	26,699	27,738	28,702	27,774	27,185
14 Pembuatan pakaian Manufacture of wearing apparel	41,919	42,474	55,042	49,680	43,653
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	11,833	12,288	12,326	11,835	11,637
3. Produk kayu, perabot, keluaran kertas dan percetakan	284,313	293,945	297,801	282,125	283,806
Wood products, furniture, paper products and printing					
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	91,127	93,465	98,116	92,042	92,660
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	54,294	56,213	57,106	52,828	53,264
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	65,015	67,428	66,434	63,311	63,738
31 Pembuatan perabot Manufacture of furniture	73,877	76,839	76,145	73,944	74,144
4. Petroleum, kimia, getah dan plastik	417,319	420,316	416,293	411,872	417,253
Petroleum, chemical, rubber and plastic					
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	16,623	17,093	18,013	15,901	16,311
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	101,429	101,692	109,437	99,239	101,241
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	23,344	25,092	20,994	23,540	23,751
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	275,924	276,438	267,849	273,192	275,951
5. Produk mineral bukan logam, logam asas dan produk logam yang	368,721	373,358	367,548	363,587	364,654
Non-metallic mineral products, basic metal and fabricated metal					
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103,386	105,600	106,336	104,723	103,767
24 Pembuatan logam asas Manufacture of basic metals	110,682	111,076	111,966	106,670	106,842
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	154,653	156,682	149,246	152,194	154,045
6. Produk elektrik dan elektronik	556,233	585,527	566,600	544,528	549,130
Electrical and electronic products					
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	365,538	390,477	380,739	359,218	360,614
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	98,712	102,080	96,173	94,524	97,196
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	91,983	92,969	89,689	90,785	91,320
7. Kelengkapan pengangkutan dan pembuatan lain	201,360	206,071	214,538	199,681	201,256
Transport equipment and other manufactures					
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	82,994	83,798	90,076	82,161	82,131
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	41,252	41,596	46,205	40,572	41,555
32 Pembuatan lain Other manufacturing	37,138	39,222	37,485	37,519	37,508
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	39,976	41,456	40,771	39,427	40,063
Pembuatan	Jumlah	2,199,195	2,259,619	2,257,273	2,188,142
Manufacturing	Total				2,195,300

2021					2021	2022	2021	
Q4	Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.
290,799	298,808	298,494	299,079	297,901	299,069	302,562	298,703	299,069
273,958	281,281	281,706	281,854	280,751	281,573	284,847	281,478	281,573
15,681	16,115	15,637	16,029	15,951	16,067	16,283	15,982	16,067
1,160	1,412	1,151	1,196	1,199	1,429	1,432	1,243	1,429
80,451	81,540	78,971	78,901	82,500	81,641	83,322	81,176	81,641
26,699	27,384	27,027	27,293	27,738	27,266	27,519	27,248	27,266
41,919	42,142	40,318	39,623	42,474	42,172	43,104	41,906	42,172
11,833	12,015	11,626	11,985	12,288	12,203	12,698	12,023	12,203
284,313	286,710	278,262	287,981	293,945	287,103	296,332	287,317	287,103
91,127	90,158	88,825	93,126	93,465	91,216	93,451	92,009	91,216
54,294	55,320	54,235	54,814	56,213	55,359	57,016	55,040	55,359
65,015	65,618	63,077	62,499	67,428	65,262	67,331	65,218	65,262
73,877	75,614	72,124	77,542	76,839	75,267	78,533	75,049	75,267
417,319	423,964	427,330	422,651	420,316	419,834	420,036	421,190	419,834
16,623	17,207	16,812	17,148	17,093	16,792	17,282	16,790	16,792
101,429	104,975	101,641	101,298	101,692	102,029	102,145	102,157	102,029
23,344	23,420	26,265	26,547	25,092	23,477	24,817	23,328	23,477
275,924	278,363	282,612	277,659	276,438	277,536	275,791	278,915	277,536
368,721	373,885	362,525	365,349	373,358	371,377	374,228	372,810	371,377
103,386	104,197	102,770	103,829	105,600	103,672	104,914	105,335	103,672
110,682	111,732	107,896	106,907	111,076	111,442	112,084	111,859	111,442
154,653	157,956	151,859	154,614	156,682	156,264	157,230	155,617	156,264
556,233	562,623	568,471	573,632	585,527	562,597	589,135	558,994	562,597
365,538	370,468	376,557	381,683	390,477	369,641	391,825	366,945	369,641
98,712	99,658	98,270	100,361	102,080	99,154	102,254	99,564	99,154
91,983	92,497	93,644	91,587	92,969	93,802	95,057	92,485	93,802
201,360	206,014	201,366	203,813	206,071	206,794	210,312	205,506	206,794
82,994	83,226	82,711	83,032	83,798	83,478	85,095	82,939	83,478
41,252	43,092	40,706	41,603	41,596	42,887	43,045	42,799	42,887
37,138	38,583	37,931	38,175	39,222	38,679	39,702	38,315	38,679
39,976	41,113	40,018	41,003	41,456	41,750	42,470	41,454	41,750
2,199,195	2,233,545	2,215,420	2,231,406	2,259,619	2,228,415	2,275,927	2,225,697	2,228,415

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

Subsektor Sub-sector		Mac	Apr.	Mei.
1. Makanan, minuman dan tembakau	Food, beverages and tobacco	298,808	298,788	297,815
10	Pembuatan produk makanan Manufacture of food products	281,281	281,674	280,814
11	Pembuatan minuman Manufacture of beverages	16,115	15,961	15,845
12	Pembuatan produk tembakau Manufacture of tobacco products	1,412	1,153	1,157
2. Tekstil, pakaian, kulit dan kasut	Textiles, wearing apparel, leather and footwear	81,540	81,396	82,235
13	Pembuatan tekstil Manufacture of textiles	27,384	27,394	27,701
14	Pembuatan pakaian Manufacture of wearing apparel	42,142	41,961	42,454
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,015	12,041	12,081
3. Produk kayu, perabot, keluaran kertas dan percetakan	Wood products, furniture, paper products and printing	286,710	285,320	287,642
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting	90,158	90,090	92,622
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	55,320	54,957	54,800
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	65,618	63,679	63,844
31	Pembuatan perabot Manufacture of furniture	75,614	76,594	76,376
4. Petroleum, kimia, getah dan plastik	Petroleum, chemical, rubber and plastic	423,964	430,144	429,402
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	17,207	16,752	16,759
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	104,975	101,455	101,702
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	23,420	26,421	26,220
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	278,363	285,515	284,720
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	Non-metallic mineral products, basic metal and fabricated metal products	373,885	370,742	369,426
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	104,197	104,985	104,777
24	Pembuatan logam asas Manufacture of basic metals	111,732	109,495	108,920
25	Pembuatan produk logam, kecuali mesin dan kelenakapan Manufacture of fabricated metal products, except machinery and equipment	157,956	156,262	155,729
6. Produk elektrik dan elektronik	Electrical and electronic products	562,623	564,163	566,004
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	370,468	372,829	375,037
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	99,658	98,408	98,437
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	92,497	92,927	92,530
7. Kelengkapan pengangkutan dan pembuatan lain	Transport equipment and other manufactures	206,014	204,451	203,935
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	83,226	83,481	83,275
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	43,092	41,382	41,279
32	Pembuatan lain Other manufacturing	38,583	38,532	38,391
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	41,113	41,056	40,989
		2,233,545	2,235,004	2,236,459

2021						2022		
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
298,494	299,752	296,629	299,079	295,243	297,067	297,901	302,519	302,562
281,706	283,017	279,573	281,854	278,286	280,110	280,751	285,122	284,847
15,637	15,622	15,995	16,029	15,759	15,759	15,951	16,109	16,283
1,151	1,113	1,061	1,196	1,198	1,199	1,199	1,288	1,432
78,971	78,312	78,955	78,901	79,049	82,088	82,500	82,795	83,322
27,027	26,862	27,102	27,293	27,385	27,528	27,738	27,610	27,519
40,318	40,022	40,221	39,623	39,428	42,252	42,474	42,686	43,104
11,626	11,428	11,632	11,985	12,235	12,308	12,288	12,500	12,698
278,262	278,370	279,123	287,981	290,663	295,057	293,945	296,297	296,332
88,825	90,985	91,465	93,126	92,979	94,107	93,465	93,872	93,451
54,235	53,891	53,894	54,814	55,655	56,618	56,213	56,584	57,016
63,077	62,788	62,872	62,499	65,050	67,089	67,428	67,482	67,331
72,124	70,706	70,892	77,542	76,979	77,243	76,839	78,359	78,533
427,330	425,522	424,489	422,651	423,687	420,700	420,316	421,546	420,036
16,812	17,135	17,138	17,148	17,060	16,982	17,093	17,035	17,282
101,641	101,485	101,314	101,298	102,528	102,000	101,692	102,342	102,145
26,265	26,471	26,721	26,547	26,387	25,048	25,092	24,691	24,817
282,612	280,431	279,317	277,659	277,712	276,671	276,438	277,478	275,791
362,525	361,387	361,721	365,349	367,597	368,520	373,358	375,795	374,228
102,770	103,244	103,340	103,829	103,844	104,457	105,600	106,663	104,914
107,896	106,276	106,455	106,907	108,292	108,518	111,076	111,920	112,084
151,859	151,867	151,926	154,614	155,460	155,545	156,682	157,212	157,230
568,471	565,537	571,538	573,632	579,226	583,641	585,527	585,997	589,135
376,557	376,207	380,326	381,683	386,599	389,519	390,477	389,778	391,825
98,270	97,652	99,525	100,361	101,075	100,953	102,080	102,398	102,254
93,644	91,679	91,687	91,587	91,552	93,169	92,969	93,820	95,057
201,366	201,204	201,260	203,813	205,584	206,501	206,071	209,197	210,312
82,711	82,206	82,074	83,032	83,593	83,602	83,798	84,390	85,095
40,706	40,630	40,587	41,603	41,959	41,992	41,596	42,840	43,045
37,931	37,994	37,964	38,175	38,422	38,985	39,222	39,437	39,702
40,018	40,374	40,635	41,003	41,610	41,922	41,456	42,529	42,470
2,215,420	2,210,084	2,213,715	2,231,406	2,241,048	2,253,574	2,259,619	2,274,146	2,275,927

Subsektor Sub-sector	2020	2021	2021			
			Q1	Q2	Q3	Q4
1. Makanan, minuman dan tembakau Food, beverages and tobacco	-1.3	2.4	0.1	0.5	0.8	2.4
10 Pembuatan produk makanan <i>Manufacture of food products</i>	-0.5	2.5	0.9	0.6	0.8	2.5
11 Pembuatan minuman <i>Manufacture of beverages</i>	-10.7	1.7	-10.6	-2.1	0.7	1.7
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	-27.4	3.3	-12.8	17.6	11.1	3.3
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	-14.4	2.5	-15.1	-11.6	-4.3	2.5
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-5.8	3.9	-4.6	-2.7	0.4	3.9
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	-21.6	1.3	-23.4	-18.8	-9.2	1.3
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	-2.7	3.8	-2.5	-1.8	3.0	3.8
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	-4.6	3.4	-3.7	-1.4	1.5	3.4
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>	-7.9	2.6	-8.1	-3.5	0.5	2.6
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	-4.8	3.5	-3.1	2.7	2.9	3.5
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	-1.6	3.7	-1.2	-0.4	-1.9	3.7
31 Pembuatan perabot <i>Manufacture of furniture</i>	-2.9	4.0	-0.7	-2.5	4.6	4.0
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	0.8	0.7	1.8	3.8	1.3	0.7
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	-7.2	2.8	-4.5	5.7	5.1	2.8
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	-6.2	0.3	-4.1	2.4	0.1	0.3
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	9.5	7.5	11.6	11.6	11.8	7.5
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	3.4	0.2	3.9	3.4	0.6	0.2
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	0.2	1.3	1.7	-0.3	0.2	1.3
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	-3.4	2.1	-2.0	-1.9	0.1	2.1
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	-0.9	0.4	-0.2	1.1	0.1	0.4
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	3.6	1.3	5.8	-0.2	0.4	1.3
6. Produk elektrik dan elektronik Electrical and electronic products	-1.2	5.3	-0.7	4.4	4.5	5.3
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-2.8	6.8	-2.7	4.8	5.8	6.8
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3.4	3.4	3.6	4.0	3.3	3.4
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	0.9	1.1	3.1	3.1	0.3	1.1
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	-5.2	2.3	-4.0	0.8	1.3	2.3
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-6.9	1.0	-7.6	0.7	1.1	1.0
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	-9.2	0.8	-6.7	0.3	0.1	0.8
32 Pembuatan lain <i>Other manufacturing</i>	1.1	5.6	2.9	1.1	1.8	5.6
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	-2.6	3.7	0.8	1.5	2.3	3.7
Pembuatan Manufacturing	-2.0	2.7	-1.1	1.2	1.6	2.7

(%)															
2021 (Jan. - Feb.)	2022 (Jan. - Feb.)	2021													
Jan.	Feb.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-0.8	1.2	-1.2	-0.8	0.1	1.1	1.2	0.5	1.1	0.1	0.8	1.7	2.3	2.4	1.3	1.2
-0.1	1.2	-0.4	-0.1	0.9	1.2	1.3	0.6	1.3	0.2	0.8	1.7	2.4	2.5	1.3	1.2
-11.4	1.3	-11.5	-11.4	-10.6	-2.5	-1.5	-2.1	-3.6	-1.0	0.7	1.6	1.9	1.7	0.8	1.3
-11.5	0.2	-22.4	-11.5	-12.8	19.4	18.0	17.6	14.7	10.4	11.1	7.5	1.2	3.3	3.6	0.2
-16.1	2.1	-16.4	-16.1	-15.1	-8.6	-8.9	-11.6	-8.3	-3.8	-4.3	-2.9	1.8	2.5	2.0	2.1
-7.6	0.9	-7.7	-7.6	-4.6	1.0	0.3	-2.7	-1.6	-1.3	0.4	1.3	2.4	3.9	1.3	0.9
-23.6	2.2	-24.1	-23.6	-23.4	-16.3	-16.4	-18.8	-13.9	-6.7	-9.2	-7.6	0.7	1.3	1.9	2.2
-3.1	4.1	-2.6	-3.1	-2.5	2.1	1.9	-1.8	-1.9	0.8	3.0	4.9	4.5	3.8	4.0	4.1
-5.2	3.2	-5.4	-5.2	-3.7	3.8	2.9	-1.4	-1.7	-1.2	1.5	2.7	3.7	3.4	3.1	3.2
-9.8	2.5	-9.5	-9.8	-8.1	1.5	1.2	-3.5	-1.3	-0.3	0.5	2.4	3.0	2.6	2.0	2.5
-4.0	3.0	-4.7	-4.0	-3.1	5.0	4.5	2.7	2.1	2.2	2.9	3.0	4.9	3.5	2.8	3.0
-3.8	3.2	-4.5	-3.8	-1.2	3.9	3.4	-0.4	-2.1	-1.8	-1.9	0.9	2.8	3.7	3.5	3.2
-1.1	4.3	-1.3	-1.1	-0.7	5.8	3.6	-2.5	-4.4	-4.1	4.6	4.5	4.7	4.0	4.4	4.3
0.4	0.0	0.3	0.4	1.8	5.3	4.5	3.8	2.5	1.8	1.3	1.6	0.8	0.7	0.1	0.05
-7.1	2.9	-7.3	-7.1	-4.5	2.7	5.1	5.7	5.1	5.2	5.1	3.8	3.4	2.8	1.5	2.9
-7.6	0.1	-8.1	-7.6	-4.1	2.9	2.7	2.4	0.6	0.1	0.1	1.7	0.4	0.3	0.2	0.1
10.7	5.7	9.7	10.7	11.6	13.2	12.0	11.6	12.4	12.7	11.8	12.1	7.0	7.5	5.8	5.7
3.4	-0.6	3.5	3.4	3.9	5.7	4.5	3.4	2.2	1.3	0.6	0.5	0.3	0.2	-0.5	-0.6
0.003	0.8	0.3	0.0	1.7	3.4	2.5	-0.3	-0.8	-0.8	0.2	0.8	0.8	1.3	0.8	0.8
-3.5	1.2	-3.3	-3.5	-2.0	1.0	0.9	-1.9	-0.5	-0.4	0.1	0.6	0.4	2.1	1.3	1.2
-1.5	0.6	-0.8	-1.5	-0.2	2.2	1.6	1.1	0.2	-0.1	0.1	0.5	1.0	0.4	0.1	0.6
3.6	0.6	3.8	3.6	5.8	6.0	4.3	-0.2	-1.8	-1.4	0.4	1.2	1.0	1.3	1.0	0.6
-1.3	4.7	-1.7	-1.3	-0.7	4.2	4.7	4.4	3.4	4.3	4.5	4.9	5.0	5.3	4.8	4.7
-3.0	6.0	-3.6	-3.0	-2.7	4.0	4.8	4.8	4.3	5.5	5.8	6.4	6.7	6.8	6.2	6.0
2.5	3.1	3.1	2.5	3.6	4.9	5.2	4.0	2.5	3.2	3.3	2.7	2.1	3.4	2.8	3.1
1.6	1.3	1.5	1.6	3.1	4.2	3.5	3.1	0.9	1.0	0.3	1.2	1.5	1.1	1.4	1.3
-4.7	1.7	-5.6	-4.7	-4.0	1.3	2.3	0.8	0.1	0.2	1.3	2.6	2.5	2.3	1.8	1.7
-7.8	1.9	-8.4	-7.8	-7.6	0.2	2.5	0.7	-0.1	-0.2	1.1	2.0	1.0	1.0	1.8	1.9
-8.0	0.4	-8.8	-8.0	-6.7	0.9	0.4	0.3	-2.2	-1.9	0.1	1.6	1.3	0.8	0.1	0.4
2.6	2.6	1.4	2.6	2.9	4.0	2.9	1.1	1.7	1.7	1.8	3.3	4.8	5.6	2.9	2.6
-0.6	1.7	-2.4	-0.6	0.8	1.7	3.4	1.5	1.3	1.9	2.3	4.2	4.8	3.7	2.6	1.7
-2.2	2.1	-2.4	-2.2	-1.1	3.0	2.8	1.2	0.8	1.0	1.6	2.4	2.6	2.7	2.2	2.1

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

Subsektor Sub-sector	2021					
	Q1	Q2	Q3	Q4	Jan.	
1. Makanan, minuman dan tembakau	2.8	-0.1	0.2	-0.4	2.7	
Food, beverages and tobacco						
10 Pembuatan produk makanan Manufacture of food products	2.7	0.2	0.1	-0.4	2.7	
11 Pembuatan minuman Manufacture of beverages	2.8	-3.0	2.5	-0.5	1.9	
12 Pembuatan produk tembakau Manufacture of tobacco products	21.7	-18.5	3.9	0.2	7.2	
2. Tekstil, pakaian, kulit dan kasut	1.4	-3.2	-0.1	4.6	0.9	
Textiles, wearing apparel, leather and footwear						
13 Pembuatan tekstil Manufacture of textiles	2.6	-1.3	1.0	1.6	2.1	
14 Pembuatan pakaian Manufacture of wearing apparel	0.5	-4.3	-1.7	7.2	-0.03	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	1.5	-3.2	3.1	2.5	1.6	
3. Produk kayu, perabot, keluaran kertas dan percetakan	0.8	-2.9	3.5	2.1	1.1	
Wood products, furniture, paper products and printing						
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-1.1	-1.5	4.8	0.4	1.0	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	1.9	-2.0	1.1	2.6	1.4	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	0.9	-3.9	-0.9	7.9	0.3	
31 Pembuatan perabot Manufacture of furniture	2.4	-4.6	7.5	-0.9	1.6	
4. Petroleum, kimia, getah dan plastik	1.6	0.8	-1.1	-0.6	0.9	
Petroleum, chemical, rubber and plastic						
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	3.5	-2.3	2.0	-0.3	1.0	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	3.5	-3.2	-0.3	0.4	0.7	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	0.3	12.1	1.1	-5.5	-0.1	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	0.9	1.5	-1.8	-0.4	1.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	1.4	-3.0	0.8	2.2	1.1	
Non-metallic mineral products, basic metal and fabricated metal products						
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	0.8	-1.4	1.0	1.7	1.9	
24 Pembuatan logam asas Manufacture of basic metals	0.9	-3.4	-0.9	3.9	1.1	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	2.1	-3.9	1.8	1.3	0.6	
6. Produk elektrik dan elektronik	1.1	1.0	0.9	2.1	0.5	
Electrical and electronic products						
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	1.3	1.6	1.4	2.3	0.4	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	1.0	-1.4	2.1	1.7	0.9	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	0.6	1.2	-2.2	1.5	0.5	
7. Kelengkapan pengangkutan dan pembuatan lain	2.3	-2.3	1.2	1.1	2.1	
Transport equipment and other manufactures						
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	0.3	-0.6	0.4	0.9	-0.1	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	4.5	-5.5	2.2	-0.02	3.7	
32 Pembuatan lain Other manufacturing	3.9	-1.7	0.6	2.7	3.2	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	2.8	-2.7	2.5	1.1	3.7	
Pembuatan	Jumlah	1.6	-0.8	0.7	1.3	1.2
Manufacturing	Total					

												(%)
2021						2022						
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
0.1	-0.1	-0.01	-0.3	0.2	0.4	-1.0	0.8	-1.3	0.6	0.3	1.6	0.0
0.03	-0.1	0.1	-0.3	0.3	0.5	-1.2	0.8	-1.3	0.7	0.2	1.6	-0.1
0.5	0.3	-1.0	-0.7	-1.3	-0.1	2.4	0.2	-1.7	-0.004	1.2	1.0	1.1
14.9	-1.2	-18.4	0.3	-0.5	-3.3	-4.7	12.7	0.2	0.1	-0.03	7.5	11.1
0.6	-0.1	-0.2	1.0	-4.0	-0.8	0.8	-0.1	0.2	3.8	0.5	0.4	0.6
0.1	0.4	0.04	1.1	-2.4	-0.6	0.9	0.7	0.3	0.5	0.8	-0.5	-0.3
0.6	-0.1	-0.4	1.2	-5.0	-0.7	0.5	-1.5	-0.5	7.2	0.5	0.5	1.0
1.5	-1.5	0.2	0.3	-3.8	-1.7	1.8	3.0	2.1	0.6	-0.2	1.7	1.6
-0.1	-0.1	-0.5	0.8	-3.3	0.04	0.3	3.2	0.9	1.5	-0.4	0.8	0.01
-0.9	-1.2	-0.1	2.8	-4.1	2.4	0.5	1.8	-0.2	1.2	-0.7	0.4	-0.4
0.6	-0.1	-0.7	-0.3	-1.0	-0.6	0.01	1.7	1.5	1.7	-0.7	0.7	0.8
0.1	0.5	-3.0	0.3	-1.2	-0.5	0.1	-0.6	4.1	3.1	0.5	0.1	-0.2
0.3	0.5	1.3	-0.3	-5.6	-2.0	0.3	9.4	-0.7	0.3	-0.5	2.0	0.2
-0.3	1.0	1.5	-0.2	-0.5	-0.4	-0.2	-0.4	0.2	-0.7	-0.1	0.3	-0.4
0.02	2.5	-2.6	0.04	0.3	1.9	0.02	0.1	-0.5	-0.5	0.7	-0.3	1.5
-0.1	2.9	-3.4	0.2	-0.1	-0.2	-0.2	-0.02	1.2	-0.5	-0.3	0.6	-0.2
0.6	-0.2	12.8	-0.8	0.2	0.8	0.9	-0.7	-0.6	-5.1	0.2	-1.6	0.5
-0.5	0.3	2.6	-0.3	-0.7	-0.8	-0.4	-0.6	0.02	-0.4	-0.1	0.4	-0.6
-0.4	0.7	-0.8	-0.4	-1.9	-0.3	0.1	1.0	0.6	0.3	1.3	0.7	-0.4
-1.6	0.5	0.8	-0.2	-1.9	0.5	0.1	0.5	0.01	0.6	1.1	1.0	-1.6
-0.4	0.3	-2.0	-0.5	-0.9	-1.5	0.2	0.4	1.3	0.2	2.4	0.8	0.1
0.4	1.1	-1.1	-0.3	-2.5	0.01	0.04	1.8	0.5	0.1	0.7	0.3	0.0
0.6	0.0	0.3	0.3	0.4	-0.5	1.1	0.4	1.0	0.8	0.3	0.1	0.5
0.7	0.2	0.6	0.6	0.4	-0.1	1.1	0.4	1.3	0.8	0.2	-0.2	0.5
-0.4	0.5	-1.3	0.03	-0.2	-0.6	1.9	0.8	0.7	-0.1	1.1	0.3	-0.1
1.4	-1.4	0.5	-0.4	1.2	-2.1	0.01	-0.1	-0.04	1.8	-0.2	0.9	1.3
0.6	-0.4	-0.8	-0.3	-1.3	-0.1	0.03	1.3	0.9	0.4	-0.2	1.5	0.5
0.7	-0.3	0.3	-0.2	-0.7	-0.6	-0.2	1.2	0.7	0.01	0.2	0.7	0.8
0.2	0.5	-4.0	-0.2	-1.4	-0.2	-0.1	2.5	0.9	0.1	-0.9	3.0	0.5
0.9	-0.2	-0.1	-0.4	-1.2	0.2	-0.1	0.6	0.6	1.5	0.6	0.5	0.7
0.7	-1.5	-0.1	-0.2	-2.4	0.9	0.6	0.9	1.5	0.8	-1.1	2.6	-0.1
0.1	0.2	0.1	0.1	-0.9	-0.2	0.2	0.8	0.4	0.6	0.3	0.6	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	2020	2021	2020						
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	10,125	10,343	2,616	2,500	2,487	2,521	2,559	2,564	
10 Pembuatan produk makanan Manufacture of food products	9,525	9,773	2,439	2,367	2,350	2,369	2,411	2,429	
11 Pembuatan minuman Manufacture of beverages	537	508	157	121	123	135	131	121	
12 Pembuatan produk tembakau Manufacture of tobacco products	63	62	21	12	14	17	17	14	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	1,996	1,827	567	475	475	479	466	443	
13 Pembuatan tekstil Manufacture of textiles	661	657	172	156	166	166	163	162	
14 Pembuatan pakaian Manufacture of wearing apparel	1,023	862	305	249	235	234	223	207	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	312	308	90	69	74	79	79	75	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	8,965	9,057	2,353	2,147	2,228	2,237	2,286	2,215	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	2,424	2,461	643	571	609	601	605	586	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	2,003	2,018	530	487	491	496	505	502	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	2,170	2,153	583	537	521	529	559	549	
31 Pembuatan perabot Manufacture of furniture	2,368	2,425	597	553	607	612	617	578	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	19,409	20,344	4,835	4,680	4,888	5,007	5,017	5,121	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	2,282	2,326	637	491	537	617	617	522	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	5,668	5,677	1,599	1,314	1,361	1,394	1,462	1,388	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	631	717	144	157	161	169	165	180	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	10,828	11,623	2,455	2,718	2,829	2,827	2,772	3,030	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	13,579	13,860	3,535	3,246	3,342	3,455	3,525	3,393	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	4,270	4,340	1,117	1,036	1,044	1,073	1,079	1,088	
24 Pembuatan logam asas Manufacture of basic metals	3,989	4,048	1,084	947	960	998	1,043	986	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	5,320	5,473	1,334	1,264	1,339	1,384	1,403	1,319	
6. Produk elektrik dan elektronik Electrical and electronic products	26,201	27,409	6,941	6,229	6,341	6,690	6,957	6,691	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	18,284	19,284	4,933	4,363	4,369	4,618	4,871	4,742	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	3,750	3,832	945	884	942	980	976	910	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	4,167	4,292	1,063	982	1,029	1,092	1,110	1,039	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	6,920	6,992	1,880	1,630	1,659	1,750	1,776	1,734	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	3,418	3,411	938	798	815	867	865	858	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	1,101	1,095	317	256	261	267	288	277	
32 Pembuatan lain Other manufacturing	1,161	1,226	290	280	290	300	302	291	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	1,240	1,260	335	296	293	316	322	309	
Pembuatan Manufacturing	Jumlah Total	87,194	89,830	22,728	20,906	21,420	22,139	22,584	22,162

(RM Juta/Million)																	
2021		2021	2022	2021										2022			
Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
2,555	2,665	1,701	1,797	853	848	858	863	858	843	857	828	871	869	872	923	903	894
2,422	2,512	1,601	1,696	803	798	810	816	813	800	814	784	823	822	822	868	853	843
120	136	89	89	44	44	42	43	40	38	38	39	43	43	45	48	44	45
14	17	11	11	5	6	6	5	5	5	5	4	5	5	5	7	5	6
437	481	313	323	160	153	153	152	153	138	143	146	147	150	160	171	165	158
161	171	109	112	55	54	54	54	55	53	53	54	54	55	57	59	56	55
204	229	151	156	78	72	72	72	73	61	68	68	68	68	76	85	81	75
72	81	53	55	27	26	26	26	25	24	22	24	25	27	27	28	28	27
2,204	2,353	1,528	1,606	770	757	758	746	746	722	718	725	761	767	777	809	810	796
616	654	405	437	205	201	199	198	197	191	199	202	215	216	217	222	220	216
495	517	334	350	167	167	171	170	166	166	162	163	170	171	173	173	173	177
507	538	373	379	191	182	186	183	187	179	172	172	162	167	175	196	194	185
586	643	416	441	208	207	201	194	197	187	185	187	214	213	213	218	222	218
5,104	5,101	3,292	3,329	1,656	1,636	1,724	1,670	1,698	1,753	1,692	1,701	1,711	1,693	1,653	1,755	1,675	1,654
565	621	392	397	199	193	225	169	168	185	181	180	205	204	194	223	199	198
1,398	1,429	962	977	479	483	500	465	450	474	467	462	469	463	462	505	488	489
183	189	110	121	55	55	55	62	59	59	60	62	61	62	59	68	61	60
2,958	2,863	1,828	1,835	923	905	944	974	1,022	1,035	985	997	976	965	939	959	927	908
3,334	3,608	2,350	2,440	1,188	1,162	1,174	1,142	1,149	1,101	1,088	1,087	1,159	1,169	1,181	1,258	1,237	1,203
1,055	1,118	714	744	361	353	365	365	371	351	349	346	360	364	370	384	377	367
959	1,059	692	733	350	342	352	333	331	322	310	313	336	340	341	378	370	363
1,320	1,431	945	963	477	468	458	444	447	428	429	429	462	466	470	495	490	473
6,606	7,155	4,701	4,963	2,342	2,359	2,255	2,211	2,233	2,247	2,154	2,196	2,256	2,288	2,295	2,572	2,473	2,490
4,623	5,049	3,277	3,520	1,625	1,653	1,593	1,582	1,572	1,588	1,505	1,532	1,586	1,610	1,614	1,825	1,745	1,774
952	994	667	674	339	327	310	280	312	318	313	319	320	322	320	352	342	333
1,032	1,112	757	769	379	379	352	349	349	340	336	345	350	355	361	395	386	383
1,664	1,817	1,185	1,212	588	597	592	600	578	556	542	548	573	587	597	633	603	610
803	885	582	585	287	294	283	298	285	275	260	264	279	284	288	314	289	296
259	271	187	187	92	94	101	96	94	87	86	85	89	90	91	90	92	95
303	330	202	219	101	102	99	97	96	98	98	101	104	105	106	119	110	109
298	330	214	221	107	107	108	109	103	97	99	99	101	107	112	111	111	110
21,904	23,180	15,070	15,671	7,558	7,512	7,514	7,386	7,416	7,360	7,195	7,231	7,479	7,523	7,536	8,122	7,865	7,805

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	2020	2021	2021				
			Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau	1.2	2.2	-2.2	2.6	2.7	5.7	
Food, beverages and tobacco							
10 Pembuatan produk makanan Manufacture of food products	2.3	2.6	-1.1	2.6	3.0	6.0	
11 Pembuatan minuman Manufacture of beverages	-12.5	-5.4	-16.6	-0.05	-2.8	0.5	
12 Pembuatan produk tembakau Manufacture of tobacco products	-27.6	-2.4	-18.7	16.7	1.7	0.4	
2. Tekstil, pakaian, kulit dan kasut	-12.0	-8.5	-17.9	-6.6	-8.0	0.4	
Textiles, wearing apparel, leather and footwear							
13 Pembuatan tekstil Manufacture of textiles	-2.9	-0.6	-4.9	3.3	-3.4	2.9	
14 Pembuatan pakaian Manufacture of wearing apparel	-17.0	-15.7	-26.8	-17.0	-13.1	-2.3	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-12.1	-1.5	-12.3	8.2	-2.5	3.2	
3. Produk kayu, perabot, keluaran kertas dan percetakan	-2.7	1.0	-2.8	3.2	-1.1	5.1	
Wood products, furniture, paper products and printing							
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-3.7	1.5	-6.0	2.6	1.2	8.8	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-5.8	0.7	-4.7	3.1	0.7	4.3	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-2.8	-0.8	-4.1	2.3	-2.8	1.8	
31 Pembuatan perabot Manufacture of furniture	1.2	2.4	3.4	4.6	-3.3	5.2	
4. Petroleum, kimia, getah dan plastik	1.3	4.8	3.8	9.4	4.4	1.9	
Petroleum, chemical, rubber and plastic							
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-4.4	1.9	-3.1	6.4	5.2	0.6	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	-8.4	0.2	-8.5	5.6	2.7	2.5	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	9.5	13.7	14.6	14.8	13.9	11.9	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	8.2	7.3	12.9	11.5	4.6	1.3	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	-1.8	2.1	-0.3	4.5	-0.2	4.4	
Non-metallic mineral products, basic metal and fabricated metal products							
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-1.6	1.6	-3.5	5.1	1.1	4.1	
24 Pembuatan logam asas Manufacture of basic metals	-7.6	1.5	-3.8	4.2	-0.1	6.2	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	2.7	2.9	5.2	4.3	-1.4	3.4	
6. Produk elektrik dan elektronik	-0.2	4.6	0.2	7.4	4.2	6.9	
Electrical and electronic products							
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-0.6	5.5	-1.3	8.7	5.8	9.3	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	2.9	2.2	3.3	3.0	1.1	1.5	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-1.2	3.0	4.4	5.8	0.2	1.8	
7. Kelengkapan pengangkutan dan pembuatan lain	-7.4	1.0	-5.5	6.4	0.3	3.9	
Transport equipment and other manufactures							
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-9.0	-0.2	-7.8	7.5	-1.5	2.1	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-12.7	-0.5	-9.1	7.9	-0.5	1.6	
32 Pembuatan lain Other manufacturing	3.9	5.6	3.9	3.7	4.6	9.9	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-7.2	1.6	-3.9	4.4	1.7	4.7	
Pembuatan	Jumlah Total	-1.1	3.0	-0.6	6.0	2.3	4.7

															(%)
2021	2022	2021												2022	
(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-3.5	5.6	-3.6	-3.3	0.5	2.5	2.6	2.5	4.0	0.3	3.9	5.4	5.8	5.9	5.9	5.4
-2.4	5.9	-2.6	-2.3	1.5	2.6	2.7	2.6	4.5	0.5	4.1	5.7	6.1	6.3	6.2	5.6
-17.8	1.0	-18.1	-17.6	-14.0	-0.1	0.2	-0.2	-5.6	-3.2	0.4	0.6	0.8	0.1	-0.04	2.0
-18.8	1.1	-20.5	-17.1	-18.7	17.9	17.6	14.5	2.3	1.2	1.5	0.2	0.1	0.9	1.3	0.9
-18.0	3.0	-18.0	-17.9	-17.7	0.5	-4.2	-15.5	-11.2	-6.5	-6.4	-4.6	2.6	2.9	2.8	3.2
-5.5	2.2	-6.8	-4.2	-3.7	10.5	4.9	-4.4	-4.3	-3.4	-2.4	0.5	3.8	4.4	2.4	2.0
-26.6	3.5	-25.9	-27.3	-27.2	-9.9	-14.8	-26.1	-16.3	-10.8	-11.9	-11.0	1.5	2.1	3.1	3.8
-12.4	3.4	-11.9	-12.8	-12.2	16.0	15.2	-5.1	-9.9	0.2	2.1	3.7	3.5	2.5	2.8	4.0
-3.2	5.1	-3.2	-3.2	-2.1	8.0	3.8	-2.1	-3.7	-2.2	2.6	4.0	6.0	5.4	5.1	5.2
-6.6	7.8	-5.6	-7.6	-4.6	9.2	3.4	-4.1	-2.3	0.9	4.9	7.4	9.9	9.0	7.6	7.9
-4.9	5.0	-5.0	-4.8	-4.3	5.5	3.1	0.8	-0.8	0.5	2.3	3.2	5.5	4.2	4.0	5.9
-4.6	1.5	-5.5	-3.6	-3.2	4.0	3.2	-0.4	-2.9	-2.5	-2.9	0.4	2.2	2.6	1.6	1.3
3.3	5.9	3.2	3.4	3.6	13.4	5.5	-3.9	-8.2	-7.1	5.2	4.4	5.7	5.4	6.7	5.2
3.2	1.1	3.0	3.3	4.9	11.4	9.1	8.0	5.8	4.7	2.9	2.9	1.5	1.3	1.1	1.1
-3.7	1.3	-4.9	-2.4	-2.1	3.9	5.8	9.5	5.3	5.4	4.9	1.0	0.6	0.4	0.2	2.5
-9.2	1.5	-9.8	-8.7	-7.1	7.8	5.1	4.1	3.5	2.9	1.7	3.8	2.0	1.8	1.8	1.3
14.2	9.2	13.9	14.6	15.3	15.7	15.3	13.3	13.4	14.6	13.6	15.1	9.9	10.8	10.5	7.8
12.3	0.4	12.7	11.9	14.1	14.3	11.2	9.3	6.5	4.8	2.5	2.3	1.0	0.6	0.4	0.3
-1.2	3.8	-0.3	-2.1	1.6	9.4	5.0	-0.5	-2.4	-2.2	3.9	4.7	3.9	4.7	4.1	3.5
-4.6	4.2	-3.8	-5.3	-1.2	9.8	6.5	-0.7	-0.5	0.1	3.8	4.6	2.4	5.4	4.6	3.9
-5.5	6.0	-5.2	-5.8	-0.2	8.9	3.6	0.2	-2.5	-2.5	4.6	5.6	6.9	6.1	5.7	6.2
5.0	1.9	6.6	3.5	5.5	9.3	4.8	-0.8	-3.9	-3.8	3.5	4.1	3.0	3.1	2.6	1.3
-0.1	5.6	-0.6	0.3	1.0	8.0	7.7	6.5	2.7	4.5	5.3	5.7	7.3	7.7	5.6	5.5
-1.8	7.4	-2.7	-0.8	-0.2	8.5	8.6	9.0	4.4	5.9	7.1	7.7	9.6	10.5	7.4	7.3
3.6	1.2	5.6	1.6	2.8	3.4	3.6	2.0	0.1	1.2	2.0	1.6	1.0	1.8	0.8	1.6
4.0	1.6	3.9	4.0	5.2	10.0	7.6	0.03	-1.9	1.7	0.8	1.1	3.2	1.2	2.0	1.1
-6.8	2.3	-7.0	-6.6	-2.9	9.1	9.2	0.9	-1.0	-0.7	2.4	4.5	4.4	2.7	2.5	2.2
-8.5	0.5	-8.7	-8.3	-6.5	10.4	11.6	0.9	-2.4	-2.9	0.6	3.5	2.8	0.3	0.5	0.6
-12.3	0.4	-12.7	-12.0	-2.5	13.2	9.7	0.8	-1.7	-1.4	1.5	3.3	1.2	0.2	0.002	0.7
3.7	8.3	3.6	3.7	4.3	5.9	4.4	1.0	2.2	4.4	7.2	9.4	9.8	10.5	9.4	7.2
-5.9	3.5	-6.2	-5.5	0.2	5.0	7.1	1.1	0.4	1.1	3.7	3.7	6.5	3.9	3.6	3.3
-1.3	4.0	-1.4	-1.3	0.8	8.2	6.4	3.5	1.5	1.7	3.6	4.4	4.8	4.9	4.1	3.9

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

Subsektor Sub-sector	2021					
	Q1	Q2	Q3	Q4	Jan.	
1. Makanan, minuman dan tembakau	1.5	0.2	-0.3	4.3	-2.1	
Food, beverages and tobacco						
10 Pembuatan produk makanan Manufacture of food products	1.8	0.7	-0.3	3.7	-1.7	
11 Pembuatan minuman Manufacture of beverages	-3.0	-7.3	-1.1	12.9	-7.0	
12 Pembuatan produk tembakau Manufacture of tobacco products	-0.1	-15.7	-1.5	21.1	-16.7	
2. Tekstil, pakaian, kulit dan kasut	-2.7	-4.9	-1.5	10.2	-3.3	
Textiles, wearing apparel, leather and footwear						
13 Pembuatan tekstil Manufacture of textiles	-1.6	-1.1	-0.5	6.2	-2.1	
14 Pembuatan pakaian Manufacture of wearing apparel	-4.6	-7.5	-1.3	12.1	-5.3	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	0.6	-5.4	-4.4	13.5	0.5	
3. Produk kayu, perabot, keluaran kertas dan percetakan	2.2	-3.1	-0.5	6.8	0.4	
Wood products, furniture, paper products and printing						
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	0.6	-3.1	5.2	6.1	0.7	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	1.8	-0.6	-1.4	4.6	0.2	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	5.8	-1.9	-7.7	6.2	-0.3	
31 Pembuatan perabot Manufacture of furniture	0.9	-6.3	1.4	9.7	0.9	
4. Petroleum, kimia, getah dan plastik	0.2	2.1	-0.3	-0.1	-4.4	
Petroleum, chemical, rubber and plastic						
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-0.03	-15.4	8.2	9.9	-10.6	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	4.9	-5.0	0.7	2.2	-3.4	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	-1.9	8.9	1.7	3.0	-10.1	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	-1.9	9.3	-2.4	-3.2	-3.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	2.0	-3.7	-1.7	8.2	-1.2	
Non-metallic mineral products, basic metal and fabricated metal products						
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	0.5	0.9	-3.0	5.9	-1.1	
24 Pembuatan logam asas Manufacture of basic metals	4.6	-5.5	-2.7	10.5	-1.9	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	1.3	-6.0	0.1	8.4	-0.7	
6. Produk elektrik dan elektronik	4.0	-3.8	-1.3	8.3	-1.9	
Electrical and electronic products						
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	5.5	-2.6	-2.5	9.2	-1.6	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-0.4	-6.8	4.6	4.4	-2.0	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	1.6	-6.4	-0.7	7.8	-3.0	
7. Kelengkapan pengangkutan dan pembuatan lain	1.5	-2.4	-4.1	9.2	-4.7	
Transport equipment and other manufactures						
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-0.2	-0.8	-6.4	10.3	-8.1	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	7.8	-3.9	-6.2	4.6	2.7	
32 Pembuatan lain Other manufacturing	0.4	-3.6	4.2	8.9	-6.2	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	2.0	-4.0	-3.5	10.8	0.5	
Pembuatan	Jumlah Total	2.0	-1.9	-1.2	5.8	-2.4

												(%)
2021						2022						
Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.
-0.6	1.2	0.7	-0.6	-1.8	1.7	-3.3	5.1	-0.1	0.3	5.8	-2.2	-1.0
-0.6	1.5	0.7	-0.3	-1.7	1.8	-3.7	4.9	-0.1	0.1	5.6	-1.8	-1.2
-0.9	-4.0	1.4	-6.6	-4.1	-1.0	3.3	8.9	-0.3	5.6	6.5	-7.2	1.1
7.1	-4.4	-14.0	0.3	-4.2	-0.1	-3.4	11.1	4.4	0.4	27.3	-16.4	6.7
-4.7	-0.1	-0.4	0.8	-10.2	4.1	1.5	1.2	1.6	6.9	6.5	-3.4	-4.3
-1.2	-0.2	-0.9	2.6	-4.0	0.7	0.6	0.9	2.5	2.6	3.1	-3.9	-1.7
-7.7	0.02	0.04	0.5	-15.8	11.2	-0.4	0.2	-0.4	12.7	10.9	-4.4	-7.0
-2.9	-0.3	-0.4	-2.2	-7.3	-6.5	9.8	5.1	5.2	1.3	1.5	0.9	-1.8
-1.7	0.1	-1.6	0.01	-3.2	-0.6	1.0	5.0	0.7	1.3	4.1	0.1	-1.6
-2.0	-0.6	-0.7	-0.6	-3.3	4.5	1.3	6.5	0.3	0.4	2.3	-0.6	-1.7
0.2	2.6	-0.8	-2.5	0.0	-2.5	1.1	3.8	0.9	1.1	0.2	-0.05	2.1
-4.4	2.3	-1.6	1.8	-4.3	-3.9	0.4	-5.8	3.0	4.4	12.4	-1.2	-4.7
-0.5	-3.1	-3.3	1.1	-4.7	-1.2	1.0	14.4	-0.7	0.1	2.4	2.1	-1.9
-1.2	5.4	-3.1	1.7	3.2	-3.5	0.5	0.6	-1.0	-2.4	6.1	-4.6	-1.2
-2.9	16.6	-24.9	-0.8	10.5	-2.6	-0.6	14.3	-0.6	-4.8	15.1	-10.8	-0.7
0.9	3.5	-6.9	-3.4	5.3	-1.4	-1.1	1.5	-1.4	-0.2	9.4	-3.4	0.3
0.2	-0.4	12.6	-4.7	0.2	1.5	3.4	-1.7	1.7	-5.6	15.9	-10.3	-2.3
-2.0	4.4	3.1	5.0	1.3	-4.8	1.2	-2.1	-1.2	-2.7	2.1	-3.3	-2.1
-2.1	1.0	-2.7	0.6	-4.2	-1.2	-0.04	6.6	0.9	1.0	6.6	-1.7	-2.7
-2.1	3.3	0.2	1.7	-5.4	-0.7	-0.8	4.1	0.9	1.7	4.0	-1.9	-2.8
-2.2	2.9	-5.3	-0.6	-2.9	-3.7	1.0	7.6	1.0	0.5	10.8	-2.2	-1.8
-2.0	-2.0	-3.1	0.6	-4.2	0.3	-0.2	7.9	0.8	0.8	5.4	-1.2	-3.3
0.7	-4.4	-1.9	1.0	0.6	-4.1	1.9	2.7	1.4	0.3	12.1	-3.9	0.7
1.7	-3.6	-0.7	-0.6	1.0	-5.3	1.8	3.5	1.5	0.2	13.1	-4.3	1.7
-3.5	-5.4	-9.6	11.4	2.0	-1.6	1.8	0.4	0.7	-0.7	10.2	-3.0	-2.7
-0.01	-6.9	-0.8	-0.1	-2.5	-1.2	2.5	1.6	1.4	1.7	9.4	-2.3	-0.9
1.5	-0.9	1.5	-3.8	-3.6	-2.6	1.1	4.6	2.4	1.8	6.1	-4.9	1.2
2.4	-3.8	5.2	-4.5	-3.4	-5.6	1.8	5.8	1.6	1.4	8.9	-7.9	2.5
2.3	7.1	-4.9	-2.6	-7.4	-1.2	-1.3	5.3	1.1	1.0	-1.1	2.5	3.0
0.7	-2.3	-2.5	-0.6	1.8	0.4	2.4	3.5	1.1	0.9	11.8	-7.1	-1.3
-0.7	1.4	1.1	-5.7	-6.0	1.9	0.2	1.7	6.8	4.2	-0.9	0.2	-1.1
-0.6	0.03	-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	7.8	-3.2	-0.8

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
101	Pemprosesan dan pengawetan daging	7,249	7,877	1,415	2,020	1,933	1,882	1,849
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	6,230	6,281	1,607	1,322	1,663	1,637	1,678
	10201 Pengetinan ikan, krustasea dan moluska							
	&							
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,934	5,970	1,526	1,262	1,580	1,567	1,597
	Industri lain	295	311	81	60	83	71	81
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,799	1,779	402	410	508	479	521
	10303 Pengetinan nanas	347	364	114	78	74	82	118
	&							
	10304 Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	1,452	1,415	288	332	434	398	403
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	147,991	168,492	27,246	40,100	40,568	40,076	30,600
	10404 Pembuatan minyak sayuran mentah dan bertapis	13,747	17,088	3,340	3,110	3,472	3,825	3,785
	&							
	10406 Pembuatan sebatian lemak masakan							
	10405 Pembuatan minyak kelapa	1,220	1,143	311	249	305	355	345
	Industri lain	133,024	150,261	23,595	36,740	36,792	35,896	26,470
105	Pembuatan produk tenusu	10,056	10,805	2,491	2,387	2,636	2,542	2,585
	10502 Pembuatan susu pekat, tepung dan sejat	9,330	10,000	2,315	2,226	2,450	2,338	2,371
	Industri lain	726	805	176	160	186	204	214
106	Pembuatan produk bijian, kanji dan produk berkanji	7,342	8,695	1,947	1,838	1,776	1,782	2,021
	10611 Pengilangan beras	3,207	3,920	879	870	745	714	787
	10613 Pengilangan tepung	3,811	4,453	981	887	954	989	1,150
	Industri lain	324	322	87	81	77	79	84
107	Pembuatan produk makanan lain	47,410	53,256	11,015	11,950	12,182	12,262	13,437
	10711 Pembuatan biskut dan cookies	2,140	2,234	494	486	549	612	567
	10712 Pembuatan roti, kek dan produk bakeri lain	11,633	12,375	2,360	3,256	3,228	2,788	3,204
	10713 Pembuatan produk snek	2,385	2,342	608	604	584	589	586
	10721 Pembuatan gula	4,585	5,502	1,271	1,043	1,069	1,203	1,385
	10731 Pembuatan produk koko	3,697	3,401	943	923	890	941	926
	10732 Pembuatan coklat dan produk coklat							
	&							
	10733 Pembuatan konfeksi gula	10,041	12,588	2,090	2,496	2,632	2,823	3,111
	10793 Pembuatan sos dan bahan perasa	1,901	2,187	503	418	480	500	542
	10799 Pembuatan produk makanan lain t.t.t.l.	4,009	4,801	966	1,045	967	1,031	1,140
	Industri lain	7,018	7,825	1,780	1,679	1,784	1,775	1,976
108/ 10800	Pembuatan makanan haiwan tersedia	11,360	13,164	3,483	2,947	2,514	2,416	2,545
110	Pembuatan minuman ringan	9,487	10,629	3,067	1,395	2,434	2,590	3,009
	11041 Pembuatan minuman ringan	5,031	6,267	1,564	890	1,252	1,325	1,580
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,082	1,321	275	192	318	296	336
	Industri lain	3,375	3,040	1,228	313	864	970	1,093
120/ 12000	Pembuatan produk tembakau	3,060	2,940	946	184	934	997	973
131	Pemintalan, penenunan dan penyiapan tekstil	5,369	6,132	1,585	904	1,329	1,551	1,559
	13110 Penyediaan dan pemintalan gentian tekstil							
	&							
	13120 Penenunan tekstil	3,922	4,500	1,230	645	921	1,126	1,161
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,391	1,570	337	254	392	408	386
	Industri lain	57	62	18	5	16	17	12
139	Pembuatan tekstil lain	3,498	4,595	906	673	922	997	1,034
	13910 Pembuatan fabrik dikait dan dikrusye	1,917	2,240	474	395	511	538	540
	Industri lain	1,581	2,356	432	278	411	460	495
141	Pembuatan pakaian, kecuali pakaian berbulu	8,372	8,631	2,309	1,579	2,103	2,382	2,278
	14102 Pembuatan pakaian	7,486	7,689	2,008	1,473	1,919	2,087	1,993
	Industri lain	885	942	300	106	184	295	286
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	400	405	91	83	112	114	112
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,425	1,440	404	270	360	391	409
152	Pembuatan kasut	752	750	234	99	189	230	247
	15201 Pembuatan kasut kulit							
	&							
	15203 Pembuatan kasut getah	464	444	140	65	119	141	151
	Industri lain	288	306	94	33	70	90	97
161/ 16100	Pengilangan dan pengetaman kayu	5,600	5,885	1,661	642	1,561	1,737	1,759

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
1,861	2,039	2,128	1,252	1,454	651	602	Processing and preserving of meat
1,613	1,445	1,544	1,114	953	578	537	Processing and preserving of fish, crustaceans and molluscs
							Canning of fish, crustaceans and molluscs
1,542	1,373	1,459	1,060	900	550	510	Processing, curing and preserving of fish, crustacean and molluscs
71	73	85	55	53	28	27	Other industry
459	379	419	347	305	177	170	Processing and preserving of fruits and vegetable
							Pineapple canning
86	78	82	80	54	34	45	Manufacture of jams, marmalades and table jellies
373	301	338	267	251	142	125	Other industry
45,231	45,276	47,386	20,651	25,937	10,455	10,195	Manufacture of vegetable and animal oils and fats
							Manufacture of crude and refined vegetable oil
4,367	4,748	4,188	2,468	2,693	1,244	1,224	Manufacture of compound cooking fats
244	232	321	233	243	120	113	Manufacture of coconut oil
40,620	40,295	42,876	17,949	23,000	9,091	8,858	Other industry
2,700	2,689	2,831	1,714	1,960	864	850	Manufacture of dairy products
2,499	2,498	2,632	1,572	1,823	793	778	Manufacture of condensed, powdered and evaporated milk
201	190	199	142	137	70	72	Other industry
2,227	2,134	2,313	1,310	1,643	648	662	Manufacture of grain mill products, starches and starch products
1,049	1,002	1,082	515	781	250	265	Rice milling
1,104	1,056	1,144	738	809	371	367	Flour milling
75	76	87	57	53	27	30	Other industry
13,193	12,950	13,676	8,887	9,254	4,327	4,560	Manufacture of other food products
524	467	676	369	531	189	180	Manufacture of biscuits and cookies
3,193	3,123	2,854	2,236	1,920	981	1,256	Manufacture of bread, cakes and other bakery products
575	526	656	384	449	195	189	Manufacture of snack products
1,300	1,333	1,484	904	941	423	481	Manufacture of sugar
831	792	853	644	606	317	327	Manufacture of cocoa products
							Manufacture of chocolate and chocolate products
3,214	3,081	3,182	1,974	2,170	1,026	948	Manufacture of sugar confectionery
529	494	622	368	390	188	180	Manufacture of sauces and condiments
1,129	1,236	1,296	737	932	363	374	Manufacture of other food products n.e.c.
1,896	1,898	2,054	1,270	1,315	646	625	Other industry
3,454	3,607	3,558	1,558	2,464	774	784	Manufacture of prepared animal feeds
2,325	2,276	3,019	1,960	2,088	979	981	Manufacture of beverages
1,363	1,600	1,724	1,039	1,123	519	520	Manufacture of soft drinks
312	338	336	213	223	100	113	Production of natural mineral waters and other bottled waters
650	338	959	708	742	360	347	Other industry
594	266	1,108	621	657	320	301	Manufacture of tobacco products
1,633	1,333	1,608	1,024	1,119	515	509	Spinning, weaving and finishing of textiles
							Preparation and spinning of textile fibres
1,278	921	1,140	764	831	382	382	Weaving of textiles
343	391	450	251	279	127	124	Dyeing, bleaching, printing and finishing of yarns and fabrics
12	20	18	8	9	5	4	Other industry
1,046	1,210	1,306	670	858	344	326	Manufacture of other textiles
524	561	615	347	392	177	170	Manufacture of knitted and crocheted fabrics
522	649	690	323	466	166	157	Other industry
1,953	2,019	2,381	1,549	1,563	787	763	Manufacture of wearing apparel, except fur apparel
1,745	1,848	2,103	1,353	1,360	687	666	Manufacture of clothings
208	171	278	197	203	100	97	Other industry
104	78	111	75	71	38	38	Manufacture of articles of fur, knitted and crocheted apparel
294	269	468	269	321	138	132	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
169	139	194	167	131	87	80	Manufacture of footwear
							Manufacture of leather footwear
95	77	121	99	78	52	47	Manufacture of rubber footwear
74	62	74	68	53	35	33	Other industry
1,126	1,227	1,773	1,130	1,251	585	545	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	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	597	591	629	640
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	564	553	514	546
10201 &	Pengetinan ikan, krustasea dan moluska				
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	537	530	490	522
	Industri lain	27	24	24	24
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	174	171	146	141
10303 &	Pengetinan nanas				
10304	Pembuatan jem, marmalad dan sajian jeli	38	37	26	23
	Industri lain	136	134	120	119
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	9,949	14,407	14,498	16,326
10404 &	Pembuatan minyak sayuran mentah dan bertapis				
10406	Pembuatan sebatian lemak masakan	1,317	1,452	1,457	1,458
10405	Pembuatan minyak kelapa	111	87	96	61
	Industri lain	8,521	12,868	12,945	14,807
105	Pembuatan produk tenusu	871	901	876	923
10502	Pembuatan susu pekat, tepung dan sejat	799	832	810	857
	Industri lain	72	69	66	66
106	Pembuatan produk bijian, kanji dan produk berkanji	711	760	707	760
10611	Pengilangan beras	272	351	339	358
10613	Pengilangan tepung	412	383	344	377
	Industri lain	27	26	23	25
107	Pembuatan produk makanan lain	4,551	4,515	4,179	4,498
10711	Pembuatan biskut dan cookies	198	234	147	144
10712	Pembuatan roti, kek dan produk bakeri lain	968	1,001	1,042	1,150
10713	Pembuatan produk snek	201	211	183	181
10721	Pembuatan gula	481	466	383	452
10731	Pembuatan produk koko	282	289	275	266
10732 &	Pembuatan coklat dan produk coklat				
10733	Pembuatan konfeksi gula	1,137	1,132	1,021	1,061
10793	Pembuatan sos dan bahan perasa	175	179	177	172
10799	Pembuatan produk makanan lain t.t.t.l.	403	377	369	383
	Industri lain	706	627	583	687
108/ 10800	Pembuatan makanan haiwan tersedia	987	1,134	1,155	1,164
110	Pembuatan minuman ringan	1,049	1,004	821	499
11041	Pembuatan minuman ringan	541	544	413	406
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	123	124	96	92
	Industri lain	386	336	312	2
120/ 12000	Pembuatan produk tembakau	352	284	237	72
131	Pemintalan, penenunan dan penyiapan tekstil	536	536	523	575
13110 &	Penyediaan dan pemintalan gentian tekstil				
13120	Penenunan tekstil	397	416	421	441
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	135	116	98	130
	Industri lain	4	4	4	4
139	Pembuatan tekstil lain	364	347	339	360
13910	Pembuatan fabrik dikait dan dikrusye	193	168	171	184
	Industri lain	172	179	168	175
141	Pembuatan pakaian, kecuali pakaian berbulu	729	689	644	620
14102	Pembuatan pakaian	640	609	564	572
	Industri lain	89	79	80	48
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	37	42	42	20
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	139	119	113	63
152	Pembuatan kasut	81	65	57	47
15201 &	Pembuatan kasut kulit				
15203	Pembuatan kasut getah	52	39	31	26
	Industri lain	29	27	26	22
161/ 16100	Pengilangan dan pengetaman kayu	628	503	373	250

2021								2022								Group Description /Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
625	713	701	681	734	713	747	706	479	488	479	512	519	513	503	450	Processing and preserving of meat
																Processing and preserving of fish, crustaceans and molluscs
																Canning of fish, crustaceans and molluscs
455	464	454	483	492	484	476	425									Processing, curing and preserving of fish, crustacean and molluscs
24	24	25	29	28	28	28	25									Other industry
129	124	126	134	143	142	162	144									Processing and preserving of fruits and vegetable
																Pineapple canning
24	28	27	27	30	25	28	26									Manufacture of jams, marmalades and table jellies
105	97	99	108	113	117	133	118									Other industry
14,220	14,187	16,869	16,306	15,901	15,179	13,195	12,741									Manufacture of vegetable and animal oils and fats
																Manufacture of crude and refined vegetable oil
1,483	1,477	1,788	1,418	1,379	1,391	1,434	1,259									Manufacture of compound cooking fats
74	80	78	104	110	107	117	126									Manufacture of coconut oil
12,662	12,630	15,003	14,783	14,412	13,681	11,644	11,356									Other industry
836	929	924	948	964	919	993	967									Manufacture of dairy products
775	867	857	880	898	854	923	901									Manufacture of condensed, powdered and evaporated milk
61	62	67	67	66	66	70	66									Other industry
685	689	760	801	758	753	824	819									Manufacture of grain mill products, starches and starch products
313	316	374	395	341	347	376	406									Rice milling
350	347	359	379	387	377	420	388									Flour milling
23	25	28	28	30	29	28	25									Other industry
4,265	4,256	4,430	4,636	4,507	4,532	4,769	4,485									Manufacture of other food products
151	153	163	200	235	241	271	260									Manufacture of biscuits and cookies
1,050	1,079	994	990	934	930	987	933									Manufacture of bread, cakes and other bakery products
155	168	202	217	218	221	226	222									Manufacture of snack products
433	404	496	498	488	497	511	430									Manufacture of sugar
260	266	266	287	291	275	306	300									Manufacture of cocoa products
																Manufacture of chocolate and chocolate products
1,038	1,009	1,034	1,114	1,023	1,045	1,120	1,050									Manufacture of sugar confectionery
155	161	178	202	210	209	199	190									Manufacture of sauces and condiments
396	412	429	443	425	428	474	457									Manufacture of other food products n.e.c.
626	604	668	686	683	685	674	641									Other industry
1,217	1,198	1,193	1,165	1,188	1,204	1,279	1,184									Manufacture of prepared animal feeds
578	790	908	1,067	975	977	1,042	1,046									Manufacture of beverages
470	637	494	611	554	559	543	580									Manufacture of soft drinks
105	121	112	114	114	107	108	115									Production of natural mineral waters and other bottled waters
3	33	303	342	307	310	392	351									Other industry
77	54	135	393	330	384	327	330									Manufacture of tobacco products
463	434	435	488	552	567	566	553									Spinning, weaving and finishing of textiles
																Preparation and spinning of textile fibres
323	314	284	319	409	412	411	420									Weaving of textiles
																Dyeing, bleaching, printing and finishing of yarns and fabrics
136	111	144	163	137	150	150	129									Other industry
4	9	7	6	6	5	5	4									Other industry
395	404	410	431	429	445	446	412									Manufacture of other textiles
186	179	195	210	195	211	203	189									Manufacture of knitted and crocheted fabrics
209	225	215	221	234	235	243	223									Other industry
655	678	686	783	786	813	787	776									Manufacture of wearing apparel, except fur apparel
613	622	612	692	686	725	689	671									Manufacture of clothings
42	55	74	90	100	87	98	105									Other industry
25	24	29	35	37	39	38	33									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
60	89	119	149	160	159	161	160									Manufacture of leather footwear
43	48	48	63	64	67	68	63									Manufacture of rubber footwear
23	26	28	39	40	42	44	34									Other industry
20	21	20	24	24	25	25	28									Other industry
281	485	460	551	589	634	690	561									Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	16,681	17,143	5,740	1,659	4,447	4,836	5,123
16211	Pembuatan kepingan venier dan papan lapis	8,403	8,271	3,302	684	2,124	2,293	2,483
16212	Pembuatan papan partikel dan papan gentian	4,543	5,226	1,362	418	1,355	1,409	1,457
16221	Perfukangan kayu untuk jurubina	1,764	1,893	545	160	474	585	619
	Industri lain	1,971	1,752	532	396	494	549	564
170	Pembuatan kertas dan produk kertas	22,276	25,788	5,582	4,934	5,887	5,874	6,180
17010	Pembuatan pulpa, kertas dan kertas tebal	3,812	5,188	1,026	583	1,059	1,144	1,205
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	9,374	10,480	2,123	2,090	2,575	2,586	2,569
17091	Pembuatan sampul surat dan kad surat	389	326	113	108	84	84	83
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	4,629	5,154	1,250	1,139	1,155	1,085	1,216
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	2,392	2,797	662	622	578	531	636
	Industri lain	1,680	1,843	408	392	436	444	470
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	11,533	12,098	3,170	1,879	3,184	3,300	3,291
18110	Percetakan	9,369	9,747	2,579	1,539	2,588	2,662	2,518
18120	Aktiviti perkhidmatan berkaitan percetakan							
&								
18200	Penerbitan semula media rakaman	2,164	2,351	591	340	596	637	773
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	128,719	175,557	40,657	27,680	28,840	31,542	33,513
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	66,825	73,682	19,169	15,059	15,703	16,894	19,511
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,252	2,419	1,148	401	261	442	771
20112	Pembuatan kimia organik asas							
&								
20113	Pembuatan sebatian bukan organik	34,937	38,505	9,815	7,877	8,186	9,059	10,384
20121	Pembuatan baja							
&								
20129	Pembuatan produk campuran nitrogen	4,428	4,968	1,397	1,003	1,038	989	1,212
20131	Pembuatan plastik dalam bentuk primer	22,507	24,184	6,086	5,133	5,566	5,721	6,313
	Industri lain	2,701	3,607	723	645	651	682	831
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	23,776	28,646	6,222	4,712	6,369	6,473	6,878
20210	Pembuatan racun perosak dan produk agrokimia lain	1,883	2,681	419	375	518	572	650
20221	Pembuatan cat, varnis dan penyadur dan mastik	5,310	7,653	1,744	794	1,340	1,432	1,651
20222	Pembuatan dakwat cetak	998	989	368	200	202	228	246
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat							
&								
20232	Pembuatan pewangi dan penyediaan dandanan diri	9,385	10,633	2,114	1,988	2,691	2,591	2,665
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials							
&								
20292	Pembuatan dakwat menulis dan melukis	5,698	6,066	1,434	1,270	1,479	1,516	1,517
&								
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	500	625	142	85	139	134	150
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	7,843	9,185	1,768	2,006	2,111	1,959	2,117
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	6,288	7,645	1,460	1,612	1,627	1,588	1,750
	Industri lain	1,556	1,540	308	394	483	371	367
221	Pembuatan produk getah	63,435	86,432	11,907	15,457	16,997	19,074	22,899
22111	Pembuatan tayar getah untuk kenderaan	4,146	5,509	796	982	1,205	1,163	1,065
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	726	666	116	216	226	168	178
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan							
&								
22193	Pengilangan semula getah dan prosesan susu getah	8,752	7,914	1,870	2,188	2,359	2,335	2,292
22192	Pembuatan sarung tangan getah	44,219	65,418	7,999	10,845	11,616	13,759	17,568
22199	Pembuatan produk getah lain yang t.t.t.l.	5,592	6,925	1,126	1,225	1,591	1,649	1,796
222	Pembuatan produk plastik	48,459	58,617	11,572	11,442	12,580	12,866	13,733
22201	Pembuatan produk plastik separa siap							
&								
22202	Pembuatan produk plastik siap	14,628	17,691	3,318	3,705	3,805	3,800	4,205
22203	Pembuatan artikel plastik untuk pembungkusan	12,943	16,599	3,026	3,003	3,415	3,498	3,780
22204	Pembuatan barangan plastik jurubina	1,132	1,810	284	244	302	301	353
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	3,053	4,658	673	658	873	849	937
22209	Pembuatan pelbagai produk plastik t.t.t.l.	16,704	17,859	4,271	3,831	4,184	4,418	4,458
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,871	5,162	2,264	708	1,282	1,618	1,728

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
3,038	3,482	5,500	3,339	3,887	1,707	1,632	Manufacture of products of wood, cork, straw and plaiting materials
1,420	1,664	2,704	1,599	1,894	816	784	Manufacture of veneer sheets and plywood
948	1,155	1,666	956	1,124	496	459	Manufacture of particle board and fibreboard
322	344	608	409	444	203	205	Manufacture of builders' carpentry
348	319	522	375	424	192	183	Other industry
6,384	6,476	6,748	3,912	4,402	1,947	1,965	Manufacture of paper and paper products
1,272	1,317	1,394	767	976	384	384	Manufacture of pulp, paper and paperboard
2,553	2,597	2,761	1,615	1,610	809	806	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
80	80	82	54	51	27	26	Manufacture of envelopes and letter-card
1,286	1,292	1,360	770	983	377	394	Manufacture of household and personal hygiene paper
734	747	680	389	451	189	201	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
458	443	472	316	331	161	155	Other industry
2,682	2,708	3,417	2,227	2,389	1,136	1,091	Printing, service activities related to printing and reproduction of recorded media
2,110	2,306	2,813	1,694	1,950	866	828	Printing
572	402	604	533	439	270	263	Service activities related to printing
							Reproduction of recorded media
44,230	48,092	49,722	22,380	32,165	11,805	10,576	Manufacture of refined petroleum products
16,592	18,583	18,996	12,852	13,200	6,465	6,387	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
752	554	343	581	239	295	285	Manufacture of liquefied or compressed inorganic industrial or medical gases
8,318	10,055	9,747	6,845	7,055	3,438	3,407	Manufacture of basic organic chemicals
1,196	1,040	1,520	783	1,100	376	406	Manufacture of inorganic compounds
5,495	5,906	6,469	4,099	3,936	2,086	2,013	Manufacture of associated nitrogen products
831	1,028	917	545	868	269	275	Manufacture of plastics in primary forms
							Other industry
6,572	7,003	8,193	4,421	5,877	2,238	2,183	Manufacture of other chemical products and man-made fibres
608	636	787	424	683	216	208	Manufacture of pesticides and other agrochemical products
1,742	1,757	2,503	1,003	1,764	505	498	Manufacture of paints, varnishes and similar coatings ink and mastics
253	237	252	161	198	82	80	Manufacture of printing ink
2,327	2,757	2,884	1,731	2,014	885	846	Manufacture of soap and detergents, cleaning and polishing preparations
							Manufacture of perfumes and toilet preparations
							Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
1,486	1,438	1,625	1,005	1,117	503	503	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
156	178	141	96	100	47	49	Other industry
2,260	2,405	2,403	1,361	1,583	660	700	Manufacture of pharmaceuticals, medicinal chemical and botanical products
1,931	2,006	1,958	1,129	1,324	552	577	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
329	399	445	232	258	108	123	Other industry
27,051	19,939	16,544	13,403	9,927	6,965	6,437	Manufacture of rubber products
920	2,013	1,510	686	837	332	354	Manufacture of rubber tyres for vehicles
159	146	185	116	106	61	55	Manufacture of interchangeable tyre treads and retreading rubber tyres
2,136	1,684	1,803	1,466	1,067	740	726	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
22,044	14,479	11,326	9,967	6,887	5,243	4,724	Rubber remilling and latex processing
1,792	1,617	1,720	1,168	1,029	591	578	Manufacture of rubber gloves
							Manufacture of other rubber products n.e.c.
15,041	14,847	14,996	8,849	9,481	4,484	4,365	Manufacture of plastics products
4,728	4,508	4,250	2,722	2,561	1,383	1,338	Manufacture of semi-manufactures of plastic products
4,004	4,333	4,483	2,472	2,995	1,273	1,199	Manufacture of finished plastic products
447	510	500	212	302	111	101	Manufacture of plastic articles for the packing of goods
1,119	1,196	1,406	589	991	316	273	Manufacture of builders' plastics ware
4,744	4,300	4,357	2,854	2,631	1,400	1,454	Manufacture of plastic tableware, kitchenware and toilet articles
							Manufacture of diverse plastic products n.e.c.
1,317	871	1,246	1,159	969	598	561	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,784	1,380	892	766
16211	Pembuatan kepingan venier dan papan lapis	884	643	401	376
16212	Pembuatan papan partikel dan papan gentian	501	420	282	246
16221	Perfukangan kayu untuk jurubina	211	161	101	60
	Industri lain	188	156	109	83
170	Pembuatan kertas dan produk kertas	2,268	2,221	2,079	2,084
17010	Pembuatan pulpa, kertas dan kertas tebal	438	430	426	416
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	954	951	858	744
17091	Pembuatan sampul surat dan kad surat	30	27	28	26
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	446	443	404	440
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	247	215	208	311
	Industri lain	154	156	155	147
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,064	1,062	934	687
18110	Percetakan	824	827	716	567
18120	Aktiviti perkhidmatan berkaitan percetakan				
&		240	234	218	120
18200	Penerbitan semula media rakaman				
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	11,133	14,568	14,947	14,715
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6,658	5,142	5,267	6,183
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	190	234	239	279
20112	Pembuatan kimia organik asas				
&		3,538	2,460	2,693	3,166
20113	Pembuatan sebatian bukan organik				
20121	Pembuatan baja				
&		429	427	389	379
20129	Pembuatan produk campuran nitrogen				
20131	Pembuatan plastik dalam bentuk primer	2,214	1,733	1,679	2,084
	Industri lain	287	288	267	275
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,458	2,274	2,138	2,159
20210	Pembuatan racun perosak dan produk agrokimia lain	226	218	185	205
20221	Pembuatan cat, varnis dan penyadur dan mastik	648	645	596	501
20222	Pembuatan dakwat cetak	84	90	79	85
20231	Pembuatan sabun dan bahan pencuci, penyediaan				
&	membersih dan mengilat	934	767	731	829
20232	Pembuatan pewangi dan penyediaan dandanan diri				
20291	Pembuatan plat fotografi, filem, sensitized paper dan other				
&	sensitized unexposed materials				
20292	Pembuatan dakwat menulis dan melukis	512	505	495	486
&					
20299	Pembuatan produk kimia lain t.t.t.l.				
	Industri lain	53	50	51	54
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	756	722	695	843
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan				
	ubat-ubatan	621	611	598	723
	Industri lain	135	112	97	120
221	Pembuatan produk getah	9,496	9,513	8,764	8,774
22111	Pembuatan tayar getah untuk kenderaan	380	370	301	249
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	62	58	39
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak				
&	divulkan, divulkan atau dikeraskan	826	729	674	733
22193	Pengilangan semula getah dan prosesan susu getah				
22192	Pembuatan sarung tangan getah	7,602	7,726	7,165	7,154
22199	Pembuatan produk getah lain yang t.t.t.l.	627	627	566	600
222	Pembuatan produk plastik	4,884	5,171	4,903	4,967
22201	Pembuatan produk plastik separa siap				
&		1,483	1,589	1,535	1,603
22202	Pembuatan produk plastik siap				
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,308	1,378	1,308	1,317
22204	Pembuatan barangan plastik jurubina	141	148	141	158
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	348	380	350	388
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,604	1,675	1,567	1,501
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	569	503	471	343

2021		2022						Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
731	1,259	1,493	1,685	1,878	1,937	1,989	1,898	Manufacture of products of wood, cork, straw and plaiting materials
326	603	735	818	932	954	928	966	Manufacture of veneer sheets and plywood
262	396	498	516	562	588	600	525	Manufacture of particle board and fibreboard
72	139	133	195	202	210	235	209	Manufacture of builders' carpentry
71	120	127	155	181	185	226	198	Other industry
2,049	2,195	2,232	2,284	2,285	2,179	2,258	2,143	Manufacture of paper and paper products
414	453	450	502	452	441	505	471	Manufacture of pulp, paper and paperboard
820	882	895	947	953	861	825	785	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
25	27	28	28	27	27	26	26	Manufacture of envelopes and letter-card
402	429	461	424	468	468	510	473	Manufacture of household and personal hygiene paper
242	260	245	227	228	224	218	233	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
146	144	153	156	157	158	175	156	Other industry
801	935	971	983	1,210	1,224	1,223	1,165	Printing, service activities related to printing and reproduction of recorded media
675	802	828	824	984	1,005	994	956	Printing
126	133	143	159	226	219	230	209	Service activities related to printing
								Reproduction of recorded media
16,463	16,084	15,545	15,666	17,604	16,452	17,255	14,910	Manufacture of refined petroleum products
6,293	6,488	5,802	5,903	6,191	6,902	6,664	6,536	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
276	184	94	96	104	142	132	107	Manufacture of liquefied or compressed inorganic industrial or medical gases
3,362	3,617	3,076	2,971	3,167	3,610	3,544	3,511	Manufacture of basic organic chemicals
337	349	354	492	487	542	567	533	Manufacture of inorganic compounds
2,007	1,966	1,932	2,073	2,128	2,267	1,978	1,958	Manufacture of fertilizers
311	371	346	271	305	341	443	426	Manufacture of associated nitrogen products
2,015	2,329	2,659	2,657	2,686	2,850	2,976	2,901	Manufacture of other chemical products and man-made fibres
203	213	220	242	251	294	350	333	Manufacture of pesticides and other agrochemical products
381	593	783	827	809	866	906	858	Manufacture of paints, varnishes and similar coatings ink and mastics
83	82	73	78	86	88	102	97	Manufacture of printing ink
798	910	1,050	933	944	1,007	1,009	1,006	Manufacture of soap and detergents, cleaning and polishing preparations
485	479	474	529	551	545	560	557	Manufacture of perfumes and toilet preparations
66	53	58	48	44	49	50	51	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
766	799	839	818	807	778	819	764	Manufacture of pharmaceuticals, medicinal chemical and botanical products
650	659	697	669	659	630	688	637	Manufacture of writing and drawing ink
116	141	143	149	147	148	131	127	Manufacture of other chemical products n.e.c.
8,217	5,877	5,845	5,766	5,505	5,273	5,166	4,761	Manufacture of rubber products
1,157	443	414	645	433	432	428	409	Other industry
40	52	54	63	68	53	56	50	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
580	539	565	614	594	594	548	520	Manufacture of rubber tyres for vehicles
5,905	4,307	4,267	3,849	3,837	3,640	3,604	3,283	Manufacture of interchangeable tyre treads and retreading rubber tyres
535	537	546	594	573	553	530	499	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
4,841	5,070	4,937	4,954	4,997	5,045	4,846	4,635	Manufacture of plastics products
1,545	1,483	1,480	1,433	1,410	1,408	1,311	1,250	Rubber remilling and latex processing
1,432	1,518	1,383	1,462	1,519	1,501	1,525	1,470	Manufacture of rubber gloves
155	168	187	166	167	167	162	141	Manufacture of other rubber products n.e.c.
308	430	458	478	429	499	530	461	Manufacture of semi-manufactures of plastic products
1,400	1,471	1,429	1,416	1,471	1,470	1,318	1,313	Manufacture of finished plastic products
279	258	334	354	441	450	464	505	Manufacture of glass and glass 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.

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	34,318	37,611	9,857	5,170	9,276	10,015	10,610
23911	Pembuatan mortar refraktori dan konkrit							
&		2,005	2,146	599	297	506	604	727
23921	Pembuatan seramik bukan refraktori							
23930	Pembuatan produk porselin dan seramik lain	745	1,006	197	146	188	214	251
23941	Pembuatan simen hidrolik	8,467	8,946	2,257	1,177	2,451	2,582	2,612
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	5,897	6,617	2,054	761	1,461	1,621	1,703
23952	Pembuatan konkrit pratuangan, simen atau artikel batu							
&	buatan yang digunakan dalam pembinaan;							
23953	Pembuatan komponen struktur pasang siap untuk	13,264	14,056	3,672	2,132	3,590	3,870	3,969
&	bangunan 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.	2,851	3,624	781	467	768	836	997
	Industri lain	1,090	1,216	297	192	312	288	352
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	24,299	26,476	7,087	3,440	6,704	7,067	6,787
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	21,093	22,575	5,887	3,257	5,674	6,275	6,286
243	Pengacuan logam	504	514	154	87	140	123	122
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	22,226	24,551	6,580	4,018	5,404	6,223	6,537
25113	Pembuatan pintu, tingkap dan bingkai, penutup							
&	tingkap dan pintu pagar daripada logam	15,705	17,192	4,723	2,753	3,821	4,408	4,691
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	5,612	6,640	1,586	1,097	1,353	1,576	1,639
	Industri lain	908	718	271	168	230	239	207
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	31,160	32,456	8,924	6,107	7,793	8,336	8,935
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	3,574	4,189	1,257	651	759	907	1,073
25920	Rawatan dan penyalutan logam; menggunakan mesin	2,153	2,920	604	424	555	571	799
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	6,731	5,995	1,912	1,550	1,612	1,657	1,592
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal)							
&	dan artikel seumpamanya daripada logam	11,769	11,842	3,332	2,011	3,106	3,320	3,595
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya							
25994	Pembuatan barangan rumah daripada logam	159	241	54	27	39	39	61
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	6,191	6,529	1,621	1,306	1,574	1,689	1,644
	Industri lain	583	739	144	138	148	152	170
261	Pembuatan komponen dan papan elektronik	225,220	268,522	56,043	46,764	61,190	61,223	63,776
26101	Pembuatan diod, transistor dan alatan semikonduktor							
&	yang seumpamanya	132,175	154,125	33,051	27,735	35,168	36,221	36,520
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro							
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	86,047	105,853	21,686	17,525	23,940	22,897	25,358
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	6,998	8,544	1,307	1,504	2,082	2,105	1,897
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	44,740	46,756	10,932	8,931	12,831	12,047	11,801
263/ 26300	Pembuatan peralatan komunikasi	17,120	14,469	4,117	3,838	4,849	4,315	4,163
264/ 26400	Pembuatan peralatan elektronik pengguna	35,626	38,593	8,737	5,654	11,212	10,022	9,612
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	13,027	14,075	2,859	2,854	3,800	3,515	3,279
26511	Pembuatan kelengkapan mengukur, menguji,							
&	memandu arah dan kawalan	11,654	12,238	2,540	2,591	3,413	3,110	2,866
26512	Pembuatan kelengkapan kawalan proses perindustrian							
26520	Pembuatan jam tangan dan jam dan bahagiannya	1,373	1,837	319	262	387	405	412
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	6,278	7,829	1,536	1,362	1,720	1,659	1,964

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
8,486	7,894	10,621	7,032	7,719	3,624	3,408	Manufacture of non-metallic mineral products n.e.c. <i>Manufacture of refractory mortars and concretes</i>
504	304	612	482	450	250	232	<i>Manufacture of non-refractory ceramic</i>
243	235	277	168	181	84	84	<i>Manufacture of other porcelain and ceramic products</i>
2,119	1,661	2,555	1,726	1,799	873	852	<i>Manufacture of hydraulic cement</i>
1,399	1,482	2,032	1,125	1,399	581	544	<i>Manufacture of ready-mix and dry-mix concrete and mortars</i>
							<i>Manufacture of precast concrete, cement or artificial stone articles for use in construction</i>
3,129	3,101	3,858	2,649	2,867	1,380	1,269	<i>Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone</i>
							<i>Manufacture of other articles of concrete, cement and plaster n.e.c.</i>
831	864	931	654	743	341	313	<i>Manufacture of other non-metallic mineral products n.e.c.</i>
261	247	356	227	279	114	113	<i>Other industry</i>
5,380	6,219	8,090	4,595	5,106	2,458	2,137	Manufacture of basic iron and steel
4,789	4,903	6,598	4,174	4,372	2,063	2,111	Manufacture of basic precious and other non-ferrous metals
126	113	153	81	95	42	39	Casting of metals
5,689	5,363	6,961	4,402	5,241	2,340	2,062	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
3,874	3,842	4,785	3,168	3,860	1,698	1,470	<i>Manufacture of metal doors, windows and their frames, shutters and gates</i> <i>Manufacture of other structural metal products</i>
1,640	1,372	1,990	1,099	1,250	563	536	<i>Manufacture of tanks, reservoirs and containers of metal</i>
176	149	186	135	131	78	56	<i>Other industry</i>
7,898	6,591	9,031	5,986	6,072	3,074	2,912	Manufacture of other fabricated metal products; metal working service activities
1,026	914	1,176	704	817	371	333	<i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>
672	592	856	517	543	252	265	<i>Treatment and coating of metals; machining</i>
1,418	1,375	1,610	1,081	1,073	565	516	<i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i> <i>Manufacture of metal cable, plaited bands and similar articles</i>
2,788	2,130	3,329	2,435	2,282	1,244	1,190	<i>Manufacture of bolts, screws, nuts and similar threaded products</i>
68	56	56	33	40	16	17	<i>Manufacture of metal household articles</i>
1,736	1,348	1,800	1,111	1,171	565	546	<i>Manufacture of any other fabricated metal products n.e.c.</i>
189	176	204	105	147	60	45	<i>Other industry</i>
58,728	70,923	75,095	42,083	46,179	20,978	21,105	Manufacture of electronic components and boards <i>Manufacture of diodes, transistors and similar semiconductor devices</i> <i>Manufacture of electronic integrated circuits micro assemblies</i>
33,940	39,498	44,166	24,242	28,060	12,457	11,786	<i>Manufacture of electrical capacitors and resistors</i>
22,818	29,243	28,434	16,617	16,556	7,906	8,710	<i>Manufacture of printed circuit boards</i>
1,970	2,182	2,495	1,224	1,563	615	609	<i>Manufacture of display components</i> <i>Manufacture of other components for electronic applications</i>
13,262	9,323	12,370	7,598	8,907	3,642	3,956	Manufacture of computers and peripheral equipment
3,337	3,173	3,796	2,776	2,227	1,466	1,311	Manufacture of communication equipment
8,658	8,877	11,445	6,407	7,011	3,211	3,196	Manufacture of consumer electronics
2,849	3,554	4,393	2,227	3,010	1,297	930	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
2,458	3,130	3,784	1,954	2,688	1,157	797	<i>Manufacture of measuring, testing, navigating and control equipment</i> <i>Manufacture of industrial process control equipment</i>
391	424	609	273	322	140	133	<i>Manufacture of watches and clocks and parts</i>
2,159	2,209	1,497	1,310	638	712	598	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,579	3,206	2,946	2,335
23911 &	Pembuatan mortar refraktori dan konkrit	245	191	186	127
23921	Pembuatan seramik bukan refraktori				
23930	Pembuatan produk porselin dan seramik lain	82	86	85	71
23941	Pembuatan simen hidrolik	886	837	754	528
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	578	510	485	404
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	1,319	1,174	1,065	890
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.				
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	343 124	295 112	287 82	250 66
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,192	2,197	1,795	1,389
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	2,112	1,968	1,574	1,246
243	Pengacuan logam	42	51	47	28
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	2,135	2,145	2,016	1,529
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	1,523	1,526	1,416	931
25119	Pembuatan produk struktur logam lain				
25120	Pembuatan tangki, takungan dan kontena daripada logam	540	554	537	549
	Industri lain	73	65	62	49
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2,949	3,150	2,795	1,953
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	368	370	369	286
25920	Rawatan dan penyalutan logam; menggunakan mesin	282	271	219	183
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	511	505	452	460
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam				
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	1,161	1,104	1,109	575
25994	Pembuatan barangan rumah daripada logam	28	29	27	12
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	533	799	553	385
	Industri lain	65	72	65	52
261	Pembuatan komponen dan papan elektronik	21,692	19,142	18,592	20,994
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	12,278	11,046	10,610	12,284
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro				
26103 &	Pembuatan kapasitor dan perintang elektrik				
26104 &	Pembuatan papan litar bercetak	8,741	7,482	7,324	8,012
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	673	615	658	697
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	4,203	5,048	3,843	4,371
263/ 26300	Pembuatan peralatan komunikasi	1,386	1,021	968	1,349
264/ 26400	Pembuatan peralatan elektronik pengguna	3,205	2,960	2,820	2,878
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,052	935	899	1,014
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	912	806	777	875
26512	Pembuatan kelengkapan kawalan proses perindustrian				
26520	Pembuatan jam tangan dan jam dan bahagiannya	140	130	122	140
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	654	644	617	897

2021		2022						Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
2,383	2,688	2,823	3,204	3,632	3,785	3,961	3,758	Manufacture of non-metallic mineral products n.e.c.
71	105	128	180	208	224	233	218	Manufacture of refractory mortars and concretes
67	80	88	91	93	93	90	90	Manufacture of non-refractory ceramic
531	561	570	756	887	912	885	914	Manufacture of other porcelain and ceramic products
406	490	586	621	707	704	724	676	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
967	1,074	1,059	1,135	1,304	1,418	1,513	1,354	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
279	291	294	312	312	307	374	369	Manufacture of other articles of concrete, cement and plaster n.e.c.
63	87	98	109	121	126	143	136	Manufacture of other non-metallic mineral products n.e.c.
								Other industry
1,330	2,113	2,776	2,731	2,685	2,673	2,763	2,343	Manufacture of basic iron and steel
1,130	1,718	2,055	2,141	2,195	2,262	2,193	2,179	Manufacture of basic precious and other non-ferrous metals
28	40	45	48	50	54	49	47	Casting of metals
1,496	1,820	2,047	2,207	2,276	2,478	2,764	2,477	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
1,087	1,251	1,503	1,524	1,548	1,713	2,050	1,810	Manufacture of metal doors, windows and their frames, shutters and gates
363	520	490	627	664	698	644	606	Manufacture of other structural metal products
46	49	54	55	64	66	70	61	Manufacture of tanks, reservoirs and containers of metal
								Other industry
1,874	2,130	2,587	2,883	2,999	3,149	3,135	2,937	Manufacture of other fabricated metal products; metal working service activities
286	289	339	367	397	412	414	402	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
161	201	231	277	287	291	280	263	Treatment and coating of metals; machining
393	452	530	511	537	562	563	510	Manufacture of tins and cans for food products, collapsible tubes and boxes
								Manufacture of metal cable, plaited bands and similar articles
566	684	880	1,064	1,097	1,169	1,189	1,093	Manufacture of bolts, screws, nuts and similar threaded products
19	18	18	18	19	19	21	19	Manufacture of metal household articles
391	426	531	581	593	627	586	585	Manufacture of any other fabricated metal products n.e.c.
57	60	58	66	69	69	82	65	Other industry
21,593	23,218	26,112	24,782	24,072	26,241	23,010	23,169	Manufacture of electronic components and boards
12,706	12,856	13,936	14,670	14,283	15,213	14,304	13,756	Manufacture of diodes, transistors and similar semiconductor devices
								Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
8,261	9,659	11,323	9,303	8,968	10,164	7,881	8,676	Manufacture of printed circuit boards
626	703	853	809	821	865	826	737	Manufacture of display components
								Manufacture of other components for electronic applications
3,642	3,382	2,299	4,405	3,797	4,169	4,274	4,634	Manufacture of computers and peripheral equipment
945	992	1,236	1,260	1,271	1,265	1,121	1,106	Manufacture of communication equipment
1,932	3,318	3,627	3,881	3,948	3,617	3,659	3,352	Manufacture of consumer electronics
991	1,204	1,359	1,339	1,331	1,723	1,788	1,222	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
858	1,076	1,196	1,140	1,113	1,531	1,613	1,076	Manufacture of measuring, testing, navigating and control equipment
132	129	163	199	218	192	176	146	Manufacture of industrial process control equipment
								Manufacture of watches and clocks and parts
807	641	761	811	336	349	316	322	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1,417	1,682	298	284	424	411	370
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	10,580	12,845	2,556	2,095	3,012	2,916	2,794
	27101 Pembuatan motor elektrik, penjana dan transformer	4,131	4,672	887	857	1,222	1,165	1,033
	27102 Pembuatan perkakasan pengagihan dan pengawalan	6,449	8,173	1,669	1,238	1,791	1,751	1,762
272/ 27200	Pembuatan bateri dan akumulator	5,166	4,975	1,032	1,397	1,496	1,240	968
273	Pembuatan pendawaian dan peranti pendawaian	8,432	10,640	2,208	1,441	2,317	2,467	2,396
	27310 Pembuatan kabel gentian optikal	227	308	59	47	61	61	63
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	7,731	9,599	2,019	1,311	2,129	2,271	2,178
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	474	734	130	82	127	135	155
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,324	1,287	219	330	449	326	286
275/ 27500	Pembuatan perkakasan domestik	10,017	10,968	2,694	1,724	2,839	2,760	2,553
279/ 27900	Pembuatan kelengkapan elektrik lain	6,605	7,774	1,386	1,432	1,938	1,849	1,670
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	36,825	42,783	8,917	8,354	9,974	9,580	9,430
	28120 Pembuatan alat-alat kuasa bendalir							
	&							
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	2,312	2,912	698	405	575	633	622
	28180 Pembuatan alatan tangan yang menggunakan kuasa							
	&							
	dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	8,498	10,853	1,968	2,070	2,312	2,148	2,407
	28220 Pembuatan jentera pembentukan logam dan alatan mesin							
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,135	11,938	2,183	2,377	2,900	2,675	2,725
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	6,803	6,030	1,766	1,724	1,674	1,639	1,235
	Industri lain	9,078	11,049	2,303	1,778	2,513	2,484	2,440
291 (29101 & 29102)	Pembuatan kenderaan bermotor	36,423	38,540	7,913	4,428	11,601	12,480	9,334
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	5,473	6,553	1,015	1,348	1,717	1,394	1,531
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	30,638	32,291	7,004	5,941	8,944	8,749	8,688
301 (30110 & 30120)	Pembinaan kapal dan bot	3,399	5,121	1,063	250	850	1,236	1,198
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	9,546	8,983	2,702	1,941	2,387	2,516	2,537
	30910 Pembuatan motosikal	2,352	2,041	1,034	308	468	541	606
	30920 Pembuatan basikal dan invalid carriages	2,240	2,317	377	467	672	725	644
	Industri lain	4,955	4,625	1,291	1,166	1,247	1,251	1,287
310	Pembuatan perabot	16,524	15,579	4,475	2,416	4,718	4,914	4,702
	31001 Pembuatan perabot kayu dan rotan	10,982	8,579	3,155	1,512	3,096	3,219	3,029
	Industri lain	5,542	7,001	1,320	904	1,623	1,695	1,673
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	4,416	4,501	1,309	597	1,240	1,269	1,333
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5,209	5,573	1,316	1,171	1,403	1,321	1,352
	32901 Pembuatan alat tulis	1,230	1,386	316	275	329	310	366
	Industri lain	3,980	4,187	1,000	896	1,074	1,010	986
323/ 32300	Pembuatan barangan sukan	273	200	54	76	76	67	56
324/ 32400	Pembuatan permainan dan mainan	600	623	168	104	164	164	144
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,324	5,326	1,421	870	1,563	1,469	1,430
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1,695	1,800	282	327	580	505	474
	Industri lain	3,629	3,526	1,139	544	983	964	955
Jumlah Pembuatan		1,346,620	1,554,738	339,324	282,020	358,828	366,447	368,234

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
383	371	559	253	313	130	123	Manufacture of optical instruments, photographic equipment, magnetic and optical media
3,091	3,214	3,745	1,806	2,448	954	851	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1,117	1,203	1,319	670	834	354	315	Manufacture of electric motors, generators and transformers
1,974	2,011	2,426	1,136	1,614	600	536	Manufacture of electricity distribution and control apparatus
1,212	1,464	1,331	663	810	382	281	Manufacture of batteries and accumulators
2,580	2,673	2,990	1,603	1,807	826	777	Manufacture of wiring and wiring devices
62	85	98	42	55	22	19	Manufacture of fibre optic cables
2,325	2,397	2,699	1,463	1,631	753	710	Manufacture of other electronic and electric wires and cables
193	192	193	99	122	51	47	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
306	318	376	185	230	99	86	Manufacture of electric lighting equipment
2,581	2,707	3,127	1,728	1,821	879	849	Manufacture of domestic appliances
1,921	2,005	2,178	1,118	1,285	599	519	Manufacture of other electrical equipment
11,289	10,655	11,408	6,201	7,006	3,092	3,108	Manufacture of general-purpose and special-purpose machinery
761	690	839	366	362	139	228	Manufacture of fluid power equipment
2,987	2,675	2,783	1,635	1,593	831	803	Manufacture of other pumps, compressors, taps and valves
3,099	2,901	3,213	1,827	2,094	961	866	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
1,673	1,546	1,576	794	1,044	389	405	Manufacture of metal-forming machinery and machine tools
2,769	2,843	2,997	1,578	1,913	772	806	Manufacture of air-conditioning machines, including for motor vehicles
7,718	8,131	13,355	6,145	6,724	3,146	2,999	Manufacture of other special-purpose machinery n.e.c.
1,742	1,271	2,009	934	1,241	503	432	Other industry
7,803	6,895	8,905	5,482	5,672	2,742	2,740	Manufacture of motor vehicles
1,135	1,224	1,564	780	840	396	384	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2,160	1,787	2,498	1,615	1,627	870	746	Manufacture of parts and accessories for motor vehicles
543	383	509	393	350	206	187	Building of ships and boats
514	481	678	402	409	238	164	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
1,104	923	1,312	820	869	425	395	Manufacture of motorcycles
3,230	2,876	4,772	3,109	3,325	1,631	1,478	Manufacture of bicycles and invalid carriages
1,801	1,414	2,335	1,983	1,746	1,028	955	Other industry
1,429	1,462	2,437	1,126	1,580	603	523	Manufacture of furniture
1,391	593	1,184	902	831	489	413	Manufacture of wooden and cane furniture
1,339	1,375	1,508	886	1,016	448	438	Other industry
372	315	333	231	230	116	115	Manufacture of jewellery, bijouterie and related articles
967	1,060	1,175	655	786	333	323	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
59	37	49	35	36	17	18	Manufacture of stationery
154	135	190	83	124	42	41	Other industry
1,129	1,176	1,591	899	982	466	433	Manufacture of sports goods
369	409	548	284	336	158	126	Manufacture of games and toys
760	767	1,043	615	646	308	307	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
							Repair and maintenance of transport equipment except motorcycles and bicycles
							Other industry
377,735	381,793	426,976	241,299	270,621	122,887	118,412	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	117	127	111	145
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	989	1,076	961	1,054
	27101 Pembuatan motor elektrik, penjana dan transformer	363	394	336	388
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	626	682	626	666
272/ 27200	Pembuatan bateri dan akumulator	306	374	349	489
273	Pembuatan pendawaian dan peranti pendawaian	793	862	837	881
	27310 Pembuatan kabel gentian optikal	21	23	19	20
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	716	777	758	789
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	57	62	59	71
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	102	109	95	103
275/ 27500	Pembuatan perkakasan domestik	826	892	824	866
279/ 27900	Pembuatan kelengkapan elektrik lain	552	622	601	698
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,230	3,873	3,512	3,904
	28120 & Pembuatan alat-alat kuasa bendalir				
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	256	277	247	237
	28180 & Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	773	1,013	959	1,016
	28220 Pembuatan jentera pembentukan logam dan alatan mesin				
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	897	1,073	927	1,100
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	441 862	553 958	455 924	664 888
291 (29101 & 29102)	Pembuatan kenderaan bermotor	3,189	3,187	2,719	1,813
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	596	739	578	425
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	3,206	2,968	2,718	2,117
301 (30110 & 30120)	Pembinaan kapal dan bot	418	451	310	373
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	922	886	684	591
	30910 Pembuatan motosikal	213	218	190	135
	30920 Pembuatan basikal dan invalid carriages Industri lain	242 466	225 442	198 296	91 365
310	Pembuatan perabot	1,593	1,206	1,177	847
	31001 Pembuatan perabot kayu dan rotan Industri lain	1,046 547	674 532	655 522	472 375
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	431	583	528	279
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	466	476	454	409
	32901 Pembuatan alat tulis Industri lain	136 330	130 346	129 324	112 297
323/ 32300	Pembuatan barangan sukan	21	22	21	15
324/ 32400	Pembuatan permainan dan mainan	61	67	64	22
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	531	481	328	321
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	190 341	166 315	102 226	101 219
Jumlah Pembuatan		126,935	130,646	122,726	124,363

2021				2022				Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
99	120	152	198	173	187	159	154	Manufacture of optical instruments, photographic equipment, magnetic and optical media
929	1,125	1,160	1,216	1,208	1,320	1,245	1,203	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
384	414	404	424	411	484	445	389	Manufacture of electric motors, generators and transformers
545	710	756	793	797	836	800	814	Manufacture of electricity distribution and control apparatus
457	534	474	484	456	392	433	377	Manufacture of batteries and accumulators
845	894	935	1,006	998	987	938	869	Manufacture of wiring and wiring devices
28	27	30	33	28	37	27	27	Manufacture of fibre optic cables
748	803	846	906	898	894	846	784	Manufacture of other electronic and electric wires and cables
69	64	59	67	71	55	64	58	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
78	113	127	159	111	106	111	119	Manufacture of electric lighting equipment
855	930	922	1,006	1,034	1,087	1,004	818	Manufacture of domestic appliances
587	675	743	715	706	757	653	632	Manufacture of other electrical equipment
3,066	3,794	3,795	3,818	3,814	3,776	3,605	3,401	Manufacture of general-purpose and special-purpose machinery
								Manufacture of fluid power equipment
138	276	275	296	271	273	190	172	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
930	871	874	960	907	916	817	776	Manufacture of metal-forming machinery and machine tools
623	1,178	1,101	1,093	1,116	1,004	1,045	1,049	Manufacture of air-conditioning machines, including for motor vehicles
512	506	528	520	514	542	549	494	Manufacture of other special-purpose machinery n.e.c.
862	963	1,017	950	1,005	1,042	1,003	911	Other industry
2,401	2,412	3,318	4,287	4,683	4,385	3,451	3,272	Manufacture of motor vehicles
361	388	522	683	687	639	641	601	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2,214	2,382	2,300	2,931	3,089	2,884	2,839	2,833	Manufacture of parts and accessories for motor vehicles
335	411	477	568	524	471	438	402	Building of ships and boats
531	620	637	734	890	873	862	766	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
126	129	128	139	181	189	183	167	Manufacture of motorcycles
99	185	197	219	223	235	224	184	Manufacture of bicycles and invalid carriages
305	306	312	377	486	449	454	415	Other industry
614	968	1,294	1,494	1,646	1,633	1,761	1,564	Manufacture of furniture
339	496	579	684	823	828	929	816	Manufacture of wooden and cane furniture
275	471	715	810	823	804	832	748	Other industry
116	148	329	364	415	404	451	380	Manufacture of jewellery, bijouterie and related articles
423	461	491	498	494	515	515	501	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
100	118	97	108	110	115	116	114	Manufacture of stationery
323	343	394	391	384	400	399	387	Other industry
11	12	14	14	18	18	18	18	Manufacture of sports goods
42	35	58	64	64	62	63	61	Manufacture of games and toys
332	366	477	506	565	519	511	471	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
106	116	187	173	190	185	170	166	Repair and maintenance of transport equipment except motorcycles and bicycles
226	251	291	334	376	334	341	305	Other industry
119,934	126,536	135,323	140,655	142,411	143,911	138,986	131,635	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	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
101	Pemprosesan dan pengawetan daging	9.4	8.7	30.7	-7.9	5.5	13.1	38.5	16.1	41.0	35.9
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-2.3	0.8	4.5	22.0	-13.1	-5.7	1.7	-14.5	3.3	0.0
	10201 Pengetinan ikan, krustasea dan moluska &										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.3	0.6	4.7	22.2	-13.1	-6.9	2.0	-15.1	3.8	0.2
	Industri lain	-19.0	5.2	0.2	17.6	-12.4	20.7	-4.2	-2.8	-4.6	-3.9
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	7.9	-1.1	29.8	12.0	-25.3	-12.6	20.1	-12.1	20.8	19.4
	10303 Pengetinan nanas &										
	10304 Pembuatan jem, marmalad dan sajian jeli	2.6	4.9	4.0	10.3	5.7	0.2	6.1	-32.4	10.0	3.3
	Industri lain	9.3	-2.6	39.9	12.4	-30.6	-15.2	25.1	-6.0	23.8	26.6
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	14.3	13.9	12.3	12.8	11.6	18.2	11.1	25.6	10.3	11.8
	10404 Pembuatan minyak sayuran mentah dan bertapis &										
	10406 Pembuatan sebatian lemak masakan	3.1	24.3	13.3	40.4	36.8	9.5	11.9	9.1	5.8	19.0
	10405 Pembuatan minyak kelapa	6.6	-6.3	10.9	-1.9	-23.8	-9.6	13.2	4.3	22.5	4.7
	Industri lain	15.7	13.0	12.2	10.6	9.5	19.4	10.9	28.1	10.8	11.0
105	Pembuatan produk tenusu	3.3	7.4	3.8	13.1	2.0	11.4	4.2	14.4	5.0	3.3
	10502 Pembuatan susu pekat, tepung dan sejat	4.4	7.2	2.4	12.2	2.0	12.6	3.3	16.0	4.9	1.7
	Industri lain	-8.7	10.9	21.5	25.6	2.6	-2.5	15.0	-3.9	6.8	24.3
106	Pembuatan produk bijian, kanji dan produk berkanji	3.5	18.4	3.8	21.2	20.2	29.8	2.1	25.4	0.4	3.8
	10611 Pengilangan beras	18.8	22.2	-10.4	20.6	34.5	51.6	-5.7	51.6	0.2	-10.6
	10613 Pengilangan tepung	-6.1	16.8	17.2	24.4	10.8	15.6	8.6	9.6	0.9	17.7
	Industri lain	-3.2	-0.5	-3.3	-7.3	-1.8	10.9	-0.6	-7.0	-4.2	2.9
107	Pembuatan produk makanan lain	9.4	12.3	22.0	10.4	6.3	11.5	18.1	4.1	17.6	18.6
	10711 Pembuatan biskut dan cookies	1.9	4.4	14.8	7.9	-14.9	10.5	14.5	43.8	22.3	7.2
	10712 Pembuatan roti, kek dan produk bakeri lain	31.6	6.4	35.8	-1.9	-3.3	2.4	39.0	-14.2	21.9	56.2
	10713 Pembuatan produk snek	-8.9	-1.8	-3.6	-4.8	-10.0	11.3	-7.6	16.8	-5.1	-10.1
	10721 Pembuatan gula	-6.5	20.0	9.0	24.7	24.8	23.4	2.4	4.1	8.1	-2.2
	10731 Pembuatan produk koko	-7.5	-8.0	-1.9	-10.0	-11.0	-9.4	0.4	-5.9	-0.4	1.1
	10732 Pembuatan coklat dan produk coklat &										
	10733 Pembuatan konfeksi gula	23.1	25.4	48.8	28.8	17.1	12.7	37.5	9.9	43.1	31.9
	10793 Pembuatan sos dan bahan perasa	-17.5	15.1	7.9	26.5	3.0	24.3	1.8	6.1	1.2	2.5
	10799 Pembuatan produk makanan lain t.t.t.l.	13.9	19.8	18.0	8.1	27.8	25.7	11.9	26.5	16.2	8.0
	Industri lain	1.6	11.5	11.0	12.9	6.4	15.7	6.0	3.5	9.2	2.9
108/ 10800	Pembuatan makanan haiwan tersedia	-16.3	15.9	-26.9	17.2	43.5	47.3	-33.1	58.1	-33.7	-32.4
110	Pembuatan minuman ringan	-24.5	12.0	-1.9	66.6	-6.5	16.5	-6.8	6.5	-9.4	-4.1
	11041 Pembuatan minuman ringan	-27.1	24.6	1.0	53.1	27.8	30.2	-3.1	8.1	-3.6	-2.6
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-15.3	22.2	22.1	61.9	6.2	13.5	8.0	4.4	-4.0	21.4
	Industri lain	-23.2	-9.9	-11.0	108.0	-60.9	-1.1	-15.1	4.9	-17.8	-12.1
120/ 12000	Pembuatan produk tembakau	-21.7	-3.9	2.9	222.9	-71.5	11.1	1.5	5.8	1.7	1.2
131	Pemintalan, penenunan dan penyiapan tekstil	-13.9	14.2	-1.6	80.7	0.2	3.7	-5.8	9.3	-6.1	-5.5
	13110 Penyediaan dan pemintalan gentian tekstil &										
	13120 Penenunan tekstil	-18.1	14.8	-5.5	98.1	0.03	1.2	-9.6	8.7	-10.4	-8.9
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.4	12.9	14.3	35.2	-0.2	10.3	10.2	11.1	10.8	9.6
	Industri lain	-43.9	9.8	-32.4	134.2	22.1	6.4	-35.3	8.4	-22.7	-46.9
139	Pembuatan tekstil lain	-8.7	31.4	14.2	55.3	31.2	30.9	7.7	28.1	10.9	4.6
	13910 Pembuatan fabrik dikait dan dikrusye	-10.5	16.8	13.9	32.6	9.8	14.5	5.9	13.0	7.2	4.6
	Industri lain	-6.4	49.0	14.5	87.5	57.9	50.2	9.8	44.2	15.3	4.5
141	Pembuatan pakaian, kecuali pakaian berbulu	-9.8	3.1	-1.3	23.7	-4.0	0.0	-1.7	0.9	-2.2	-1.3
	14102 Pembuatan pakaian	-6.4	2.7	-0.8	18.5	-3.7	0.8	-1.1	0.6	-0.9	-1.2
	Industri lain	-31.2	6.5	-5.0	97.1	-7.1	-5.9	-6.1	3.3	-10.3	-1.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-14.0	1.4	23.8	25.1	-30.9	-2.1	18.7	-5.6	24.0	13.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-12.8	1.0	1.1	9.0	-25.3	19.6	1.2	19.3	0.8	1.6
152	Pembuatan kasut	-26.4	-0.3	5.8	70.8	-26.5	-15.6	0.7	-21.5	2.0	-0.6
	15201 Pembuatan kasut kulit &										
	15203 Pembuatan kasut getah	-29.7	-4.4	8.0	45.5	-35.1	-14.2	-0.4	-21.3	0.9	-1.9
	Industri lain	-20.5	6.3	2.6	120.5	-12.1	-17.9	2.5	-21.7	3.7	1.4
161/ 16100	Pengilangan dan pengetaman kayu	-19.8	5.1	5.9	75.5	-21.4	2.1	0.9	10.7	2.2	-0.5

(%)

2021												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
16.8	-6.8	-8.4	-8.5	-3.2	11.2	8.5	10.1	9.9	19.8	14.8	17.4	Processing and preserving of meat
10.4	43.5	15.4	11.0	-12.6	-12.1	-14.6	-6.2	-1.5	-9.2	-12.8	-16.2	Processing and preserving of fish, crustaceans and molluscs
												Canning of fish, crustaceans and molluscs
10.4	43.8	15.0	11.7	-12.5	-12.0	-14.9	-7.2	-2.7	-10.5	-13.5	-16.8	Processing, curing and preserving of fish, crustacean and molluscs
10.8	36.9	24.2	-1.6	-15.3	-12.5	-9.2	13.4	27.7	22.2	0.2	-5.8	Other industry
54.5	97.4	10.9	-26.0	-26.0	-24.5	-25.4	-19.5	-8.2	-9.5	-8.6	-15.7	Processing and preserving of fruits and vegetable
												Pineapple canning
-0.1	52.8	-0.4	-17.0	-4.5	9.1	12.8	10.9	17.7	-21.4	-17.7	-43.5	Manufacture of jams, marmalades and table jellies
82.8	114.8	13.7	-27.5	-29.6	-30.6	-31.7	-24.6	-13.2	-6.5	-6.4	-5.6	Other industry
15.0	15.2	11.4	12.0	11.3	10.0	13.3	9.3	24.6	22.5	26.2	25.0	Manufacture of vegetable and animal oils and fats
												Manufacture of crude and refined vegetable oil
16.0	51.3	38.0	33.1	29.5	27.6	53.0	7.7	10.1	10.8	15.2	2.9	Manufacture of compound cooking fats
6.4	15.3	32.2	-39.4	-26.7	-20.8	-23.8	-8.5	-7.2	-12.8	-2.3	11.2	Manufacture of coconut oil
15.0	12.2	8.9	10.6	9.8	8.5	10.1	9.6	26.5	24.3	28.1	28.2	Other industry
3.0	30.4	9.8	2.8	-7.3	2.5	11.6	6.2	14.0	14.3	15.0	13.7	Manufacture of dairy products
0.7	30.4	8.4	1.8	-7.9	2.4	12.5	6.7	15.7	15.7	16.3	15.7	Manufacture of condensed, powdered and evaporated milk
36.9	30.8	30.2	16.6	2.0	3.9	1.9	-0.3	-5.1	-1.9	0.01	-7.64	Other industry
7.1	15.2	22.5	26.5	16.9	16.7	26.9	29.3	30.8	29.4	27.2	23.7	Manufacture of grain mill products, starches and starch products
-18.2	2.3	27.3	37.8	27.5	28.1	47.5	52.3	44.8	57.9	50.3	52.8	Rice milling
36.3	32.5	21.5	19.6	10.8	9.1	12.4	13.4	21.9	11.9	13.3	5.8	Flour milling
-8.4	-5.3	-13.9	-2.7	-10.1	0.5	3.8	4.5	13.3	14.9	3.0	-16.1	Other industry
30.4	21.4	8.2	3.0	4.7	2.3	12.2	14.0	10.6	9.9	10.2	-1.6	Manufacture of other food products
15.4	56.7	-6.3	-20.2	-16.6	-16.3	-11.8	7.0	14.1	10.2	43.3	44.4	Manufacture of biscuits and cookies
28.8	-11.8	5.6	1.4	-6.7	-5.3	3.2	3.1	1.6	2.3	0.6	-25.7	Manufacture of bread, cakes and other bakery products
5.0	8.0	-6.6	-14.8	-20.0	-13.7	3.7	9.9	11.7	12.3	16.3	17.4	Manufacture of snack products
24.0	45.7	19.5	12.1	22.3	13.2	38.7	26.4	23.7	20.1	20.9	-10.7	Manufacture of sugar
-6.7	-9.4	-10.2	-10.4	-13.2	-12.1	-7.4	-13.7	-3.9	-10.0	-3.5	-8.2	Manufacture of cocoa products
												Manufacture of chocolate and chocolate products
73.8	74.8	20.2	6.3	22.5	11.1	18.0	24.0	6.9	7.9	9.1	10.8	Manufacture of sugar confectionery
23.3	37.4	28.4	15.2	-4.1	-0.01	13.5	23.1	28.3	21.6	6.3	5.8	Manufacture of sauces and condiments
31.0	44.2	-1.7	-6.0	24.1	28.0	31.3	35.5	20.3	22.0	30.6	22.4	Manufacture of other food products n.e.c.
21.4	11.8	9.1	17.6	6.0	2.1	11.0	13.2	17.4	16.7	4.4	2.6	Other industry
-14.6	-1.5	28.3	30.1	44.7	42.9	42.9	44.2	47.7	49.9	65.3	51.1	Manufacture of prepared animal feeds
8.9	177.0	88.0	-16.2	-19.1	-7.4	4.8	24.3	17.2	8.5	6.4	6.6	Manufacture of beverages
10.1	85.1	49.6	26.7	24.9	45.9	12.4	41.1	32.1	18.4	4.6	11.5	Manufacture of soft drinks
58.0	254.7	28.8	10.7	7.2	10.3	1.4	12.5	16.8	11.3	7.5	1.7	Production of natural mineral waters and other bottled waters
-2.3	897.4	263.4	-98.9	-98.9	-89.4	-4.6	5.6	-2.6	-6.4	8.7	1.0	Other industry
5.4	4,736.7	641.2	-50.5	-75.2	-81.2	-59.9	17.4	7.6	8.3	2.3	9.6	Manufacture of tobacco products
7.4	191.9	70.8	38.7	7.7	-3.4	-3.2	-5.5	7.7	8.7	9.9	8.7	Spinning, weaving and finishing of textiles
												Preparation and spinning of textile fibres
3.4	239.8	89.0	47.1	7.1	1.5	-8.4	-9.8	6.2	6.2	7.4	10.1	Weaving of textiles
22.8	89.9	18.4	17.5	10.2	-17.1	7.1	3.7	12.1	16.7	17.6	4.4	Dyeing, bleaching, printing and finishing of yarns and fabrics
-25.4	5,136.9	375.1	-4.0	-18.1	45.3	32.5	8.2	11.3	-0.4	5.4	12.3	Other industry
28.4	181.1	31.3	23.3	34.0	28.5	31.4	28.5	35.2	29.3	29.9	26.2	Manufacture of other textiles
31.8	169.0	5.6	8.1	10.5	3.7	15.4	13.1	16.8	13.7	14.6	11.4	Manufacture of knitted and crocheted fabrics
24.6	193.5	74.5	44.6	65.5	58.6	50.5	47.7	55.6	47.5	46.2	42.2	Other industry
-0.4	85.2	22.9	-9.2	-5.2	0.3	-6.7	-1.6	4.0	-2.1	0.1	1.8	Manufacture of wearing apparel, except fur apparel
-0.1	73.1	16.6	-10.3	-5.4	0.2	-5.7	-1.2	4.5	-0.6	0.3	0.8	Manufacture of clothings
-2.2	299.8	99.8	6.3	-2.7	1.0	-14.5	-4.8	0.7	-13.3	-1.7	8.5	Other industry
35.4	173.9	30.4	-43.2	-40.6	-28.1	-22.0	-5.1	0.4	-1.7	1.6	-12.9	Manufacture of articles of fur, knitted and crocheted apparel
												Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
0.9	232.6	12.5	-53.3	-53.8	-20.6	2.0	19.3	19.7	19.8	17.0	21.7	
18.1	562.0	164.1	-30.3	-29.5	-20.5	-29.2	-10.8	-12.1	-22.5	-20.9	-22.1	Manufacture of footwear
												Manufacture of leather footwear
28.8	363.0	80.8	-36.0	-41.1	-30.6	-33.5	-13.4	-12.7	-16.2	-15.7	-27.5	Manufacture of rubber footwear
2.8	1,661.5	498.3	-22.1	-9.6	-3.0	-22.1	-6.4	-11.0	-31.1	-28.7	-14.2	Other industry
16.4	1,274.9	443.3	-53.5	-44.9	-4.5	-15.2	-1.1	4.5	2.9	17.9	2.9	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-25.4	2.8	-10.7	83.2	-21.7	13.7	-14.3	16.4	-14.7	-14.0
16211	Pembuatan kepingan venier dan papan lapis	-35.4	-1.6	-24.8	107.6	-21.7	17.9	-28.0	18.4	-30.9	-24.8
16212	Pembuatan papan partikel dan papan gentian	-11.9	15.0	7.0	126.9	-14.7	18.2	3.3	17.7	12.7	-5.2
16221	Perfukangan kayu untuk jurubina	-18.2	7.3	13.7	100.6	-27.3	4.0	7.0	8.8	3.9	10.4
	Industri lain	-3.2	-11.1	6.0	-12.1	-35.5	-5.0	1.7	12.9	4.2	-0.7
170	Pembuatan kertas dan produk kertas	-2.1	15.8	10.7	29.4	10.0	14.9	6.6	12.5	8.4	4.9
17010	Pembuatan pulpa, kertas dan kertas tebal	-3.5	36.1	17.5	118.0	24.3	21.9	12.1	27.2	16.8	7.8
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	9.7	11.8	21.0	22.2	0.9	6.7	13.7	-0.3	12.7	14.7
17091	Pembuatan sampul surat dan kad surat	-32.3	-16.1	-26.0	-25.4	-4.5	-2.7	-26.7	-4.8	-30.1	-22.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-10.6	11.3	-2.7	12.9	11.8	25.4	-0.8	27.6	4.6	-5.5
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-19.2	16.9	-3.9	18.1	29.3	28.1	-10.8	15.9	-8.3	-13.0
	Industri lain	9.2	9.7	15.0	16.8	1.8	6.3	13.8	4.7	11.7	16.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-8.3	4.9	3.8	42.7	-15.0	3.5	2.1	7.2	1.7	2.5
18110	Percetakan	-7.4	4.0	-2.4	37.1	-10.9	5.6	-3.7	15.1	-4.5	-2.8
18120	Aktiviti perkhidmatan berkaitan percetakan										
&											
18200	Penerbitan semula media rakaman	-11.9	8.6	30.8	68.2	-32.5	-5.2	26.1	-17.7	28.0	24.1
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-13.9	36.4	-17.6	59.8	66.8	57.6	-19.2	43.7	-21.2	-16.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-14.2	10.3	1.8	10.2	18.3	12.4	1.9	2.7	-0.3	4.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-50.1	7.4	-32.9	87.7	112.0	-22.5	-20.6	-58.8	-23.7	-17.0
20112	Pembuatan kimia organik asas										
&											
20113	Pembuatan sebatian bukan organik	-14.7	10.2	5.8	5.6	22.8	7.6	3.0	3.1	0.01	6.24
20121	Pembuatan baja										
&											
20129	Pembuatan produk campuran nitrogen	-22.8	12.2	-13.3	19.2	0.1	53.7	-17.2	40.6	-19.8	-14.7
20131	Pembuatan plastik dalam bentuk primer	-6.0	7.5	3.7	7.1	6.1	13.1	6.5	-4.0	5.6	7.5
	Industri lain	-3.0	33.6	15.0	28.7	58.1	34.4	22.4	59.5	24.2	20.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-5.5	20.5	10.5	39.5	10.0	26.6	4.2	32.9	5.1	3.3
20210	Pembuatan racun perosak dan produk agrokimia lain	-6.6	42.3	55.0	62.3	22.8	37.5	40.5	61.2	24.5	62.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	-16.4	44.1	-5.4	119.4	31.1	74.8	-15.9	75.9	-14.8	-16.9
20222	Pembuatan dakwat cetak	-34.6	-1.0	-33.2	26.3	17.6	10.5	-36.8	22.8	-40.1	-33.2
20231	Pembuatan sabun dan bahan pencuci, penyediaan										
&	membersih dan mengilat	11.8	13.3	26.1	17.1	2.4	11.3	21.4	16.4	28.2	15.1
20232	Pembuatan pewangi dan penyediaan dandanan diri										
20291	Pembuatan plat fotografi, filem, sensitized paper dan										
&	other sensitized unexposed materials										
20292	Pembuatan dakwat menulis dan melukis	-8.9	6.5	5.8	17.1	-2.8	7.2	4.0	11.1	3.9	4.1
&											
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	-17.4	24.8	5.3	82.6	27.8	5.7	-5.9	4.1	-10.4	-1.2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	16.2	17.1	19.8	12.7	13.9	22.7	18.6	16.3	16.7	20.5
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	14.3	21.6	19.9	19.8	23.2	23.3	18.5	17.3	18.8	18.2
	Industri lain	24.6	-1.0	19.2	-16.5	-17.4	20.0	19.2	11.5	6.8	32.8
221	Pembuatan produk getah	55.2	36.3	92.3	75.0	17.3	-13.3	91.5	-25.9	95.6	87.4
22111	Pembuatan tayar getah untuk kenderaan	3.0	32.9	33.8	-6.4	67.1	29.9	10.2	22.1	8.3	12.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	40.9	-8.2	53.2	-26.7	-35.5	9.8	40.3	-8.6	60.2	23.4
22191	Pembuatan produk lain daripada getah asli atau sintetik,										
&	tidak divulkan, divulkan atau dikeraskan	2.0	-9.6	22.5	-2.4	-28.6	-22.8	9.4	-27.2	5.3	13.9
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	89.4	47.9	119.6	103.3	24.7	-17.7	138.0	-30.9	145.7	130.1
22199	Pembuatan produk getah lain yang t.t.t.l.	27.2	23.8	59.5	46.3	1.6	4.3	52.8	-12.0	55.0	50.6
222	Pembuatan produk plastik	2.3	21.0	18.7	31.5	18.0	16.6	11.9	7.1	11.2	12.6
22201	Pembuatan produk plastik separa siap										
&		12.5	20.9	26.7	27.6	18.5	11.8	21.9	-5.9	22.9	20.9
22202	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan	1.1	28.3	24.9	33.3	26.9	28.2	18.1	21.1	14.2	22.5
22204	Pembuatan barangan plastik jurubina	1.2	60.0	24.4	83.2	68.8	65.8	9.2	42.5	9.8	8.6
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan fondas daripada plastik	18.5	52.6	39.3	70.1	37.0	65.6	28.4	68.2	44.1	14.1
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-6.4	6.9	4.4	23.8	2.8	-1.4	-2.5	-7.8	-4.8	-0.3
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-27.6	-12.1	-23.7	86.1	-32.0	-23.0	-19.5	-16.4	-18.7	-20.4

2021												2022												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.													
-3.1	1,164.8	431.5	-44.5	-49.5	-10.8	-6.1	8.8	16.0	16.1	16.5	16.3													Manufacture of products of wood, cork, straw and plaiting materials
-18.1	31,138.4	17,447.2	-44.6	-53.0	-9.7	-3.7	16.1	19.9	17.6	13.8	23.3													Manufacture of veneer sheets and plywood
14.8	15,822.1	8,146.4	-40.2	-40.3	-7.6	2.1	9.9	22.5	22.3	20.8	14.2													Manufacture of particle board and fibreboard
29.2	1,245.5	337.2	-51.8	-52.8	-8.2	-21.6	1.2	4.3	6.4	15.7	1.9													Manufacture of builders' carpentry
15.6	69.2	-21.9	-49.4	-56.3	-25.9	-24.6	-14.1	-4.1	3.2	17.5	8.0													Other industry
18.6	62.2	28.2	7.2	4.9	11.9	13.2	13.6	15.9	15.2	16.0	9.1													Manufacture of paper and paper products
28.3	352.1	160.4	28.1	16.9	27.9	28.1	29.3	21.6	14.7	31.6	22.8													Manufacture of pulp, paper and paperboard
35.8	66.5	19.7	-7.2	-3.8	2.9	3.5	3.9	7.3	9.4	1.9	-2.6													Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-24.6	-9.7	-27.6	-35.1	-7.2	-2.7	-3.5	-3.6	1.4	-5.6	-6.4	-3.1													Manufacture of envelopes and letter-card
-5.8	22.5	12.7	4.8	4.9	11.4	19.1	20.4	33.1	22.8	35.3	20.1													Manufacture of household and personal hygiene paper
9.4	5.1	2.8	44.8	25.9	34.9	27.1	27.8	27.2	29.4	15.6	16.1													Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
17.5	44.5	9.6	3.1	1.2	0.05	4.0	2.4	2.0	15.5	8.5	0.8													Other industry
7.6	169.9	49.2	-20.1	-21.7	-13.3	-10.2	-9.7	9.8	10.4	7.7	6.8													Printing, service activities related to printing and reproduction of recorded media
0.5	156.1	43.6	-21.0	-19.5	-8.2	-5.4	-6.3	9.9	13.2	14.8	15.4													Printing
42.8	233.3	71.3	-15.8	-31.6	-35.2	-30.6	-24.1	9.2	-0.9	-15.1	-20.4													Service activities related to printing
																								Reproduction of recorded media
-14.1	46.8	70.9	63.3	75.7	60.8	64.2	64.8	69.1	44.5	46.2	41.0													Manufacture of refined petroleum products
1.6	6.9	8.1	15.0	20.2	23.7	11.1	15.4	12.5	9.9	3.1	2.3													Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-54.4	167.2	72.9	59.6	215.5	116.8	5.5	36.4	20.1	-50.1	-55.3	-62.4													Manufacture of liquefied or compressed inorganic industrial or medical gases
																								Manufacture of basic organic chemicals
11.61	-3.60	6.48	13.22	24.3	30.3	13.7	10.4	7.7	5.3	3.1	3.0													Manufacture of inorganic compounds
																								Manufacture of fertilizers
-5.0	32.9	26.6	1.4	-3.3	0.7	3.1	62.7	53.1	46.7	50.8	31.2													Manufacture of associated nitrogen products
-1.0	6.4	-0.7	15.0	6.8	8.2	3.4	13.2	10.5	15.4	-5.2	-2.7													Manufacture of plastics in primary forms
3.3	30.3	30.5	25.4	43.8	70.8	59.6	23.4	32.8	46.5	64.3	54.7													Other industry
24.2	93.8	32.4	12.2	-4.1	7.4	26.6	25.3	22.6	31.8	33.0	32.9													Manufacture of other chemical products and man-made fibres
92.3	100.3	46.6	47.0	26.5	3.1	45.8	61.5	18.0	40.3	62.1	60.3													Manufacture of pesticides and other agrochemical products
17.3	337.6	129.8	29.3	-14.4	34.1	72.9	78.1	67.1	79.4	79.3	72.4													Manufacture of paints, varnishes and similar coatings ink and
-24.9	58.1	11.1	16.5	21.4	22.6	8.9	9.5	8.5	13.5	24.4	21.3													Manufacture of printing ink
																								Manufacture of soap and detergents, cleaning and polishing preparations
35.6	66.1	2.7	1.8	-10.2	-0.2	17.8	5.8	10.6	17.8	14.0	18.8													Manufacture of perfumes and toilet preparations
																								Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
9.5	33.6	18.0	3.0	-1.1	-3.0	-4.3	4.9	6.3	10.6	11.4	10.7													Manufacture of writing and drawing ink
																								Manufacture of other chemical products n.e.c.
34.3	138.8	98.1	41.2	35.7	10.3	38.7	-1.0	5.3	13.3	4.5	3.7													Other industry
21.9	16.2	7.8	13.9	10.4	12.3	19.0	21.7	22.1	24.4	24.0	9.1													Manufacture of pharmaceuticals, medicinal chemical and botanical products
22.5	17.8	14.0	26.9	22.8	18.5	28.6	23.9	22.5	23.5	24.6	10.3													Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
19.2	8.2	-19.3	-29.4	-29.3	-9.9	-12.7	12.5	20.5	28.1	21.0	3.2													Other industry
93.4	86.3	73.0	66.0	49.2	5.6	-1.4	-11.3	-11.9	-16.7	-25.8	-26.0													Manufacture of rubber products
118.0	104.3	-14.3	-44.7	191.8	10.5	1.5	63.2	12.3	13.0	29.1	15.6													Manufacture of rubber tyres for vehicles
85.7	124.8	-27.2	-64.5	-62.3	-10.7	-13.0	17.4	17.7	-5.5	-8.0	-9.3													Manufacture of interchangeable tyre treads and retreading rubber tyres
																								Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
55.7	22.0	-2.5	-18.5	-34.5	-27.3	-22.9	-21.5	-21.9	-25.0	-25.9	-28.5													Rubber remilling and latex processing
99.4	95.6	101.4	114.3	64.1	12.2	2.1	-18.6	-14.4	-19.9	-31.3	-30.5													Manufacture of rubber gloves
73.6	78.8	46.2	22.9	2.7	2.2	0.1	10.1	2.3	0.6	-10.3	-13.7													Manufacture of other rubber products n.e.c.
33.3	50.0	31.0	16.9	14.6	20.6	19.0	16.5	16.8	16.3	8.1	6.2													Manufacture of plastics products
																								Manufacture of semi-manufactures of plastic products
36.7	41.0	22.3	21.2	22.9	16.8	15.9	12.1	13.8	9.7	-5.2	-6.6													Manufacture of finished plastic products
40.2	58.4	37.3	11.6	26.6	32.7	21.3	25.4	30.5	28.6	19.8	22.6													Manufacture of plastic articles for the packing of goods
57.2	87.8	92.6	71.8	57.8	69.9	77.9	65.2	67.9	64.3	45.2	39.6													Manufacture of builders' plastics ware
62.6	119.6	95.7	27.0	-13.2	53.6	92.5	68.2	47.6	81.8	67.7	68.7													Manufacture of plastic tableware, kitchenware and toilet articles
19.4	39.7	22.2	11.2	1.2	4.2	2.8	-0.5	-0.8	-2.7	-5.8	-9.7													Manufacture of diverse plastic products n.e.c.
-30.9	172.6	94.1	22.4	-33.1	-40.6	-22.3	-27.1	-17.1	-24.9	-22.5	-9.9													Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-16.7	9.6	7.6	64.1	-14.9	6.1	3.1	9.8	3.7	2.5
23911	Pembuatan mortar refraktori dan konkrit										
&											
23921	Pembuatan seramik bukan refraktori	-23.5	7.0	21.4	69.9	-40.0	1.3	13.4	-6.5	15.9	10.8
23930	Pembuatan produk porselin dan seramik lain	-23.9	35.1	27.1	66.8	25.3	29.4	11.1	7.5	10.1	12.2
23941	Pembuatan simen hidrolik	-12.4	5.7	15.7	80.0	-32.2	-1.1	15.7	4.2	13.3	18.2
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-34.1	12.2	-17.1	83.9	1.5	25.4	-17.7	24.4	-14.3	-21.1
23952	Pembuatan konkrit pratuangan, simen atau artikel batu										
&	buatan yang digunakan dalam pembinaan;										
23953	Pembuatan komponen struktur pasang siap untuk	-6.1	6.0	8.1	46.8	-13.6	-0.3	0.4	8.2	-0.7	1.8
&	bangunan atau kejuruteraan awam dari simen, batu atau										
23959	konkrit buatan										
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-20.2	27.1	27.7	78.1	12.5	11.4	24.8	13.7	36.7	14.0
	Industri lain	-16.3	11.6	18.3	35.9	-20.9	23.6	3.4	22.7	1.9	4.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-12.2	9.0	-4.2	56.4	-7.2	14.5	-2.4	11.1	3.2	-8.2
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-11.8	7.0	6.8	47.0	-13.6	5.2	0.2	4.7	-3.7	4.3
243	Pengacuan logam	-11.5	2.0	-20.5	44.5	-18.8	23.8	-22.6	18.5	-14.6	-29.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap,	-18.0	10.5	-0.6	41.6	-0.8	11.9	-1.9	19.1	-2.7	-1.1
	senjata dan peluru										
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap	-19.6	9.5	-0.7	40.7	0.5	8.6	-1.5	21.8	-2.7	0.0
&	dan pintu pagar daripada logam										
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada	-12.0	18.3	3.4	49.5	1.4	26.2	0.7	13.7	-0.3	1.8
	logam										
	Industri lain	-23.5	-20.9	-23.6	4.7	-35.3	-22.0	-25.6	-3.0	-15.5	-36.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti	-13.7	4.2	0.1	29.3	-15.4	8.3	-2.0	1.4	-1.2	-2.8
	perkhidmatan kerja logam										
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan	-27.1	17.2	-14.6	57.6	20.4	29.7	-20.0	15.9	-19.2	-20.8
	logam; serbuk metalurgi										
25920	Rawatan dan penyalutan logam; menggunakan mesin	-12.6	35.6	32.4	58.5	6.8	50.0	21.0	4.9	16.6	25.4
25991	Pembuatan tin untuk produk makanan dan minuman,	-16.5	-10.9	-16.7	-8.5	-14.7	-2.9	-17.3	-0.8	-14.5	-20.2
	tiub dan kotak boleh dilipat										
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal)										
&	dan artikel seumpamanya daripada logam										
25993	Pembuatan bolt, skru, nat dan produk uliran	-12.7	0.6	7.9	38.6	-31.4	0.3	7.5	-6.3	9.1	5.9
	seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-28.7	51.7	13.2	156.2	43.5	42.3	-15.1	21.4	-12.2	-17.7
25999	Pembuatan produk lain yang direka daripada logam	-2.1	5.5	1.5	32.9	-14.4	6.6	2.2	5.4	0.6	3.9
	t.t.t.l.										
	Industri lain	-9.1	26.7	17.5	37.1	18.8	34.0	3.7	40.1	13.4	-6.7
261	Pembuatan komponen dan papan elektronik	2.2	19.2	13.8	25.6	15.9	22.7	10.2	9.7	6.2	14.4
26101	Pembuatan diod, transistor dan alatan semikonduktor										
&	yang seumpamanya										
26102	Pembuatan lifar elektronik bersepadu dengan	2.9	16.6	10.5	22.4	12.3	21.9	7.4	15.7	5.0	10.1
	pasangan mikro										
26103	Pembuatan kapasitor dan perintang elektrik										
&											
26104	Pembuatan papan lifar bercetak	-0.6	23.0	16.9	30.2	22.2	24.2	12.8	-0.4	6.7	19.1
&											
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	32.3	22.1	45.2	31.0	4.8	18.5	37.0	27.6	30.0	44.9
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.6	4.5	7.9	48.5	-27.3	2.7	2.9	17.2	4.7	1.3
263/ 26300	Pembuatan peralatan komunikasi	-2.0	-15.5	1.1	-13.1	-34.6	-12.0	2.6	-19.8	2.1	3.1
264/ 26400	Pembuatan peralatan elektronik pengguna	-10.4	8.3	10.0	53.1	-20.8	14.2	10.0	9.4	7.6	12.6
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan	9.8	8.0	14.7	-0.2	-6.5	25.0	14.4	35.2	15.5	13.0
	kawalan; jam tangan dan jam										
26511	Pembuatan kelengkapan mengukur, menguji, memandu										
&	arah dan kawalan	11.4	5.0	12.8	-5.1	-8.3	21.7	13.1	37.6	15.2	10.2
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	-2.5	33.7	29.4	49.0	9.6	50.4	24.7	18.0	18.1	32.6
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan	-1.2	24.7	27.8	58.4	28.5	-9.8	31.3	-51.3	40.2	22.2
	elektroterapeutik										

2021												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
17.7	324.7	72.5	-13.8	-22.4	-12.9	-9.5	1.5	8.4	7.8	9.3	10.3	Manufacture of non-metallic mineral products n.e.c.
												Manufacture of refractory mortars and concretes
41.1	163.3	79.7	5.4	-56.9	-37.4	-26.6	2.3	5.1	-2.8	-6.9	-6.1	Manufacture of non-refractory ceramic
79.9	112.5	75.8	26.4	19.5	22.1	33.4	35.3	36.2	18.4	7.6	7.4	Manufacture of other porcelain and ceramic products
15.8	718.2	108.4	-26.0	-34.7	-31.2	-30.8	-8.9	2.1	3.2	1.3	7.3	Manufacture of hydraulic cement
-15.7	627.6	105.3	-11.2	-17.3	-0.2	22.4	29.9	27.9	19.4	24.6	24.2	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
27.6	254.2	42.7	-15.6	-18.5	-9.4	-13.1	-7.3	-0.4	6.1	9.6	6.7	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.
33.5	206.8	83.7	16.3	11.7	16.7	9.4	8.9	19.4	6.7	9.6	18.1	Manufacture of other non-metallic mineral products n.e.c.
60.7	168.3	50.8	-30.7	-42.8	-22.4	7.4	16.3	33.3	21.7	25.2	20.3	Other industry
-7.8	286.1	120.7	-32.5	-36.9	-2.6	14.4	12.9	16.8	13.8	12.4	9.6	Manufacture of basic iron and steel
22.7	219.6	82.3	-29.9	-36.0	-8.2	0.9	3.3	4.4	7.7	6.3	3.2	Manufacture of basic precious and other non-ferrous metals
-16.3	211.5	36.0	-22.8	-41.7	-8.9	-5.2	9.2	26.8	37.0	16.4	20.9	Casting of metals
2.1	159.3	25.9	-3.8	-16.8	-0.4	15.0	14.6	12.6	8.9	18.1	20.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
1.1	165.7	28.2	-13.3	-14.4	-3.2	19.4	12.2	10.0	4.4	20.7	23.1	Manufacture of metal doors, windows and their frames, shutters and gates
												Manufacture of other structural metal products
9.2	148.1	25.1	23.5	-19.7	13.8	10.2	28.2	24.1	26.5	14.3	13.2	Manufacture of tanks, reservoirs and containers of metal
-19.5	119.2	-6.9	-32.0	-39.0	-37.6	-29.2	-28.0	-19.2	-19.1	-11.0	8.0	Other industry
4.7	103.8	30.0	-19.0	-25.9	-18.9	-1.9	8.2	11.2	5.9	2.0	0.8	Manufacture of other fabricated metal products; metal working service activities
-2.2	88.7	74.3	18.0	24.1	8.4	29.3	38.8	48.7	9.7	11.6	20.8	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
60.2	190.4	30.6	11.8	-12.5	9.4	23.3	52.7	55.5	42.6	11.0	-0.9	Treatment and coating of metals; machining
-15.4	-4.8	-4.1	-16.0	-25.7	-15.9	-2.8	-5.5	-1.5	-1.6	-0.3	-1.2	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
8.8	193.8	46.3	-34.5	-44.2	-34.7	-15.7	-0.9	1.9	-0.1	-4.4	-8.2	Manufacture of bolts, screws, nuts and similar threaded products
84.2	265.7	206.5	24.3	59.4	39.1	33.5	38.7	52.2	36.9	27.7	15.2	Manufacture of metal household articles
-0.1	159.1	15.4	-25.8	-23.2	-19.7	-0.8	7.4	5.8	6.5	3.7	7.1	Manufacture of any other fabricated metal products n.e.c.
49.7	117.2	26.8	-2.6	16.6	21.9	17.8	28.0	38.0	36.1	37.5	43.5	Other industry
21.5	68.7	23.0	3.4	3.4	17.2	27.4	23.3	21.3	24.5	9.7	9.8	Manufacture of electronic components and boards
17.1	57.3	17.6	5.1	5.9	14.5	16.6	24.3	20.7	20.9	14.8	16.7	Manufacture of diodes, transistors and similar semiconductor devices
												Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
25.7	86.7	31.5	0.8	0.6	22.6	44.3	22.5	22.6	30.5	-0.3	-0.4	Manufacture of printed circuit boards
62.9	90.4	26.6	5.4	-6.2	-1.2	21.4	15.1	16.7	23.7	34.2	21.0	Manufacture of display components
												Manufacture of other components for electronic applications
18.4	100.6	59.5	9.2	-18.4	-14.7	-47.8	1.6	0.9	5.6	17.3	17.1	Manufacture of computers and peripheral equipment
-1.7	5.5	-20.3	-18.6	-44.9	-34.7	-23.4	-10.9	-7.0	-17.6	-23.5	-15.6	Manufacture of communication equipment
10.0	162.7	109.8	-9.6	-46.4	-9.1	-8.4	6.5	27.9	9.9	13.9	4.9	Manufacture of consumer electronics
15.3	51.1	-5.5	-20.9	-25.0	-9.7	18.5	18.8	27.4	28.3	37.9	31.4	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
12.3	46.1	-10.9	-25.1	-28.3	-11.1	18.9	15.5	20.5	27.7	39.4	35.0	Manufacture of measuring, testing, navigating and control equipment
39.6	91.8	54.1	20.5	7.5	4.9	15.5	41.9	79.8	33.9	25.4	10.2	Manufacture of industrial process control equipment
												Manufacture of watches and clocks and parts
21.4	74.4	38.6	63.8	42.0	12.1	31.3	45.8	-34.2	-41.0	-55.6	-46.2	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	4.2	18.7	24.3	34.6	-12.6	35.9	21.9	23.9	22.3	21.5
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-1.1	21.4	9.3	47.5	6.7	28.4	4.2	35.6	7.8	0.4
	27101 Pembuatan motor elektrik, penjana dan transformer	12.3	13.1	16.4	30.4	-1.6	13.2	13.3	24.5	16.4	9.9
	27102 Pembuatan perkakasan pengagihan dan pengawalan	-8.2	26.7	5.6	59.5	12.3	38.5	-0.5	42.1	3.3	-4.4
272/ 27200	Pembuatan bateri dan akumulator	14.9	-3.7	-6.2	-13.2	-2.1	7.3	-9.7	22.2	-3.1	-17.3
273	Pembuatan pendawaian dan peranti pendawaian	-16.9	26.2	8.5	79.1	15.4	21.2	3.9	12.7	1.1	7.2
	27310 Pembuatan kabel gentian optikal	-11.2	35.4	6.4	31.6	40.2	61.7	3.3	31.2	14.8	-7.5
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-17.8	24.2	7.9	77.3	12.5	18.8	4.1	11.5	0.6	8.0
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.8	54.9	19.7	135.2	51.0	43.6	2.6	23.4	2.8	2.4
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	47.5	-2.8	30.5	-7.1	-29.0	15.1	23.9	24.6	27.2	20.4
275/ 27500	Pembuatan perkakasan domestik	-8.1	9.5	-5.2	49.7	-4.7	13.3	-4.5	5.4	-6.3	-2.6
279/ 27900	Pembuatan kelengkapan elektrik lain	7.4	17.7	20.5	34.1	3.5	17.8	19.3	14.9	22.1	16.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.3	16.2	5.7	35.1	6.8	19.1	4.0	13.0	3.7	4.3
	28120 Pembuatan alat-alat kuasa bendalir										
	& 28130 Pembuatan pam, pemampat, kepala paip dan injap lain	-20.4	25.9	-10.8	87.7	19.8	32.5	-23.0	-1.2	-45.1	1.9
	28180 Pembuatan alatan tangan yang menggunakan kuasa										
	& dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	11.2	27.7	22.4	44.3	15.7	29.6	20.0	-2.6	18.9	21.2
	28220 Pembuatan jentera pembentukan logam dan alatan mesin										
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	19.4	17.8	24.8	30.4	0.04	20.1	26.0	14.6	33.5	18.7
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-10.1	-11.4	-30.1	-3.0	-7.6	-3.8	-32.2	31.4	-29.2	-34.7
		-12.1	21.7	6.0	55.8	13.1	20.6	4.9	21.3	1.5	8.3
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.8	5.8	18.0	74.3	-29.9	7.0	9.5	9.4	8.5	10.6
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	51.2	19.7	50.8	29.3	-26.0	44.1	33.6	32.8	38.7	28.1
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	5.4	24.0	31.4	-22.9	1.8	11.0	3.5	7.1	15.1
301 (30110 & 30120)	Pembinaan kapal dan bot	-20.5	50.7	12.7	353.5	44.1	26.6	16.7	7.6	6.8	29.0
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-9.3	-5.9	-6.1	11.3	-25.1	-0.7	-12.8	0.8	-9.7	-16.2
	30910 Pembuatan motosikal	-32.1	-13.2	-41.4	76.1	-18.3	-5.9	-46.6	-11.0	-42.6	-50.3
	30920 Pembuatan basikal dan invalid carriages	26.1	3.4	71.1	10.1	-28.4	-6.5	43.9	1.6	69.1	18.3
	Industri lain	-6.2	-6.6	-0.4	-5.3	-26.0	4.9	-2.1	6.0	-8.1	5.3
310	Pembuatan perabot	-7.3	-5.7	5.1	33.7	-39.0	-2.9	3.2	7.0	4.3	2.0
	31001 Pembuatan perabot kayu dan rotan	-7.8	-21.9	-4.0	19.1	-54.3	-27.5	-4.2	-12.0	-4.8	-3.6
	Industri lain	-6.2	26.3	26.8	58.0	-9.9	43.7	19.5	40.4	24.4	14.2
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-12.1	1.9	1.8	132.8	-52.2	-6.7	2.2	-7.9	7.3	-3.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.5	7.0	2.7	14.3	-2.0	14.2	-3.2	14.7	-6.9	0.8
	32901 Pembuatan alat tulis	2.6	12.7	16.0	35.3	-4.2	7.3	8.3	-0.4	4.0	12.9
	Industri lain	3.8	5.2	-1.4	7.9	-1.3	16.3	-6.7	20.0	-10.1	-2.9
323/ 32300	Pembuatan barangan sukan	20.9	-26.7	2.4	-22.5	-51.8	-26.6	-2.5	1.3	6.1	-9.7
324/ 32400	Pembuatan permainan dan mainan	-31.3	3.8	-14.2	47.8	-17.8	16.0	-28.4	48.8	-30.8	-25.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-11.3	0.04	0.6	29.8	-24.8	8.3	-1.2	9.25	-1.4	-0.9
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.1	6.2	68.0	13.0	-29.6	8.4	72.7	18.1	113.1	39.4
	Industri lain	-17.1	-2.8	-16.1	39.8	-22.0	8.3	-17.5	5.2	-22.8	-11.5
Jumlah Pembuatan		-2.1	15.5	8.5	33.9	6.4	16.5	5.3	12.2	4.1	6.4

2021												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
29.9	128.3	18.5	7.3	-30.0	-15.3	7.6	39.4	28.1	40.1	22.9	25.0	Manufacture of optical instruments, photographic equipment, magnetic and optical media
20.1	126.1	37.9	14.3	-8.1	10.6	17.8	20.4	25.5	40.0	30.5	41.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
22.7	96.5	21.5	1.9	-7.4	-1.2	4.3	4.1	8.2	28.1	25.7	23.2	Manufacture of electric motors, generators and transformers
18.6	147.6	48.6	23.0	-8.6	18.9	26.5	31.4	36.8	47.9	33.3	52.0	Manufacture of electricity distribution and control apparatus
2.3	1.9	-25.2	-13.2	-12.1	1.7	4.9	1.2	13.9	8.2	13.4	34.2	Manufacture of batteries and accumulators
19.1	173.6	86.3	30.3	9.0	16.2	21.0	20.5	22.9	20.3	13.5	11.9	Manufacture of wiring and wiring devices
13.2	76.7	43.2	-3.3	56.4	29.0	37.9	51.2	52.3	81.8	22.6	41.1	Manufacture of fibre optic cables
16.6	167.9	86.7	28.4	4.9	13.6	19.2	17.5	20.3	18.7	12.5	10.5	Manufacture of other electronic and electric wires and cables
68.4	412.4	99.4	77.8	57.3	52.9	42.3	60.5	53.4	18.8	25.4	21.3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
44.3	123.5	6.4	-46.5	-61.0	-8.0	1.3	20.5	22.4	1.9	12.3	38.8	Manufacture of electric lighting equipment
-6.7	75.0	97.8	8.5	-10.5	-2.9	-0.5	6.6	13.2	20.5	14.2	-3.7	Manufacture of domestic appliances
23.0	150.5	22.1	0.9	-9.0	4.0	15.4	10.2	15.5	28.6	8.9	21.8	Manufacture of other electrical equipment
9.3	98.8	37.5	1.4	-13.2	16.7	18.9	19.0	20.7	17.6	16.6	9.4	Manufacture of general-purpose and special-purpose machinery
												Manufacture of fluid power equipment
15.2	214.8	88.3	27.1	-27.8	44.1	43.0	40.1	31.0	26.4	37.3	-24.5	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
27.7	173.9	25.1	8.8	7.4	20.2	21.2	32.5	25.6	30.6	-1.7	-3.5	Manufacture of metal-forming machinery and machine tools
22.4	75.3	55.0	-5.8	-41.2	23.5	24.1	22.1	18.2	20.1	8.7	21.1	Manufacture of air-conditioning machines, including for motor vehicles
-25.9	4.6	2.6	-11.5	-13.3	-5.9	-3.2	-6.0	10.4	-12.6	41.1	22.1	Manufacture of other special-purpose machinery n.e.c.
8.0	173.9	50.2	9.2	4.4	14.4	20.4	15.3	22.3	24.3	29.9	13.0	Other industry
38.7	5,886.0	132.3	-43.4	-39.9	-38.1	-10.6	9.3	7.7	-2.6	9.7	9.1	Manufacture of motor vehicles
88.9	313.6	38.2	-43.3	-45.0	-30.5	4.0	53.9	41.2	30.2	27.4	39.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
55.4	149.9	33.2	-22.0	-28.6	-23.4	-15.9	1.4	3.4	-3.6	3.5	3.4	Manufacture of parts and accessories for motor vehicles
5.8	3,010.1	1,743.3	70.5	25.1	53.2	52.5	29.3	29.7	20.3	10.4	4.7	Building of ships and boats
8.5	148.1	-8.8	-29.1	-32.3	-22.9	-20.3	-6.5	0.2	3.8	-0.9	2.7	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-28.8	530.0	63.0	-14.0	-21.4	-17.8	-15.5	-14.3	1.2	-5.5	-11.2	-10.7	Manufacture of motorcycles
149.3	231.1	7.7	-57.8	-55.4	-17.9	-12.0	-11.3	-7.0	-1.0	-5.7	12.3	Manufacture of bicycles and invalid carriages
2.9	74.0	-34.1	-20.9	-23.9	-27.4	-26.4	-0.1	3.5	11.2	6.8	5.0	Other industry
8.9	956.3	54.5	-45.0	-60.8	-38.6	-17.8	-9.8	1.0	0.2	8.0	5.8	Manufacture of furniture
-3.6	883.6	63.7	-54.8	-67.0	-52.1	-43.9	-37.5	-22.2	-22.4	-9.6	-14.5	Manufacture of wooden and cane furniture
45.0	1,065.6	44.4	-24.6	-48.9	-12.9	31.5	44.2	44.1	42.9	38.1	43.0	Other industry
1.1	1,088.1	212.0	-26.3	-70.1	-64.9	-23.4	-14.3	-1.2	-4.5	-7.9	-7.8	Manufacture of jewellery, bijouterie and related articles
16.4	79.5	7.4	-15.4	-8.1	-2.5	4.7	15.1	13.0	14.4	15.0	14.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
31.9	148.7	32.8	-10.2	-12.1	2.3	-2.6	4.9	5.3	11.6	0.3	-1.1	Manufacture of stationery
11.0	62.4	-0.2	-17.2	-6.8	-4.0	6.6	18.3	15.4	15.2	20.1	19.9	Other industry
12.0	15.7	-20.7	-48.3	-57.4	-53.4	-44.3	-42.4	-26.8	-6.3	1.2	1.3	Manufacture of sports goods
17.9	1,148.4	53.5	-60.6	-22.9	-36.5	6.0	16.4	17.8	13.8	48.7	48.9	Manufacture of games and toys
3.8	219.4	52.7	-36.5	-36.6	-29.3	-8.5	1.8	9.8	13.7	9.6	8.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
61.4	153.6	25.7	-43.9	-52.1	-34.2	1.9	-2.5	6.7	23.2	7.1	31.8	Repair and maintenance of transport equipment except motorcycles and bicycles
-13.4	270.1	69.1	-32.5	-25.3	-26.7	-14.1	4.2	11.4	9.1	10.9	-0.6	Other industry
15.3	72.5	37.2	6.5	0.6	6.8	11.6	15.3	18.8	15.5	13.1	11.2	Total Manufacturing

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	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
101	Pemprosesan dan pengawetan daging	-1.7	0.6	9.6	4.4	9.4	-7.5	-0.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	2.5	-3.9	-10.4	6.8	2.3	-7.0	5.0
	10201 Pengetinan ikan, krustasea dan moluska							
	&							
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	1.9	-3.5	-11.0	6.3	1.6	-7.3	5.3
	Industri lain	15.1	-12.7	2.4	17.3	19.1	-2.7	-0.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.7	-12.0	-17.3	10.5	12.7	-3.7	2.3
	10303 Pengetinan nanas							
	&	44.8	-27.4	-8.6	4.3	6.8	31.4	-15.1
	10304 Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	1.3	-7.4	-19.4	12.1	14.2	-12.2	8.6
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-23.6	47.8	0.1	4.7	-15.6	-2.5	-2.4
	10404 Pembuatan minyak sayuran mentah dan bertapis							
	&	-1.0	15.4	8.7	-11.8	-0.9	-1.6	7.6
	10406 Pembuatan sebatian lemak masakan							
	10405 Pembuatan minyak kelapa	-2.9	-29.2	-4.9	38.3	-2.3	-5.7	-1.6
	Industri lain	-26.3	53.5	-0.8	6.4	-17.4	-2.6	-3.8
105	Pembuatan produk tenusu	1.7	4.4	-0.4	5.3	7.3	-1.5	2.5
	10502 Pembuatan susu pekat, tepung dan sejat							
		1.4	5.4	0.0	5.3	7.5	-1.9	2.7
	Industri lain	5.0	-6.0	-5.4	4.5	5.2	2.5	-0.1
106	Pembuatan produk bijian, kanji dan produk berkanji	13.4	10.2	-4.2	8.4	11.2	2.2	7.4
	10611 Pengilangan beras	10.2	33.2	-4.4	8.0	13.7	6.2	2.5
	10613 Pengilangan tepung	16.2	-4.0	-4.3	8.3	10.0	-1.0	12.2
	Industri lain	7.0	-10.7	0.9	15.0	6.1	10.2	-7.8
107	Pembuatan produk makanan lain	9.6	-1.8	-1.8	5.6	4.9	5.4	-0.2
	10711 Pembuatan biskut dan cookies	-7.3	-7.5	-10.8	44.6	-13.8	-4.7	9.8
	10712 Pembuatan roti, kek dan produk bakeri lain	14.9	-0.4	-2.2	-8.6	7.9	28.1	-22.9
	10713 Pembuatan produk snek	-0.6	-1.8	-8.6	24.8	-1.0	-2.7	6.4
	10721 Pembuatan gula	15.2	-6.1	2.5	11.3	2.1	13.8	-0.1
	10731 Pembuatan produk koko	-1.6	-10.3	-4.7	7.7	3.6	3.0	-13.8
	10732 Pembuatan coklat dan produk coklat							
	&	10.2	3.3	-4.1	3.3	6.0	-7.7	19.9
	10733 Pembuatan konfeksi gula							
	10793 Pembuatan sos dan bahan perasa	8.4	-2.4	-6.6	25.8	8.9	-4.1	-3.0
	10799 Pembuatan produk makanan lain t.t.t.l.	10.6	-0.9	9.4	4.8	3.5	2.8	8.0
	Industri lain	11.3	-4.1	0.1	8.2	10.0	-3.2	13.0
108/ 10800	Pembuatan makanan haiwan tersedia	5.3	35.7	4.4	-1.4	-3.7	1.3	25.9
110	Pembuatan minuman ringan	16.2	-22.7	-2.1	32.6	8.8	0.1	7.0
	11041 Pembuatan minuman ringan	19.2	-13.7	17.4	7.7	9.8	0.2	4.0
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	13.7	-7.3	8.5	-0.7	3.8	13.1	8.2
	Industri lain	12.7	-40.5	-48.0	183.8	8.8	-3.5	11.0
120/ 12000	Pembuatan produk tembakau	-2.4	-38.9	-55.2	316.2	-9.9	-5.8	16.9
131	Pemintalan, penenunan dan penyiapan tekstil	0.6	4.7	-18.4	20.6	-1.4	-1.1	5.3
	13110 Penyediaan dan pemintalan gentian tekstil							
	&	3.1	10.0	-27.9	23.8	-1.4	-0.2	4.1
	13120 Penenunan tekstil							
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-5.4	-11.0	14.1	14.9	-0.8	-2.8	8.9
	Industri lain	-24.8	-4.3	67.1	-11.5	-9.1	-25.0	9.6
139	Pembuatan tekstil lain	3.7	1.1	15.7	7.9	-0.1	-5.1	11.7
	13910 Pembuatan fabrik dikait dan dikrusye	0.4	-3.0	7.1	9.7	-4.2	-4.4	13.7
	Industri lain	7.6	5.6	24.2	6.4	4.6	-5.9	9.6
141	Pembuatan pakaian, kecuali pakaian berbulu	-4.3	-14.3	3.4	17.9	-5.3	-3.0	-4.4
	14102 Pembuatan pakaian	-4.5	-12.4	5.9	13.8	-5.9	-3.1	-3.9
	Industri lain	-3.2	-27.1	-17.9	62.6	-1.0	-2.7	-8.2
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-1.0	-7.5	-25.3	43.3	-5.3	0.3	-1.6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	4.5	-28.0	-8.7	74.2	3.7	-4.5	5.9
152	Pembuatan kasut	7.5	-31.7	-17.9	40.0	-0.1	-7.1	0.1
	15201 Pembuatan kasut kulit							
	&	7.3	-36.8	-19.2	56.7	3.3	-8.6	9.4
	15203 Pembuatan kasut getah							
	Industri lain	7.9	-23.7	-16.2	19.1	-4.7	-4.8	-13.0
161/ 16100	Pengilangan dan pengetaman kayu	1.3	-35.9	8.9	44.6	-5.0	-6.9	15.3

(%)

2021											Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.9	6.4	1.8	-2.3	14.0	-1.7	-2.8	7.7	-2.9	4.8	-5.5	Processing and preserving of meat
-1.9	-7.2	6.3	-12.3	2.0	-2.0	7.0	1.4	-1.3	-1.8	-10.6	Processing and preserving of fish, crustaceans and molluscs
											Canning of fish, crustaceans and molluscs
-1.4	-7.5	6.5	-12.9	2.0	-2.3	6.5	1.8	-1.5	-1.8	-10.7	Processing, curing and preserving of fish, crustacean and molluscs
-10.9	-1.0	0.1	-0.3	3.0	3.0	16.9	-5.0	2.4	-2.4	-8.5	Other industry
-1.7	-14.6	-3.3	-8.9	-3.5	1.5	6.5	6.4	-0.8	13.9	-11.1	Processing and preserving of fruits and vegetable
											Pineapple canning
-3.6	-30.0	-12.4	5.3	15.1	-2.3	-0.2	10.3	-14.4	11.9	-9.9	Manufacture of jams, marmalades and table jellies
-1.2	-10.4	-1.3	-11.6	-7.8	2.6	8.3	5.5	2.8	14.3	-11.4	Other industry
44.8	0.6	12.6	-12.9	-0.2	18.9	-3.3	-2.5	-4.5	-13.1	-3.4	Manufacture of vegetable and animal oils and fats
											Manufacture of crude and refined vegetable oil
10.3	0.3	0.03	1.8	-0.4	21.0	-20.7	-2.7	0.8	3.1	-12.2	Manufacture of compound cooking fats
-21.6	9.6	-36.3	21.7	8.3	-3.7	34.6	5.0	-2.1	9.4	7.3	Manufacture of coconut oil
51.0	0.6	14.4	-14.5	-0.3	18.8	-1.5	-2.5	-5.1	-14.9	-2.5	Other industry
3.4	-2.7	5.3	-9.5	11.1	-0.5	2.5	1.7	-4.6	8.0	-2.6	Manufacture of dairy products
											Manufacture of condensed, powdered and evaporated milk
4.0	-2.6	5.8	-9.6	11.8	-1.1	2.7	2.0	-4.9	8.1	-2.4	Other industry
-4.1	-3.6	-1.1	-7.6	2.4	8.3	0.1	-2.3	-0.6	7.2	-5.4	Other industry
6.9	-7.0	7.5	-9.8	0.5	10.4	5.4	-5.4	-0.6	9.3	-0.6	Manufacture of grain mill products, starches and starch products
29.3	-3.5	5.5	-12.6	1.0	18.3	5.6	-13.7	1.9	8.2	8.0	Rice milling
-7.1	-10.0	9.4	-7.1	-0.8	3.3	5.7	2.1	-2.6	11.4	-7.6	Flour milling
-3.9	-10.9	8.0	-10.6	12.3	8.8	-0.4	10.4	-4.0	-4.8	-10.3	Other industry
-0.8	-7.4	7.6	-5.2	-0.2	4.1	4.7	-2.8	0.6	5.2	-6.0	Manufacture of other food products
18.4	-37.4	-1.9	5.3	1.2	6.6	22.4	17.6	2.9	12.2	-3.9	Manufacture of biscuits and cookies
3.4	4.1	10.4	-8.7	2.7	-7.8	-0.4	-5.6	-0.5	6.1	-5.4	Manufacture of bread, cakes and other bakery products
4.7	-13.3	-0.7	-14.4	8.4	19.8	7.6	0.3	1.2	2.6	-1.7	Manufacture of snack products
-3.2	-17.9	18.1	-4.1	-6.8	22.7	0.4	-2.0	1.9	2.8	-15.9	Manufacture of sugar
2.6	-4.8	-3.1	-2.4	2.2	-0.03	7.8	1.4	-5.3	11.1	-1.9	Manufacture of cocoa products
											Manufacture of chocolate and chocolate products
-0.4	-9.8	3.9	-2.2	-2.8	2.4	7.7	-8.1	2.2	7.2	-6.2	Manufacture of sugar confectionery
2.6	-1.0	-2.8	-10.2	4.0	10.9	13.1	4.3	-0.5	-4.7	-4.6	Manufacture of sauces and condiments
-6.6	-2.1	3.9	3.2	4.0	4.2	3.3	-4.1	0.8	10.8	-3.6	Manufacture of other food products n.e.c.
-11.2	-7.1	17.9	-8.8	-3.5	10.6	2.7	-0.5	0.3	-1.6	-4.9	Other industry
14.9	1.8	0.8	4.5	-1.6	-0.4	-2.3	2.0	1.3	6.2	-7.4	Manufacture of prepared animal feeds
-4.3	-18.2	-39.2	15.7	36.8	14.9	17.5	-8.7	0.2	6.7	0.3	Manufacture of beverages
0.6	-24.0	-1.9	15.9	35.5	-22.5	23.8	-9.4	1.1	-2.9	6.7	Manufacture of soft drinks
0.8	-22.1	-4.8	14.6	15.4	-7.6	2.3	-0.7	-5.5	0.3	6.9	Production of natural mineral waters and other bottled waters
-12.8	-7.3	-99.3	24.1	1,086.7	830.9	13.0	-10.1	0.8	26.5	-10.4	Other industry
-19.2	-16.5	-69.5	6.8	-30.5	151.9	191.0	-16.1	16.4	-14.9	1.0	Manufacture of tobacco products
-0.1	-2.4	10.0	-19.4	-6.3	0.3	12.1	13.1	2.7	-0.3	-2.2	Spinning, weaving and finishing of textiles
											Preparation and spinning of textile fibres
4.6	1.3	4.8	-26.8	-2.7	-9.6	12.2	28.3	0.8	-0.4	2.3	Weaving of textiles
-13.9	-15.8	32.8	5.0	-18.3	29.5	13.1	-15.8	9.2	-0.1	-13.8	Dyeing, bleaching, printing and finishing of yarns and fabrics
-0.2	-0.8	2.0	-0.9	119.1	-17.3	-11.2	-7.6	-10.4	-3.8	-20.1	Other industry
-4.8	-2.3	6.0	9.9	2.3	1.5	5.2	-0.6	3.8	0.3	-7.8	Manufacture of other textiles
-12.7	1.5	7.9	1.2	-4.0	9.2	7.7	-7.6	8.2	-3.5	-7.1	Manufacture of knitted and crocheted fabrics
4.1	-5.8	4.1	19.1	7.9	-4.7	3.0	6.1	0.1	3.6	-8.4	Other industry
-5.5	-6.5	-3.7	5.6	3.5	1.2	14.1	0.4	3.4	-3.1	-1.4	Manufacture of wearing apparel, except fur apparel
-4.8	-7.5	1.5	7.2	1.5	-1.7	13.1	-1.0	5.8	-5.0	-2.6	Manufacture of clothings
-10.8	1.3	-39.8	-13.8	32.8	33.3	22.3	11.1	-13.0	12.3	7.3	Other industry
12.1	1.3	-52.0	24.9	-5.8	19.9	23.1	5.4	5.5	-2.2	-14.0	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
-14.7	-5.0	-44.6	-3.6	47.8	33.9	24.5	7.9	-0.8	1.3	-0.7	
-18.9	-13.3	-16.7	-8.9	11.3	0.4	30.8	2.3	4.4	1.9	-8.4	Manufacture of footwear
											Manufacture of leather footwear
-25.3	-19.8	-17.4	-11.2	16.2	5.6	38.1	4.4	4.4	3.9	-21.4	Manufacture of rubber footwear
-7.5	-3.8	-15.9	-6.1	5.9	-5.9	20.8	-1.0	4.5	-1.5	14.5	Other industry
-19.9	-25.9	-33.1	12.5	72.8	-5.1	19.6	7.0	7.6	8.8	-18.7	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	5.9	-40.7	14.6	57.9	2.3	-4.4	9.3
16211	Pembuatan kepingan venier dan papan lapis	8.3	-42.8	17.2	62.5	0.5	-3.9	12.7
16212	Pembuatan papan partikel dan papan gentian	3.4	-35.0	21.9	44.2	3.2	-7.5	9.1
16221	Pertukangan kayu untuk jurubina	6.0	-48.0	7.0	76.5	2.9	0.9	2.7
	Industri lain	2.6	-38.2	-8.5	63.7	7.1	-4.5	2.5
170	Pembuatan kertas dan produk kertas	5.2	3.3	1.4	4.2	2.9	0.9	15.4
17010	Pembuatan pulpa, kertas dan kertas tebal	5.4	5.5	3.5	5.9	-0.1	-0.1	14.3
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-0.7	-0.6	1.7	6.3	2.8	-0.4	18.3
17091	Pembuatan sampul surat dan kad surat	-1.1	-3.9	0.2	2.0	-5.5	-3.3	12.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	12.1	5.8	0.4	5.3	-1.2	4.5	13.3
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	19.8	15.4	1.8	-9.0	8.8	6.3	22.9
	Industri lain	5.8	-2.4	-3.3	6.4	18.1	-4.3	-0.6
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-0.3	-18.5	0.9	26.2	2.4	-3.9	-2.5
18110	Percetakan	-5.4	-16.2	9.2	22.0	-2.5	-4.3	-0.5
18120	Aktiviti perkhidmatan berkaitan percetakan &	21.3	-26.0	-29.7	50.2	22.1	-2.7	-8.9
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	6.2	32.0	8.7	3.4	3.7	-10.4	5.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	15.5	-15.0	12.0	2.2	3.0	-1.2	4.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	74.4	-2.4	-26.4	-38.1	3.8	-3.4	-33.5
20112	Pembuatan kimia organik asas &	14.6	-19.9	20.9	-3.1	0.3	-0.9	3.8
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja &	22.5	-1.3	-13.0	46.2	1.8	8.0	5.6
20129	Pembuatan produk campuran nitrogen							
20131	Pembuatan plastik dalam bentuk primer	10.3	-13.0	7.5	9.5	6.2	-3.5	10.0
	Industri lain	21.8	-0.1	23.8	-10.8	15.8	2.1	4.2
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	6.3	-4.5	6.6	17.0	3.5	-2.4	12.6
20210	Pembuatan racun perosak dan produk agrokimia lain	13.7	-6.5	4.6	23.7	3.2	-3.8	9.0
20221	Pembuatan cat, varnis dan penyadur dan mastik	15.3	5.5	0.9	42.4	4.6	-1.5	30.1
20222	Pembuatan dakwat cetak	7.6	3.1	-6.2	6.3	5.0	-2.4	5.7
20231	Pembuatan sabun dan bahan pencuci, penyediaan & membersihkan dan mengilat	2.8	-12.7	18.5	4.6	3.5	-4.4	10.4
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials &							
20292	Pembuatan dakwat menulis dan melukis &	0.1	-2.0	-3.3	13.0	2.0	0.0	1.8
20299	Pembuatan produk kimia lain t.t.t.l. & Industri lain	12.1	3.9	14.1	-20.5	8.7	3.5	8.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.1	6.8	6.4	-0.1	5.6	6.1	8.0
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan & Industri lain	10.2	10.3	3.9	-2.4	8.3	4.6	7.6
		-1.1	-10.3	21.3	11.5	-6.3	13.5	9.8
221	Pembuatan produk getah	20.1	18.1	-26.3	-17.0	10.1	-7.6	47.5
22111	Pembuatan bunga getah untuk kenderaan	-8.4	-13.7	118.9	-25.0	-13.2	6.8	7.3
22112	Pembuatan tayar getah yang boleh ditukar ganti dan tayar celup	5.7	-10.7	-8.0	26.6	7.5	-8.7	10.7
22191	Pembuatan produk lain daripada getah asli atau sintetik, & tidak divulkan, divulkan atau dikeraskan	-1.8	-6.8	-21.2	7.1	-6.6	-1.8	13.7
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	27.7	25.5	-34.3	-21.8	15.3	-9.9	60.9
22199	Pembuatan produk getah lain yang t.t.t.l.	8.9	-0.2	-9.8	6.4	7.4	-2.2	8.6
222	Pembuatan produk plastik	6.7	9.5	-1.3	1.0	3.4	-2.6	11.9
22201	Pembuatan produk plastik separa siap &	10.6	12.4	-4.6	-5.7	7.8	-3.3	10.8
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	8.1	5.9	8.2	3.5	9.1	-5.8	9.1
22204	Pembuatan barangan plastik jurubina	17.2	26.6	14.1	-2.1	9.6	-9.6	40.3
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	10.4	19.4	6.9	17.5	15.2	-13.5	27.3
22209	Pembuatan pelbagai produk plastik t.t.t.l.	0.9	6.4	-9.4	1.3	-7.4	3.9	10.3
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	6.8	-23.8	-33.9	43.0	-0.2	-6.3	1.5

2021					2022						Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-22.6	-35.4	-14.0	-4.6	72.3	18.6	12.9	11.5	3.2	2.7	-4.6	Manufacture of products of wood, cork, straw and plaiting materials
-27.2	-37.7	-6.1	-13.4	85.1	21.7	11.3	14.0	2.3	-2.7	4.1	Manufacture of veneer sheets and plywood
-16.2	-33.0	-12.5	6.4	51.1	25.7	3.8	8.8	4.6	2.0	-12.5	Manufacture of particle board and fibreboard
-23.8	-37.2	-40.0	18.8	93.8	-4.1	46.4	3.4	4.1	11.8	-11.0	Manufacture of builders' carpentry
-16.8	-30.6	-23.2	-14.8	69.5	5.6	22.2	16.8	2.0	22.0	-12.2	Other industry
-2.1	-6.4	0.2	-1.7	7.1	1.7	2.3	0.01	-4.6	3.6	-5.1	Manufacture of paper and paper products
-1.9	-0.8	-2.4	-0.5	9.6	-0.8	11.5	-9.9	-2.4	14.6	-6.8	Manufacture of pulp, paper and paperboard
-0.2	-9.8	-13.3	10.3	7.5	1.5	5.8	0.6	-9.6	-4.2	-4.8	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-10.5	3.7	-6.3	-1.8	4.2	7.3	-2.0	-3.5	1.2	-6.2	0.1	Manufacture of envelopes and letter-card
-0.7	-8.8	9.0	-8.7	6.8	7.5	-8.0	10.2	0.1	8.9	-7.3	Manufacture of household and personal hygiene paper
-12.9	-3.1	49.3	-22.1	7.5	-6.1	-7.1	0.4	-1.6	-2.8	6.8	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1.3	-0.2	-5.1	-1.2	-1.0	6.2	1.9	0.7	0.2	11.0	-11.0	Other industry
-0.2	-12.0	-26.4	16.6	16.7	3.8	1.2	23.1	1.2	-0.1	-4.7	Printing, service activities related to printing and reproduction of recorded media
0.4	-13.4	-20.8	19.1	18.9	3.2	-0.5	19.4	2.1	-1.1	-3.8	Printing
-2.3	-7.1	-44.7	5.1	5.0	7.8	11.0	42.3	-2.9	4.7	-8.9	Service activities related to printing
											Reproduction of recorded media
30.9	2.6	-1.6	11.9	-2.3	-3.3	0.8	12.4	-6.5	4.9	-13.6	Manufacture of refined petroleum products
-22.8	2.4	17.4	1.8	3.1	-10.6	1.7	4.9	11.5	-3.4	-1.9	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
23.2	2.2	16.9	-1.2	-33.2	-49.1	2.8	8.1	36.2	-7.0	-18.7	Manufacture of liquefied or compressed inorganic industrial or medical gases
											Manufacture of basic organic chemicals
-30.5	9.5	17.6	6.2	7.6	-15.0	-3.4	6.6	14.0	-1.8	-0.9	Manufacture of inorganic compounds
											Manufacture of fertilizers
-0.5	-8.8	-2.6	-11.1	3.5	1.3	39.1	-1.1	11.4	4.7	-6.0	Manufacture of associated nitrogen products
-21.7	-3.1	24.1	-3.7	-2.1	-1.7	7.3	2.7	6.5	-12.8	-1.0	Manufacture of plastics in primary forms
0.5	-7.2	2.9	12.9	19.5	-6.7	-21.7	12.5	11.6	29.9	-3.8	Other industry
-7.46	-6.0	1.0	-6.7	15.6	14.2	-0.1	1.1	6.1	4.4	-2.5	Manufacture of other chemical products and man-made fibres
-3.9	-14.8	10.7	-1.1	4.8	3.5	9.7	4.1	16.8	19.2	-4.9	Manufacture of pesticides and other agrochemical products
-0.4	-7.6	-16.0	-24.0	56.0	32.0	5.7	-2.2	7.1	4.5	-5.2	Manufacture of paints, varnishes and similar coatings ink and
6.4	-11.9	7.1	-2.4	-1.2	-10.1	6.3	10.5	2.5	15.1	-4.8	Manufacture of printing ink
											Manufacture of soap and detergents, cleaning and polishing preparations
-17.8	-4.7	13.3	-3.8	14.1	15.4	-11.1	1.2	6.7	0.1	-0.3	Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-1.4	-1.8	-1.8	-0.3	-1.3	-1.0	11.6	4.2	-1.2	2.8	-0.6	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
-5.8	2.2	5.2	22.7	-20.3	10.5	-18.2	-8.0	12.4	0.2	2.8	Other industry
-4.5	-3.8	21.3	-9.2	4.4	5.0	-2.5	-1.4	-3.5	5.3	-6.7	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-1.7	-2.1	20.9	-10.0	1.4	5.7	-4.0	-1.5	-4.5	9.2	-7.4	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-17.5	-12.9	24.0	-3.8	21.3	1.5	4.6	-1.2	0.6	-11.5	-3.2	Other industry
0.2	-7.9	0.1	-6.4	-28.5	-0.5	-1.4	-4.5	-4.2	-2.0	-7.8	Manufacture of rubber products
-2.6	-18.6	-17.5	365.6	-61.8	-6.5	56.1	-32.9	-0.3	-0.8	-4.4	Manufacture of rubber tyres for vehicles
0.9	-6.5	-33.3	3.3	29.2	5.2	16.6	7.2	-21.3	4.7	-10.0	Manufacture of interchangeable tyre treads and retreading rubber tyres
											Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-11.8	-7.5	8.8	-20.9	-7.1	4.9	8.7	-3.2	0.01	-7.8	-5.2	Rubber remilling and latex processing
1.6	-7.3	-0.2	-17.5	-27.1	-0.9	-9.8	-0.3	-5.1	-1.0	-8.9	Manufacture of rubber gloves
-0.1	-9.8	6.1	-10.9	0.4	1.7	8.9	-3.6	-3.4	-4.2	-5.9	Manufacture of other rubber products n.e.c.
5.9	-5.2	1.3	-2.5	4.7	-2.6	0.3	0.9	1.0	-3.9	-4.4	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
7.2	-3.4	4.4	-3.6	-4.0	-0.2	-3.2	-1.6	-0.2	-6.9	-4.6	Manufacture of finished plastic products
5.3	-5.1	0.7	8.7	6.0	-8.9	5.7	3.9	-1.2	1.6	-3.6	Manufacture of plastic articles for the packing of goods
4.9	-4.6	11.7	-1.8	8.7	10.8	-11.2	0.6	0.1	-3.1	-13.1	Manufacture of builders' plastics ware
9.2	-7.8	10.9	-20.7	39.5	6.6	4.3	-10.3	16.3	6.3	-13.0	Manufacture of plastic tableware, kitchenware and toilet articles
4.5	-6.4	-4.2	-6.7	5.0	-2.8	-1.0	3.9	-0.1	-10.4	-0.4	Manufacture of diverse plastic products n.e.c.
-11.6	-6.3	-27.2	-18.5	-7.9	29.8	6.0	24.5	2.0	3.0	9.0	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	5.9	-20.0	-7.0	34.5	3.2	-6.0	5.0
23911 & 23921	Pembuatan mortar refraktori dan konkrit	20.3	-30.6	-39.8	101.5	8.5	-7.2	5.7
23930	Pembuatan produk porselin dan seramik lain	16.9	-3.2	-3.0	17.8	6.8	0.3	-2.1
23941	Pembuatan simen hidrolik	1.2	-18.9	-21.6	53.8	-1.1	-2.4	4.0
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	5.1	-17.9	5.9	37.1	-1.5	-6.3	6.3
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	2.5	-21.2	-0.9	24.4	3.3	-8.0	4.0
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	19.4 22.1	-16.6 -25.9	3.9 -5.3	7.8 44.2	18.5 9.9	-8.3 -0.6	9.6 9.8
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-4.0	-20.7	15.6	30.1	4.6	-13.0	2.6
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	0.2	-23.8	2.4	34.6	-1.8	2.3	0.0
243	Pengacuan logam	-0.9	3.0	-9.9	34.7	5.4	-7.5	7.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	5.1	-13.0	-5.7	29.8	2.8	-11.9	3.5
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	6.4	-17.4	-0.8	24.6	3.4	-13.4	3.6
25120	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	3.9	0.1	-16.3	45.0	2.1	-4.9	0.7
	Industri lain	-13.2	-15.0	-15.5	25.1	-4.4	-28.4	29.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	7.2	-11.6	-16.6	37.0	3.3	-5.2	1.3
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	18.3	-4.4	-11.0	28.7	-1.1	-10.3	10.6
25920	Rawatan dan penyalutan logam; menggunakan mesin	40.1	-15.9	-11.9	44.5	23.4	5.1	6.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-3.9	-10.9	-3.1	17.1	-1.0	-8.7	-0.9
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	8.3	-22.5	-23.6	56.3	6.3	-4.3	-2.5
25994	Pembuatan barangan rumah daripada logam	54.9	11.3	-17.6	0.1	14.9	1.8	71.0
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	-2.7	5.6	-22.4	33.6	-4.1	-3.3	-2.3
	Industri lain	11.6	11.4	-6.8	15.6	18.1	-23.9	42.4
261	Pembuatan komponen dan papan elektronik	4.2	-7.9	20.8	5.9	-0.4	0.6	2.8
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	0.8	-7.1	16.4	11.8	-1.0	-5.4	4.2
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik							
26104	Pembuatan papan litar bercetak	10.8	-10.0	28.2	-2.8	1.5	10.2	0.4
26109	Pembuatan komponen paparan	-9.9	3.8	10.8	14.3	-12.0	-1.0	10.5
	Pembuatan komponen lain untuk aplikasi elektronik							
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-2.0	12.4	-29.7	32.7	-7.7	8.6	6.2
263/ 26300	Pembuatan peralatan komunikasi	-3.5	-19.8	-4.9	19.6	-4.5	-10.6	5.8
264/ 26400	Pembuatan peralatan elektronik pengguna	-4.1	-9.9	2.5	28.9	-2.4	-0.4	0.3
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-6.7	-13.1	24.8	23.6	-3.4	-28.3	13.1
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-7.8	-14.2	27.3	20.9	-3.5	-31.1	14.4
26520	Pembuatan jam tangan dan jam dan bahagiannya	1.8	-5.2	8.5	43.7	-2.4	-5.0	4.9
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	18.4	9.9	2.3	-32.2	20.3	-16.0	9.4

2021					2022						Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-10.4	-8.1	-20.7	2.1	12.8	5.0	13.5	13.3	4.2	4.7	-5.1	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
-22.2	-2.2	-31.8	-44.5	49.4	21.1	40.9	15.6	7.7	3.9	-6.5	Manufacture of non-refractory ceramic
4.2	-0.5	-16.6	-5.8	19.5	9.8	3.4	2.3	-0.2	-2.9	0.1	Manufacture of other porcelain and ceramic products
-5.5	-9.9	-30.0	0.6	5.6	1.6	32.7	17.3	2.8	-2.9	3.3	Manufacture of hydraulic cement
-11.8	-4.9	-16.9	0.6	20.7	19.6	6.0	13.7	-0.3	2.8	-6.6	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
-11.0	-9.3	-16.5	8.7	11.1	-1.4	7.2	14.9	8.7	6.6	-10.5	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
-14.0	-2.8	-12.9	11.7	4.5	0.8	6.1	0.2	-1.6	21.7	-1.2	Manufacture of other non-metallic mineral products n.e.c.
-9.8	-26.5	-19.8	-5.2	38.0	12.9	11.8	10.4	4.8	13.0	-4.5	Other industry
0.2	-18.3	-22.6	-4.2	58.8	31.4	-1.6	-1.7	-0.5	3.4	-15.2	Manufacture of basic iron and steel
-6.8	-20.0	-20.8	-9.4	52.1	19.6	4.2	2.5	3.0	-3.0	-0.7	Manufacture of basic precious and other non-ferrous metals
21.8	-6.9	-41.2	-0.1	45.5	12.0	6.2	4.8	8.0	-10.4	-3.9	Casting of metals
0.5	-6.0	-24.1	-2.2	21.7	12.5	7.8	3.1	8.8	11.5	-10.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
0.2	-7.2	-34.3	16.7	15.1	20.1	1.4	1.5	10.7	19.7	-11.7	Manufacture of other structural metal products
2.6	-3.1	2.3	-34.0	43.4	-5.8	28.1	5.9	5.1	-7.8	-5.8	Manufacture of tanks, reservoirs and containers of metal
-10.3	-4.0	-22.0	-5.9	6.1	11.7	1.8	16.3	3.3	5.2	-13.1	Other industry
6.8	-11.3	-30.1	-4.0	13.6	21.5	11.5	4.0	5.0	-0.4	-6.3	Manufacture of other fabricated metal products; metal working service activities
0.5	-0.2	-22.5	-0.1	0.8	17.4	8.2	8.4	3.7	0.5	-2.9	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-4.0	-19.0	-16.7	-11.9	24.9	14.8	20.1	3.7	1.4	-3.9	-6.2	Treatment and coating of metals; machining
-1.1	-10.5	1.8	-14.7	15.0	17.3	-3.6	5.0	4.7	0.2	-9.5	Manufacture of tins and cans for food products, collapsible tubes and boxes
											Manufacture of metal cable, plaited bands and similar articles
-4.8	0.4	-48.2	-1.5	20.8	28.7	20.9	3.1	6.6	1.7	-8.1	Manufacture of bolts, screws, nuts and similar threaded products
1.2	-5.4	-54.7	58.2	-4.9	-1.5	-1.4	5.0	2.9	7.2	-8.2	Manufacture of metal household articles
49.8	-30.8	-30.4	1.7	8.8	24.7	9.4	2.1	5.8	-6.6	-0.1	Manufacture of any other fabricated metal products n.e.c.
11.3	-9.2	-20.5	10.4	5.6	-3.3	13.3	3.7	0.1	19.3	-20.6	Other industry
-11.8	-2.9	12.9	2.9	7.5	12.5	-5.1	-2.9	9.0	-12.3	0.7	Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
-10.0	-3.9	15.8	3.4	1.2	8.4	5.3	-2.6	6.5	-6.0	-3.8	Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
-14.4	-2.1	9.4	3.1	16.9	17.2	-17.8	-3.6	13.3	-22.5	10.1	Manufacture of printed circuit boards
											Manufacture of display components
-8.6	6.9	6.0	-10.2	12.2	21.4	-5.2	1.6	5.2	-4.5	-10.7	Manufacture of other components for electronic applications
20.1	-23.9	13.7	-16.7	-7.1	-32.0	91.6	-13.8	9.8	2.5	8.4	Manufacture of computers and peripheral equipment
-26.4	-5.1	39.3	-29.9	5.0	24.6	1.9	0.9	-0.4	-11.4	-1.3	Manufacture of communication equipment
-7.6	-4.7	2.1	-32.9	71.8	9.3	7.0	1.7	-8.4	1.2	-8.4	Manufacture of consumer electronics
-11.1	-3.9	12.8	-2.4	21.6	12.8	-1.5	-0.6	29.5	3.8	-31.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
-11.7	-3.5	12.5	-1.9	25.3	11.2	-4.7	-2.4	37.6	5.3	-33.3	Manufacture of industrial process control equipment
-7.1	-6.1	14.7	-5.1	-2.7	26.2	22.5	9.5	-12.0	-8.6	-16.5	Manufacture of watches and clocks and parts
-1.5	-4.2	45.3	-10.1	-20.6	18.8	6.6	-58.5	3.8	-9.5	1.8	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-10.0	3.5	-3.2	50.7	-2.8	-5.3	-4.5
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.2	10.6	4.0	16.5	1.2	-10.8	16.1
	27101 Pembuatan motor elektrik, penjana dan transformer	-11.4	8.2	7.6	9.7	-6.3	-10.9	15.1
	27102 Pembuatan perkakasan pengagihan dan pengawalan	0.6	12.1	1.9	20.6	6.2	-10.8	16.8
272/ 27200	Pembuatan bateri dan akumulator	-21.9	25.2	20.8	-9.1	5.4	-26.4	8.7
273	Pembuatan pendawaian dan peranti pendawaian	-2.9	7.7	3.6	11.9	0.7	-6.0	2.1
	27310 Pembuatan kabel gentian optikal	3.4	-0.1	36.1	15.1	10.6	-13.2	8.0
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.1	6.7	3.1	12.6	-0.1	-5.7	0.8
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	15.3	24.4	-0.8	1.0	9.4	-7.0	19.5
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-12.2	6.9	4.0	17.9	-4.5	-13.1	18.4
275/ 27500	Pembuatan perkakasan domestik	-7.5	1.1	4.9	15.5	-2.6	-3.3	-2.8
279/ 27900	Pembuatan kelengkapan elektrik lain	-9.7	15.0	4.4	8.6	1.8	-13.4	6.4
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.6	19.7	-5.6	7.1	-3.7	0.5	3.9
	28120 Pembuatan alat-alat kuasa bendalir							
	&							
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	-1.7	22.2	-9.3	21.6	-35.8	64.4	12.5
	28180 Pembuatan alatan tangan yang menggunakan kuasa							
	&							
	dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	12.1	24.1	-10.5	4.0	18.5	-3.3	-3.8
	28220 Pembuatan jentera pembentukan logam dan alatan mesin							
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	1.8	13.8	-6.4	10.8	15.0	-9.9	3.6
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-24.6	35.4	-7.6	2.0	-37.2	3.9	8.9
	Industri lain	-1.8	13.5	2.7	5.4	-7.9	4.4	7.0
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-25.2	-17.3	5.4	64.2	-30.1	-4.7	6.4
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	9.8	13.8	-27.1	58.1	2.4	-14.1	38.1
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-0.7	-10.2	-11.6	29.1	-8.3	-0.1	17.0
301 (30110 & 30120)	Pembinaan kapal dan bot	-3.0	-5.3	7.9	27.8	1.2	-3.2	8.9
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	0.8	-14.8	-17.3	39.8	3.4	-14.2	23.6
	30910 Pembuatan motosikal	12.1	-10.4	-29.5	33.0	3.0	-9.6	14.3
	30920 Pembuatan basikal dan invalid carriages	-11.1	-20.3	-6.3	40.8	0.2	-31.1	47.6
	Industri lain	2.9	-14.2	-16.3	42.1	5.4	-7.1	18.0
310	Pembuatan perabot	-4.3	-31.3	-11.0	65.9	0.0	-9.3	7.8
	31001 Pembuatan perabot kayu dan rotan	-5.9	-40.5	-21.5	65.1	-3.7	-7.0	9.4
	Industri lain	-1.3	-14.6	2.3	66.7	7.1	-13.3	4.7
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5.0	4.3	-57.3	99.6	15.6	-15.7	4.5
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	2.4	-1.0	2.7	9.6	-0.5	-2.4	6.5
	32901 Pembuatan alat tulis	18.1	1.5	-15.3	5.6	12.1	-0.8	18.3
	Industri lain	-2.5	-1.9	9.7	10.8	-4.3	-2.9	2.3
323/ 32300	Pembuatan barangan sukan	-17.1	5.0	-37.4	34.8	-7.7	1.0	16.7
324/ 32400	Pembuatan permainan dan mainan	-12.3	6.7	-12.2	41.2	-22.6	-2.6	47.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-2.7	-21.0	4.1	35.3	2.0	-7.1	22.6
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-6.1	-22.2	10.7	34.1	5.3	-20.4	50.7
	Industri lain	-0.9	-20.4	0.9	36.0	0.4	-0.2	11.1
Jumlah Pembuatan		0.5	2.6	1.1	11.8	-1.4	-3.6	7.2

2021					2022						Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
8.2	-12.7	30.8	-31.9	21.4	26.8	30.2	-12.4	7.9	-14.8	-3.7	Manufacture of optical instruments, photographic equipment, magnetic and optical media
8.9	-10.7	9.6	-11.9	21.1	3.2	4.8	-0.7	9.3	-5.7	-3.4	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
8.5	-14.8	15.5	-1.0	7.9	-2.4	4.8	-2.9	17.7	-8.1	-12.6	Manufacture of electric motors, generators and transformers
9.1	-8.3	6.5	-18.2	30.4	6.4	4.8	0.5	4.9	-4.3	1.8	Manufacture of electricity distribution and control apparatus
22.4	-6.7	40.1	-6.6	16.9	-11.3	2.1	-5.7	-14.1	10.5	-12.9	Manufacture of batteries and accumulators
8.7	-2.9	5.3	-4.1	5.8	4.6	7.6	-0.8	-1.2	-4.9	-7.3	Manufacture of wiring and wiring devices
8.5	-14.3	4.7	37.7	-2.9	9.2	10.3	-13.5	29.1	-25.4	-0.1	Manufacture of fibre optic cables
8.6	-2.5	4.1	-5.2	7.3	5.4	7.1	-0.9	-0.4	-5.4	-7.4	Manufacture of other electronic and electric wires and cables
9.8	-4.6	20.1	-3.5	-7.5	-7.5	13.2	6.8	-22.2	15.5	-10.0	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
7.0	-12.6	7.9	-23.8	45.2	12.1	25.5	-30.7	-4.5	5.2	7.4	Manufacture of electric lighting equipment
8.0	-7.6	5.1	-1.3	8.9	-1.0	9.1	2.9	5.1	-7.7	-18.5	Manufacture of domestic appliances
12.6	-3.3	16.1	-15.9	14.9	10.1	-3.8	-1.2	7.1	-13.7	-3.1	Manufacture of other electrical equipment
19.9	-9.3	11.2	-21.5	23.8	0.02	0.6	-0.1	-1.0	-4.6	-5.6	Manufacture of general-purpose and special-purpose machinery
											Manufacture of fluid power equipment
8.2	-11.0	-4.1	-41.7	100.4	-0.3	7.3	-8.5	0.8	-30.2	-9.6	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
31.0	-5.3	5.9	-8.4	-6.4	0.3	9.8	-5.5	1.0	-10.8	-5.1	Manufacture of metal-forming machinery and machine tools
19.6	-13.6	18.6	-43.3	89.0	-6.5	-0.7	2.2	-10.1	4.1	0.4	Manufacture of air-conditioning machines, including for motor vehicles
25.5	-17.8	46.1	-22.9	-1.2	4.3	-1.5	-1.0	5.4	1.4	-10.0	Manufacture of other special-purpose machinery n.e.c.
11.0	-3.5	-3.9	-2.8	11.7	5.6	-6.7	5.9	3.6	-3.8	-9.2	Other industry
-0.1	-14.7	-33.3	32.5	0.5	37.5	29.2	9.2	-6.4	-21.3	-5.2	Manufacture of motor vehicles
24.0	-21.8	-26.4	-15.1	7.4	34.7	30.8	0.5	-6.9	0.2	-6.2	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-7.4	-8.4	-22.1	4.6	7.6	-3.4	27.4	5.4	-6.6	-1.6	-0.2	Manufacture of parts and accessories for motor vehicles
8.0	-31.2	20.2	-10.1	22.5	16.1	19.1	-7.8	-10.2	-7.1	-8.2	Building of ships and boats
-3.9	-22.8	-13.6	-10.2	16.9	2.6	15.4	21.2	-1.9	-1.3	-11.2	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
2.2	-12.8	-28.8	-6.7	2.1	-0.9	8.5	30.7	4.5	-3.2	-9.1	Manufacture of motorcycles
-7.0	-12.1	-54.2	9.6	86.5	6.2	11.3	2.1	5.3	-4.6	-17.9	Manufacture of bicycles and invalid carriages
-5.1	-33.0	23.2	-16.4	0.3	2.0	20.8	28.9	-7.7	1.2	-8.6	Other industry
-24.3	-2.4	-28.1	-27.4	57.5	33.7	15.4	10.2	-0.8	7.9	-11.2	Manufacture of furniture
-35.5	-2.8	-28.0	-28.1	46.3	16.6	18.2	20.3	0.6	12.2	-12.1	Manufacture of wooden and cane furniture
-2.9	-1.8	-28.2	-26.6	71.3	51.8	13.2	1.6	-2.2	3.4	-10.1	Other industry
35.3	-9.6	-47.0	-58.3	27.2	121.9	10.9	13.9	-2.7	11.6	-15.6	Manufacture of jewellery, bijouterie and related articles
2.1	-4.6	-9.8	3.5	9.0	6.4	1.5	-0.8	4.3	0.02	-2.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-4.1	-0.7	-13.3	-10.6	17.6	-18.0	11.3	2.0	4.9	0.8	-2.2	Manufacture of stationery
4.7	-6.1	-8.5	8.8	6.3	14.8	-0.9	-1.6	4.1	-0.2	-3.1	Other industry
6.2	-2.9	-27.4	-27.3	3.7	18.7	1.0	26.7	0.5	-0.3	1.1	Manufacture of sports goods
10.7	-4.5	-65.1	89.1	-18.3	67.5	11.1	-0.7	-2.9	1.2	-2.5	Manufacture of games and toys
-9.5	-31.7	-2.3	3.6	10.3	30.3	6.1	11.7	-8.1	-1.7	-7.7	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-12.7	-38.5	-0.9	4.9	9.2	61.1	-7.5	9.9	-2.4	-8.4	-2.0	Repair and maintenance of transport equipment except motorcycles and bicycles
-7.7	-28.1	-3.0	3.0	10.9	16.0	14.8	12.6	-11.0	2.1	-10.6	Other industry
2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	1.1	-3.4	-5.3	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
101	Pemprosesan dan pengawetan daging	12,814	12,960	13,127	12,857	13,232	12,814	13,037
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	15,575	15,912	16,475	15,905	15,933	15,575	16,315
	10201 & 10202 Pengetinan ikan, krustasea dan moluska	13,406	13,320	13,950	13,692	13,671	13,406	13,913
	Industri lain	2,169	2,592	2,525	2,213	2,261	2,169	2,402
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	11,201	10,179	11,631	12,237	11,266	11,201	11,339
	10303 & 10304 Pengetinan nanas	1,115	551	1,045	1,038	1,115	1,115	1,129
	Pembuatan jem, marmalad dan sajian jeli	10,085	9,628	10,586	11,200	10,151	10,085	10,210
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	77,283	79,500	78,905	80,319	79,604	77,283	77,416
	10404 & 10406 Pembuatan minyak sayuran mentah dan bertapis	3,633	3,832	3,780	3,533	3,659	3,633	3,686
	10405 Pembuatan sebatian lemak masakan	2,356	2,424	2,336	2,344	2,354	2,356	2,388
	Pembuatan minyak kelapa	71,293	73,243	72,788	74,442	73,591	71,293	71,342
105	Pembuatan produk tenusu	12,943	13,179	13,124	13,309	13,439	12,943	13,757
	10502 Pembuatan susu pekat, tepung dan sejat	9,487	9,781	9,768	9,689	9,851	9,487	10,152
	Industri lain	3,456	3,398	3,356	3,620	3,588	3,456	3,604
106	Pembuatan produk bijian, kanji dan produk berkanji	10,286	10,808	10,627	10,306	10,329	10,286	10,535
	10611 Pengilangan beras	4,638	4,849	4,838	4,715	4,762	4,638	4,881
	10613 Pengilangan tepung	4,630	4,889	4,693	4,613	4,611	4,630	4,640
	Industri lain	1,017	1,070	1,097	978	956	1,017	1,014
107	Pembuatan produk makanan lain	115,937	123,320	115,858	116,324	116,925	115,937	121,149
	10711 Pembuatan biskut dan cookies	12,112	14,344	11,802	12,110	12,289	12,112	11,993
	10712 Pembuatan roti, kek dan produk bakeri lain	28,158	30,260	29,805	28,496	28,624	28,158	28,682
	10713 Pembuatan produk snek	8,757	8,428	9,020	8,910	8,743	8,757	8,860
	10721 Pembuatan gula	1,823	1,765	2,041	2,047	1,818	1,823	1,818
	10731 Pembuatan produk koko	2,714	2,576	2,808	2,954	2,965	2,714	2,679
	10732 & 10733 Pembuatan coklat dan produk coklat	8,727	8,033	9,448	9,010	8,989	8,727	8,676
	10793 Pembuatan sos dan bahan perasa	8,441	9,997	8,110	8,368	8,456	8,441	9,512
	10799 Pembuatan produk makanan lain t.t.t.l.	12,699	13,664	11,563	12,032	12,179	12,699	14,596
	Industri lain	32,506	34,254	31,262	32,398	32,862	32,506	34,333
108/ 10800	Pembuatan makanan haiwan tersedia	17,920	14,893	19,028	18,858	19,003	17,920	17,733
110	Pembuatan minuman ringan	15,681	15,951	18,029	15,968	15,917	15,681	16,115
	11041 Pembuatan minuman ringan	10,302	10,302	11,857	10,480	10,399	10,302	10,327
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,144	3,995	4,626	4,228	4,238	4,144	4,227
	Industri lain	1,234	1,653	1,547	1,260	1,280	1,234	1,560
120/ 12000	Pembuatan produk tembakau	1,160	1,199	1,618	979	1,076	1,160	1,412
131	Pemintalan, penenunan dan penyiapan tekstil	13,348	13,289	14,524	14,020	13,556	13,348	13,445
	13101 & 13120 Penyediaan dan pemintalan gentian tekstil	9,775	9,209	10,137	10,008	9,904	9,775	9,712
	13132 Penenunan tekstil	2,880	3,647	3,578	3,280	2,906	2,880	3,054
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	693	433	809	732	746	693	679
139	Pembuatan tekstil lain	13,350	14,450	14,178	13,754	13,629	13,350	13,939
	13910 Pembuatan fabrik dikait dan dikrusye	5,321	5,901	5,639	5,405	5,428	5,321	5,448
	Industri lain	8,030	8,548	8,539	8,349	8,201	8,030	8,492
141	Pembuatan pakaian, kecuali pakaian berbulu	40,706	41,493	53,364	48,369	42,449	40,706	40,980
	14102 Pembuatan pakaian	29,245	30,181	40,554	36,534	30,868	29,245	29,357
	Industri lain	11,461	11,312	12,811	11,835	11,581	11,461	11,623
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,213	981	1,677	1,311	1,204	1,213	1,161
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,675	6,113	5,699	5,407	5,512	5,675	5,720
152	Pembuatan kasut	6,159	6,175	6,628	6,428	6,125	6,159	6,295
	15201 & 15203 Pembuatan kasut kulit	3,469	3,399	3,773	3,521	3,378	3,469	3,486
	Pembuatan kasut getah	2,690	2,776	2,854	2,907	2,746	2,690	2,809
	Industri lain	2,690	2,776	2,854	2,907	2,746	2,690	2,809
161/ 16100	Pengilangan dan pengetaman kayu	24,555	25,587	26,509	24,284	24,685	24,555	24,769

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
13,006	13,491	12,960	13,165	13,355	13,270	13,165	Processing and preserving of meat
15,839	15,917	15,912	16,388	16,022	16,365	16,388	Processing and preserving of fish, crustaceans and molluscs
							Canning of fish, crustaceans and molluscs
13,579	13,478	13,320	13,942	13,495	13,871	13,942	Processing, curing and preserving of fish, crustacean and molluscs
2,260	2,439	2,592	2,447	2,527	2,494	2,447	Other industry
11,265	10,290	10,179	11,497	10,568	11,652	11,497	Processing and preserving of fruits and vegetable
							Pineapple canning
1,109	546	551	1,140	522	1,151	1,140	Manufacture of jams, marmalades and table jellies
10,156	9,744	9,628	10,357	10,046	10,501	10,357	Other industry
77,731	79,380	79,500	77,611	80,192	77,593	77,611	Manufacture of vegetable and animal oils and fats
							Manufacture of crude and refined vegetable oil
3,657	3,657	3,832	3,594	3,789	3,591	3,594	Manufacture of compound cooking fats
2,363	2,362	2,424	2,385	2,456	2,366	2,385	Manufacture of coconut oil
71,711	73,361	73,243	71,631	73,947	71,636	71,631	Other industry
13,848	13,864	13,179	13,646	12,961	13,531	13,646	Manufacture of dairy products
10,194	10,245	9,781	10,117	9,531	10,077	10,117	Manufacture of condensed, powdered and evaporated milk
3,654	3,619	3,398	3,529	3,430	3,454	3,529	Other industry
10,530	10,852	10,808	10,528	10,877	10,592	10,528	Manufacture of grain mill products, starches and starch products
4,832	5,157	4,849	4,890	4,993	4,935	4,890	Rice milling
4,710	4,729	4,889	4,608	4,865	4,613	4,608	Flour milling
988	966	1,070	1,030	1,019	1,044	1,030	Other industry
121,787	122,231	123,320	121,010	126,006	120,777	121,010	Manufacture of other food products
11,983	11,983	14,344	12,052	14,462	12,108	12,052	Manufacture of biscuits and cookies
30,085	30,498	30,260	28,679	29,442	28,656	28,679	Manufacture of bread, cakes and other bakery products
8,815	8,428	8,428	8,952	8,424	9,045	8,952	Manufacture of snack products
1,799	1,822	1,765	1,816	1,769	1,814	1,816	Manufacture of sugar
2,634	2,603	2,576	2,695	2,601	2,712	2,695	Manufacture of cocoa products
							Manufacture of chocolate and chocolate products
8,561	8,433	8,033	8,742	7,868	8,793	8,742	Manufacture of sugar confectionery
9,316	9,413	9,997	9,581	10,646	9,656	9,581	Manufacture of sauces and condiments
14,380	14,432	13,664	14,504	15,643	14,006	14,504	Manufacture of other food products n.e.c.
34,213	34,619	34,254	33,989	35,152	33,987	33,989	Other industry
17,700	15,829	14,893	17,728	14,866	17,699	17,728	Manufacture of prepared animal feeds
15,637	16,029	15,951	16,067	16,283	15,982	16,067	Manufacture of beverages
10,195	10,108	10,302	10,293	10,524	10,257	10,293	Manufacture of soft drinks
3,960	4,063	3,995	4,216	3,940	4,204	4,216	Production of natural mineral waters and other bottled waters
1,482	1,859	1,653	1,558	1,819	1,521	1,558	Other industry
1,151	1,196	1,199	1,429	1,432	1,243	1,429	Manufacture of tobacco products
13,081	13,173	13,289	13,410	13,126	13,250	13,410	Spinning, weaving and finishing of textiles
							Preparation and spinning of textile fibres
9,494	9,252	9,209	9,757	9,033	9,672	9,757	Weaving of textiles
3,055	3,373	3,647	2,951	3,601	2,852	2,951	Dyeing, bleaching, printing and finishing of yarns and fabrics
532	548	433	702	492	727	702	Other industry
13,946	14,120	14,450	13,856	14,393	13,997	13,856	Manufacture of other textiles
5,592	5,721	5,901	5,470	5,935	5,484	5,470	Manufacture of knitted and crocheted fabrics
8,354	8,400	8,548	8,385	8,458	8,513	8,385	Other industry
39,166	38,661	41,493	40,988	42,095	40,744	40,988	Manufacture of wearing apparel, except fur apparel
28,689	28,387	30,181	29,335	30,185	29,105	29,335	Manufacture of clothings
10,477	10,273	11,312	11,654	11,909	11,639	11,654	Other industry
1,152	963	981	1,183	1,010	1,162	1,183	Manufacture of articles of fur, knitted and crocheted apparel
5,553	5,918	6,113	5,762	6,113	5,684	5,762	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
6,073	6,067	6,175	6,441	6,586	6,339	6,441	Manufacture of footwear
							Manufacture of leather footwear
3,312	3,238	3,399	3,595	3,639	3,553	3,595	Manufacture of rubber footwear
2,760	2,829	2,776	2,846	2,947	2,786	2,846	Other industry
22,858	25,401	25,587	24,852	25,797	24,817	24,852	Sawmilling and planning of wood

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

1.5a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh					
		Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	13,037	13,035	13,041	13,006	12,996
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,315	16,127	15,947	15,839	15,858
	10201 & 10202 Pengetinan ikan, krustasea dan moluska	13,913	13,758	13,609	13,579	13,495
	Industri lain	2,402	2,370	2,338	2,260	2,363
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	11,339	11,403	11,272	11,265	11,362
	10303 & 10304 Pengetinan nanas	1,129	1,114	1,112	1,109	1,103
	Industri lain	10,210	10,289	10,160	10,156	10,259
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	77,416	77,445	77,719	77,731	78,412
	10404 & 10406 Pembuatan minyak sayuran mentah dan bertapis	3,686	3,656	3,685	3,657	3,657
	10405 Pembuatan sebatian lemak masakan	2,388	2,372	2,363	2,363	2,340
	Industri lain	71,342	71,417	71,671	71,711	72,415
105	Pembuatan produk tenusu	13,757	13,896	13,855	13,848	13,799
	10502 Pembuatan susu pekat, tepung dan sejat	10,152	10,222	10,191	10,194	10,174
	Industri lain	3,604	3,674	3,664	3,654	3,625
106	Pembuatan produk bijian, kanji dan produk berkanji	10,535	10,501	10,548	10,530	10,517
	10611 Pengilangan beras	4,881	4,836	4,854	4,832	4,821
	10613 Pengilangan tepung	4,640	4,652	4,703	4,710	4,715
	Industri lain	1,014	1,013	991	988	981
107	Pembuatan produk makanan lain	121,149	121,472	120,666	121,787	122,035
	10711 Pembuatan biskut dan cookies	11,993	12,107	11,940	11,983	11,870
	10712 Pembuatan roti, kek dan produk bakeri lain	28,682	29,196	29,021	30,085	30,156
	10713 Pembuatan produk snek	8,860	8,804	8,769	8,815	8,760
	10721 Pembuatan gula	1,818	1,806	1,801	1,799	1,793
	10731 Pembuatan produk koko	2,679	2,655	2,622	2,634	2,641
	10732 & 10733 Pembuatan coklat dan produk coklat	8,676	8,661	8,625	8,561	8,493
	10793 Pembuatan sos dan bahan perasa	9,512	9,470	9,401	9,316	9,274
	10799 Pembuatan produk makanan lain t.t.t.l.	14,596	14,383	14,317	14,380	14,471
	Industri lain	34,333	34,391	34,171	34,213	34,578
108/ 10800	Pembuatan makanan haiwan tersedia	17,733	17,794	17,766	17,700	18,037
110	Pembuatan minuman ringan	16,115	15,961	15,845	15,637	15,622
	11041 Pembuatan minuman ringan	10,327	10,252	10,185	10,195	10,065
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang diibotalkan	4,227	4,165	4,124	3,960	4,091
	Industri lain	1,560	1,544	1,536	1,482	1,466
120/ 12000	Pembuatan produk tembakau	1,412	1,153	1,157	1,151	1,113
131	Pemintalan, penenunan dan penyiapan tekstil	13,445	13,427	13,458	13,081	12,925
	13110 & 13120 Penyediaan dan pemintalan gentian tekstil	9,712	9,686	9,671	9,494	9,371
	13132 Penenunan tekstil	3,054	3,070	3,070	3,055	3,122
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	679	671	717	532	432
	Industri lain	679	671	717	532	432
139	Pembuatan tekstil lain	13,939	13,967	14,243	13,946	13,938
	13910 Pembuatan fabrik dikait dan dikrusye	5,448	5,496	5,613	5,592	5,595
	Industri lain	8,492	8,471	8,630	8,354	8,343
141	Pembuatan pakaian, kecuali pakaian berbulu	40,980	40,804	41,302	39,166	38,873
	14102 Pembuatan pakaian	29,357	29,329	29,885	28,689	28,505
	Industri lain	11,623	11,475	11,417	10,477	10,368
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,161	1,157	1,152	1,152	1,149
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,720	5,718	5,754	5,553	5,443
152	Pembuatan kasut	6,295	6,324	6,327	6,073	5,985
	15201 & 15203 Pembuatan kasut kulit	3,486	3,529	3,543	3,312	3,293
	Industri lain	2,809	2,795	2,784	2,760	2,692
161/ 16100	Pengilangan dan pengetaman kayu	24,769	24,984	24,965	22,858	24,440

2021			2022				Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
12,918	13,491	13,120	13,068	12,960	13,438	13,355	Processing and preserving of meat
15,745	15,917	15,785	15,681	15,912	16,312	16,022	Processing and preserving of fish, crustaceans and molluscs
							Canning of fish, crustaceans and molluscs
13,399	13,478	13,344	13,152	13,320	13,735	13,495	Processing, curing and preserving of fish, crustacean and molluscs
2,346	2,439	2,441	2,529	2,592	2,577	2,527	Other industry
10,436	10,290	10,063	9,990	10,179	10,668	10,568	Processing and preserving of fruits and vegetable
							Pineapple canning
550	546	545	537	551	527	522	Manufacture of jams, marmalades and table jellies
9,886	9,744	9,518	9,453	9,628	10,141	10,046	Other industry
78,352	79,380	77,830	79,039	79,500	79,650	80,192	Manufacture of vegetable and animal oils and fats
							Manufacture of crude and refined vegetable oil
3,663	3,657	3,657	3,826	3,832	3,776	3,789	Manufacture of compound cooking fats
2,359	2,362	2,362	2,428	2,424	2,442	2,456	Manufacture of coconut oil
72,329	73,361	71,811	72,785	73,243	73,433	73,947	Other industry
13,853	13,864	13,236	13,176	13,179	12,995	12,961	Manufacture of dairy products
10,252	10,245	9,767	9,765	9,781	9,570	9,531	Manufacture of condensed, powdered and
3,601	3,619	3,468	3,411	3,398	3,425	3,430	Other industry
10,620	10,852	10,806	10,725	10,808	10,872	10,877	Manufacture of grain mill products, starches and starch products
4,991	5,157	5,116	4,882	4,849	4,954	4,993	Rice milling
4,687	4,729	4,708	4,808	4,889	4,895	4,865	Flour milling
942	966	982	1,035	1,070	1,023	1,019	Other industry
121,830	122,231	121,961	123,360	123,320	126,212	126,006	Manufacture of other food products
11,854	11,983	12,308	14,468	14,344	14,445	14,462	Manufacture of biscuits and cookies
30,285	30,498	30,053	30,196	30,260	30,572	29,442	Manufacture of bread, cakes and other bakery
8,731	8,428	8,362	8,389	8,428	8,466	8,424	Manufacture of snack products
1,815	1,822	1,770	1,735	1,765	1,762	1,769	Manufacture of sugar
2,610	2,603	2,519	2,555	2,576	2,590	2,601	Manufacture of cocoa products
							Manufacture of chocolate and chocolate products
8,484	8,433	8,490	8,030	8,033	7,858	7,868	Manufacture of sugar confectionery
9,316	9,413	9,463	9,868	9,997	10,313	10,646	Manufacture of sauces and condiments
14,164	14,432	14,300	13,720	13,664	15,099	15,643	Manufacture of other food products n.e.c.
34,573	34,619	34,697	34,399	34,254	35,109	35,152	Other industry
15,819	15,829	15,484	15,071	14,893	14,973	14,866	Manufacture of prepared animal feeds
15,995	16,029	15,759	15,759	15,951	16,109	16,283	Manufacture of beverages
10,070	10,108	10,113	10,143	10,302	10,288	10,524	Manufacture of soft drinks
4,064	4,063	3,901	3,986	3,995	4,029	3,940	Production of natural mineral waters and other bottled waters
1,861	1,859	1,746	1,629	1,653	1,793	1,819	Other industry
1,061	1,196	1,198	1,199	1,199	1,288	1,432	Manufacture of tobacco products
13,160	13,173	13,295	13,064	13,289	13,133	13,126	Spinning, weaving and finishing of textiles
							Preparation and spinning of textile fibres
9,276	9,252	9,215	9,216	9,209	9,003	9,033	Weaving of textiles
3,244	3,373	3,548	3,415	3,647	3,639	3,601	Dyeing, bleaching, printing and finishing of yarns and fabrics
640	548	532	433	433	491	492	Other industry
13,942	14,120	14,090	14,464	14,450	14,477	14,393	Manufacture of other textiles
5,576	5,721	5,751	5,863	5,901	5,941	5,935	Manufacture of knitted and crocheted fabrics
8,366	8,400	8,339	8,601	8,548	8,536	8,458	Other industry
39,261	38,661	38,498	41,287	41,493	41,677	42,095	Manufacture of wearing apparel, except fur apparel
28,850	28,387	28,141	30,074	30,181	29,823	30,185	Manufacture of clothings
10,410	10,273	10,357	11,214	11,312	11,854	11,909	Other industry
961	963	930	965	981	1,009	1,010	Manufacture of articles of fur, knitted and crocheted apparel
							Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
5,692	5,918	6,090	6,122	6,113	6,089	6,113	Manufacture of footwear
							Manufacture of leather footwear
3,261	3,238	3,335	3,396	3,399	3,581	3,639	Manufacture of rubber footwear
2,678	2,829	2,810	2,790	2,776	2,830	2,947	Other industry
24,881	25,401	25,365	25,505	25,587	25,901	25,797	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	66,572	67,877	71,607	67,758	67,975	66,572	65,389
16211	Pembuatan kepingan venier dan papan lapis	37,402	37,770	42,709	38,814	38,768	37,402	36,056
16212	Pembuatan papan partikel dan papan gentian	6,938	6,751	7,637	7,046	6,974	6,938	6,979
16221	Pertukangan kayu untuk jurubina	11,223	11,216	10,638	11,107	11,324	11,223	11,560
	Industri lain	11,010	12,141	10,623	10,791	10,909	11,010	10,794
170	Pembuatan kertas dan produk kertas	54,294	56,213	57,106	52,828	53,264	54,294	55,320
17010	Pembuatan pulpa, kertas dan kertas tebal	8,193	8,792	8,089	7,920	8,036	8,193	8,308
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	21,987	22,313	23,073	20,996	21,518	21,987	22,190
17091	Pembuatan sampul surat dan kad surat	1,804	1,697	1,981	1,764	1,786	1,804	1,858
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,360	10,976	11,260	10,248	10,213	10,360	10,459
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	6,705	7,192	7,314	6,674	6,503	6,705	7,194
	Industri lain	5,245	5,243	5,389	5,227	5,209	5,245	5,312
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	65,015	67,428	66,434	63,311	63,738	65,015	65,618
18110	Percetakan	52,308	54,714	53,924	50,676	50,974	52,308	52,886
18120	Aktiviti perkhidmatan berkaitan percetakan	12,707	12,714	12,511	12,636	12,764	12,707	12,733
	&							
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	16,623	17,093	18,013	15,901	16,311	16,623	17,207
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	50,632	46,703	55,301	48,601	49,921	50,632	49,516
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	6,726	5,496	7,456	6,394	6,540	6,726	7,226
20112	Pembuatan kimia organik asas	16,622	18,092	17,091	15,957	16,248	16,622	16,731
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja	11,002	9,123	11,537	10,507	10,762	11,002	11,372
20129	Pembuatan produk campuran nitrogen	13,911	11,283	16,930	13,427	14,003	13,911	11,713
20131	Pembuatan plastik dalam bentuk primer	2,372	2,710	2,289	2,315	2,368	2,372	2,474
	Industri lain							
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	50,796	54,990	54,136	50,638	51,320	50,796	55,458
20210	Pembuatan racun perosak dan produk agrokimia lain	3,426	4,044	3,407	3,416	3,456	3,426	3,912
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,113	9,483	11,685	10,278	10,087	10,113	12,081
20222	Pembuatan dakwat cetak	3,946	4,911	4,018	4,006	4,023	3,946	4,856
20231	Pembuatan sabun dan bahan pencuci, penyediaan	20,518	20,535	20,756	19,982	20,800	20,518	20,838
20232	membersih dan mengilat							
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan							
20292	other sensitized unexposed materials	12,280	15,564	13,759	12,455	12,458	12,280	13,272
20292	Pembuatan dakwat menulis dan melukis							
20299	Pembuatan produk kimia lain t.t.t.l.	514	454	510	501	496	514	499
	Industri lain							
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	23,344	25,092	20,994	23,540	23,751	23,344	23,420
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	16,629	18,048	14,985	16,766	16,948	16,629	16,716
	Industri lain	6,714	7,044	6,009	6,773	6,803	6,714	6,704
221	Pembuatan produk getah	121,606	122,498	118,149	119,860	121,348	121,606	122,761
22111	Pembuatan tayar getah untuk kenderaan	7,319	7,048	8,190	7,792	7,657	7,319	7,227
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,147	2,209	2,140	2,297	2,185	2,147	2,066
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	18,011	16,796	17,557	18,064	18,262	18,011	17,964
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	63,169	63,232	61,631	62,547	62,555	63,169	63,932
22199	Pembuatan produk getah lain yang t.t.t.l.	30,960	33,212	28,631	29,160	30,689	30,960	31,573
222	Pembuatan produk plastik	154,318	153,940	149,699	153,332	154,603	154,318	155,602
22201	Pembuatan produk plastik separa siap	35,653	33,803	33,520	34,296	35,645	35,653	35,213
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan baranaan	46,609	48,456	44,498	46,483	46,888	46,609	46,979
22204	Pembuatan barangan plastik jurubina	3,338	3,345	3,569	3,351	3,332	3,338	3,463
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	12,867	12,961	12,027	12,638	12,871	12,867	13,249
22209	Pembuatan pelbagai produk plastik t.t.t.l.	55,851	55,375	56,085	56,564	55,867	55,851	56,698
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	17,853	18,828	18,226	17,758	17,755	17,853	18,144

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
65,967	67,726	67,877	66,363	67,654	67,192	66,363	Manufacture of products of wood, cork, straw and plaiting materials
36,327	38,302	37,770	36,608	36,803	37,144	36,608	Manufacture of veneer sheets and plywood
6,513	6,360	6,751	6,968	6,912	6,957	6,968	Manufacture of particle board and fibreboard
11,892	11,920	11,216	11,691	11,258	11,803	11,691	Manufacture of builders' carpentry
11,235	11,144	12,141	11,097	12,681	11,289	11,097	Other industry
54,235	54,814	56,213	55,359	57,016	55,040	55,359	Manufacture of paper and paper products
8,058	8,132	8,792	8,271	8,720	8,234	8,271	Manufacture of pulp, paper and paperboard
22,041	22,055	22,313	22,128	22,635	22,014	22,128	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,811	1,787	1,697	1,873	1,730	1,888	1,873	Manufacture of envelopes and letter-card
10,350	10,366	10,976	10,506	10,972	10,546	10,506	Manufacture of household and personal hygiene paper
6,800	7,256	7,192	7,183	7,527	6,861	7,183	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,174	5,217	5,243	5,398	5,431	5,497	5,398	Other industry
63,077	62,499	67,428	65,262	67,331	65,218	65,262	Printing, service activities related to printing and reproduction of recorded media
50,851	50,324	54,714	52,566	54,616	52,551	52,566	Printing
12,226	12,175	12,714	12,696	12,715	12,667	12,696	Service activities related to printing
							Reproduction of recorded media
16,812	17,148	17,093	16,792	17,282	16,790	16,792	Manufacture of refined petroleum products
47,941	48,207	46,703	49,469	47,364	49,507	49,469	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
7,174	7,312	5,496	7,260	5,582	7,293	7,260	Manufacture of liquefied or compressed inorganic industrial or medical gases
16,380	16,537	18,092	16,776	18,175	16,822	16,776	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
10,368	10,481	9,123	11,304	9,576	11,337	11,304	Manufacture of fertilizers
11,622	11,441	11,283	11,665	11,221	11,616	11,665	Manufacture of associated nitrogen products
2,397	2,436	2,710	2,465	2,809	2,438	2,465	Manufacture of plastics in primary forms
							Other industry
53,701	53,091	54,990	52,560	54,781	52,650	52,560	Manufacture of other chemical products and man-made fibres
3,852	3,826	4,044	4,022	3,953	4,134	4,022	Manufacture of pesticides and other agrochemical products
10,065	9,795	9,483	10,150	9,510	10,471	10,150	Manufacture of paints, varnishes and similar coatings ink and mastics
4,893	4,893	4,911	3,949	4,911	3,946	3,949	Manufacture of printing ink
21,010	20,643	20,535	20,755	20,381	20,672	20,755	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
13,379	13,436	15,564	13,181	15,558	12,918	13,181	Manufacture of writing and drawing ink
							Manufacture of other chemical products n.e.c.
502	497	454	504	468	509	504	Other industry
26,265	26,547	25,092	23,477	24,817	23,328	23,477	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,571	18,614	18,048	16,762	17,718	16,602	16,762	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
7,694	7,932	7,044	6,715	7,099	6,726	6,715	Other industry
127,350	125,645	122,498	121,922	124,663	122,565	121,922	Manufacture of rubber products
7,869	6,885	7,048	7,330	7,228	7,433	7,330	Manufacture of rubber tyres for vehicles
1,945	2,046	2,209	2,104	2,129	2,145	2,104	Manufacture of interchangeable tyre treads and retreading rubber tyres
17,930	17,343	16,796	17,851	16,741	18,074	17,851	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
							Rubber remilling and latex processing
67,375	67,256	63,232	63,109	64,940	63,233	63,109	Manufacture of rubber gloves
32,231	32,114	33,212	31,528	33,625	31,679	31,528	Manufacture of other rubber products n.e.c.
155,262	152,014	153,940	155,614	151,129	156,350	155,614	Manufacture of plastics products
							Manufacture of semi-manufactures of plastic products
35,656	34,467	33,803	35,337	33,192	35,674	35,337	Manufacture of finished plastic products
47,228	46,712	48,456	47,144	47,285	47,579	47,144	Manufacture of plastic articles for the packing of goods
3,327	3,332	3,345	3,455	3,357	3,434	3,455	Manufacture of builders' plastics ware
13,124	12,920	12,961	13,143	14,887	13,118	13,143	Manufacture of plastic tableware, kitchenware and toilet articles
55,927	54,582	55,375	56,535	52,408	56,545	56,535	Manufacture of diverse plastic products n.e.c.
17,782	17,490	18,828	18,088	18,882	18,034	18,088	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh					
		Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	65,389	65,106	67,657	65,967	66,545
16211	Pembuatan kepingan venier dan papan lapis	36,056	35,781	37,475	36,327	36,914
16212	Pembuatan papan partikel dan papan gentian	6,979	6,938	6,940	6,513	6,490
16221	Pertukangan kayu untuk jurubina	11,560	11,694	11,913	11,892	11,847
	Industri lain	10,794	10,693	11,329	11,235	11,293
170	Pembuatan kertas dan produk kertas	55,320	54,957	54,800	54,235	53,891
17010	Pembuatan pulpa, kertas dan kertas tebal	8,308	8,218	8,182	8,058	8,055
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	22,190	22,026	22,029	22,041	21,294
17091	Pembuatan sampul surat dan kad surat	1,858	1,819	1,814	1,811	1,804
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,459	10,430	10,368	10,350	10,298
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,194	7,133	7,117	6,800	7,231
	Industri lain	5,312	5,332	5,291	5,174	5,209
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	65,618	63,679	63,844	63,077	62,788
18110	Percetakan	52,886	51,263	51,435	50,851	50,608
18120	Aktiviti perkhidmatan berkaitan percetakan					
&		12,733	12,416	12,410	12,226	12,181
18200	Penerbitan semula media rakaman					
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,207	16,752	16,759	16,812	17,135
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	49,516	48,366	48,155	47,941	48,372
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	7,226	7,226	7,136	7,174	7,260
20112	Pembuatan kimia organik asas					
&		16,731	16,637	16,612	16,380	16,632
20113	Pembuatan sebatian bukan organik					
20121	Pembuatan baja					
&		11,372	10,394	10,377	10,368	10,545
20129	Pembuatan produk campuran nitrogen					
20131	Pembuatan plastik dalam bentuk primer	11,713	11,706	11,615	11,622	11,549
	Industri lain	2,474	2,403	2,414	2,397	2,386
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	55,458	53,088	53,548	53,701	53,114
20210	Pembuatan racun perosak dan produk agrokimia lain	3,912	3,902	3,854	3,852	3,846
20221	Pembuatan cat, varnis dan penyadur dan mastik	12,081	10,108	10,074	10,065	10,073
20222	Pembuatan dakwat cetak	4,856	4,790	4,802	4,893	4,902
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	20,838	20,552	21,060	21,010	20,604
20232	Pembuatan pewangi dan penyediaan dandanan diri					
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials					
&		13,272	13,239	13,261	13,379	13,189
20292	Pembuatan dakwat menulis dan melukis					
&						
20299	Pembuatan produk kimia lain t.t.t.l.					
	Industri lain	499	497	496	502	500
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	23,420	26,421	26,220	26,265	26,471
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	16,716	18,728	18,593	18,571	18,706
	Industri lain	6,704	7,694	7,628	7,694	7,765
221	Pembuatan produk getah	122,761	127,930	127,583	127,350	126,402
22111	Pembuatan tayar getah untuk kenderaan	7,227	7,868	7,887	7,869	6,925
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,066	2,134	2,056	1,945	1,955
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan					
&		17,964	18,257	18,010	17,930	18,092
22193	Pengilangan semula getah dan prosesan susu getah					
22192	Pembuatan sarung tangan getah	63,932	66,952	67,031	67,375	67,244
22199	Pembuatan produk getah lain yang t.t.t.l.	31,573	32,720	32,599	32,231	32,186
222	Pembuatan produk plastik	155,602	157,585	157,137	155,262	154,029
22201	Pembuatan produk plastik separa siap					
&		35,213	36,530	36,348	35,656	34,894
22202	Pembuatan produk plastik siap					
22203	Pembuatan artikel plastik untuk pembungkusan baranaan	46,979	47,556	47,488	47,228	46,731
22204	Pembuatan barangan plastik jurubina	3,463	3,452	3,417	3,327	3,338
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	13,249	13,295	13,298	13,124	12,855
22209	Pembuatan pelbagai produk plastik t.t.t.l.	56,698	56,753	56,585	55,927	56,211
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	18,144	18,253	18,032	17,782	17,691

2021					2022		Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
66,584	67,726	67,613	68,602	67,877	67,971	67,654	Manufacture of products of wood, cork, straw and plaiting materials
37,159	38,302	37,726	38,045	37,770	37,144	36,803	Manufacture of veneer sheets and plywood
6,440	6,360	6,450	6,696	6,751	6,880	6,912	Manufacture of particle board and fibreboard
11,837	11,920	12,021	11,401	11,216	11,224	11,258	Manufacture of builders' carpentry
11,148	11,144	11,416	12,460	12,141	12,723	12,681	Other industry
53,894	54,814	55,655	56,618	56,213	56,584	57,016	Manufacture of paper and paper products
7,984	8,132	8,720	8,785	8,792	8,814	8,720	Manufacture of pulp, paper and paperboard
21,579	22,055	22,407	22,432	22,313	22,280	22,635	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,794	1,787	1,773	1,711	1,697	1,746	1,730	Manufacture of envelopes and letter-card
10,254	10,366	10,337	11,223	10,976	11,052	10,972	Manufacture of household and personal hygiene paper
7,187	7,256	7,192	7,195	7,192	7,232	7,527	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,096	5,217	5,226	5,272	5,243	5,460	5,431	Other industry
62,872	62,499	65,050	67,089	67,428	67,482	67,331	Printing, service activities related to printing and reproduction of recorded media
50,627	50,324	52,451	54,398	54,714	54,758	54,616	Printing
12,244	12,175	12,600	12,691	12,714	12,724	12,715	Service activities related to printing
							Reproduction of recorded media
17,138	17,148	17,060	16,982	17,093	17,035	17,282	Manufacture of refined petroleum products
48,356	48,207	47,951	46,707	46,703	46,975	47,364	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber
7,264	7,312	7,243	5,504	5,496	5,652	5,582	Manufacture of liquefied or compressed inorganic industrial or medical gases
16,613	16,537	16,634	17,993	18,092	18,105	18,175	Manufacture of basic organic chemicals
							Manufacture of inorganic compounds
10,554	10,481	10,370	9,222	9,123	9,231	9,576	Manufacture of fertilizers
11,515	11,441	11,274	11,307	11,283	11,210	11,221	Manufacture of associated nitrogen products
2,410	2,436	2,430	2,680	2,710	2,777	2,809	Manufacture of plastics in primary forms
							Other industry
52,958	53,091	54,577	55,293	54,990	55,367	54,781	Manufacture of other chemical products and man-made fibres
3,822	3,826	3,848	4,005	4,044	4,066	3,953	Manufacture of pesticides and other agrochemical
9,989	9,795	9,821	9,603	9,483	9,832	9,510	Manufacture of paints, varnishes and similar
4,890	4,893	4,796	4,914	4,911	4,918	4,911	Manufacture of printing ink
20,545	20,643	20,604	20,680	20,535	20,543	20,381	Manufacture of soap and detergents, cleaning and polishing preparations
							Manufacture of perfumes and toilet preparations
13,211	13,436	15,011	15,635	15,564	15,544	15,558	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.
500	497	497	457	454	464	468	Other industry
26,721	26,547	26,387	25,048	25,092	24,691	24,817	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,849	18,614	18,662	18,112	18,048	17,532	17,718	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
7,872	7,932	7,725	6,937	7,044	7,159	7,099	Other industry
125,912	125,645	125,212	122,967	122,498	125,135	124,663	Manufacture of rubber products
6,910	6,885	6,839	6,925	7,048	7,166	7,228	Manufacture of rubber tyres for vehicles
2,013	2,046	2,085	2,235	2,209	2,218	2,129	Manufacture of interchangeable tyre treads and retreading rubber tyres
17,962	17,343	17,133	16,836	16,796	16,928	16,741	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
67,042	67,256	66,857	63,588	63,232	65,383	64,940	Rubber remillina and latex processing
31,986	32,114	32,299	33,384	33,212	33,441	33,625	Manufacture of rubber gloves
							Manufacture of other rubber products n.e.c.
153,404	152,014	152,499	153,703	153,940	152,343	151,129	Manufacture of plastics products
34,573	34,467	34,547	33,870	33,803	33,435	33,192	Manufacture of semi-manufactures of plastic products
46,636	46,712	47,132	48,154	48,456	47,719	47,285	Manufacture of finished plastic products
3,349	3,332	3,374	3,332	3,345	3,375	3,357	Manufacture of plastic articles for the packing of goods
12,925	12,920	12,999	13,012	12,961	14,888	14,887	Manufacture of builders' plastics ware
55,920	54,582	54,447	55,334	55,375	52,926	52,408	Manufacture of plastic tableware, kitchenware and toilet articles
							Manufacture of diverse plastic products n.e.c.
17,714	17,490	18,012	17,921	18,828	19,062	18,882	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	85,533	86,772	88,110	86,965	86,012	85,533	86,053
23911	Pembuatan mortar refraktori dan konkrit							
& 23921	Pembuatan seramik bukan refraktori	11,012	11,409	11,941	11,594	11,201	11,012	11,682
23930	Pembuatan produk porselin dan seramik lain	5,438	5,100	5,071	5,328	5,460	5,438	5,171
23941	Pembuatan simen hidrolik	7,223	7,667	7,550	7,601	7,192	7,223	7,393
23951	Pembuatan komponen struktur pasang siap untuk banchuan kering	15,696	16,004	17,306	16,300	16,210	15,696	14,953
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	29,327	30,295	28,749	29,165	28,939	29,327	29,886
& 23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.							
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,190	8,590	8,798	8,282	8,319	8,190	8,351
	Industri lain	8,647	7,707	8,696	8,695	8,692	8,647	8,618
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	53,365	54,326	51,025	49,504	49,416	53,365	52,662
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,793	41,977	45,770	42,855	42,862	42,793	43,467
243	Pengacuan logam	14,524	14,773	15,172	14,312	14,564	14,524	15,603
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,344	59,684	54,737	58,265	59,964	60,344	61,301
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	41,143	40,418	37,538	40,089	41,064	41,143	42,112
& 25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	10,782	10,948	9,494	9,767	10,503	10,782	10,747
	Industri lain	8,419	8,319	7,705	8,409	8,397	8,419	8,443
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	94,309	96,998	94,510	93,929	94,080	94,309	96,655
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	21,355	21,823	20,008	20,832	21,115	21,355	21,586
25920	Rawatan dan penyalutan logam; menggunakan	11,576	12,158	11,104	11,143	11,026	11,576	12,771
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,766	7,800	7,810	7,620	7,653	7,766	7,681
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam							
& 25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	19,267	19,308	19,576	19,573	19,455	19,267	18,955
25994	Pembuatan barangan rumah daripada logam	3,451	3,194	3,599	3,547	3,526	3,451	3,528
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	20,712	22,227	21,327	21,080	20,969	20,712	21,812
	Industri lain	10,183	10,488	11,086	10,133	10,335	10,183	10,322
261	Pembuatan komponen dan papan elektronik	200,705	218,374	207,383	196,237	196,263	200,705	204,576
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya							
& 26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	111,358	119,761	117,659	110,928	110,178	111,358	113,322
26103	Pembuatan kapasitor dan perintang elektrik							
& 26104	Pembuatan papan litar bercetak	75,518	84,490	74,825	71,499	72,597	75,518	77,520
& 26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	13,829	14,124	14,899	13,809	13,488	13,829	13,734
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	60,287	65,839	64,908	58,939	59,368	60,287	61,218
263/ 26300	Pembuatan peralatan komunikasi	23,686	24,324	23,102	22,636	23,315	23,686	23,250
264/ 26400	Pembuatan peralatan elektronik pengguna	33,999	33,782	34,097	34,060	34,672	33,999	33,624
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	27,479	29,332	30,141	27,862	27,589	27,479	28,566
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	21,067	22,605	22,964	21,329	21,117	21,067	22,007
& 26512	Pembuatan kelengkapan kawalan proses							
26520	Pembuatan jam tangan dan jam dan bahagiannya	6,412	6,727	7,176	6,533	6,472	6,412	6,558
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	12,909	12,927	13,999	12,811	12,822	12,909	12,881

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
84,988	86,338	86,772	85,584	86,032	87,300	85,584	Manufacture of non-metallic mineral products n.e.c. <i>Manufacture of refractory mortars and concretes</i>
11,585	11,268	11,409	11,074	10,459	11,381	11,074	<i>Manufacture of non-refractory ceramic</i>
5,271	5,025	5,100	5,195	5,132	5,501	5,195	<i>Manufacture of other porcelain and ceramic products</i>
7,392	7,368	7,667	7,387	7,697	7,393	7,387	<i>Manufacture of hydraulic cement</i>
15,129	16,178	16,004	15,022	15,368	16,036	15,022	<i>Manufacture of ready-mix and dry-mix concrete and mortars</i>
							<i>Manufacture of precast concrete, cement or artificial stone articles for use in construction</i>
28,821	29,458	30,295	29,743	30,287	29,660	29,743	<i>Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone</i>
							<i>Manufacture of other articles of concrete, cement and plaster n.e.c.</i>
8,199	8,417	8,590	8,383	9,021	8,366	8,383	<i>Manufacture of other non-metallic mineral products n.e.c.</i>
8,591	8,624	7,707	8,780	8,067	8,963	8,780	<i>Other industry</i>
51,756	50,739	54,326	52,823	52,709	54,315	52,823	Manufacture of basic iron and steel
41,629	41,662	41,977	43,551	43,684	42,928	43,551	Manufacture of basic precious and other non-ferrous metals
14,511	14,507	14,773	15,068	15,691	14,616	15,068	Casting of metals
57,540	59,885	59,684	60,608	59,357	60,676	60,608	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
39,080	41,148	40,418	41,402	40,308	41,406	41,402	<i>Manufacture of metal doors, windows and their frames, shutters and gates</i>
							<i>Manufacture of other structural metal products</i>
10,497	10,807	10,948	10,770	10,907	10,786	10,770	<i>Manufacture of tanks, reservoirs and containers of metal</i>
7,963	7,930	8,319	8,436	8,142	8,484	8,436	<i>Other industry</i>
94,320	94,729	96,998	95,656	97,873	94,941	95,656	Manufacture of other fabricated metal products; metal working service activities
21,444	21,559	21,823	21,738	22,104	21,776	21,738	<i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>
11,930	11,648	12,158	12,221	12,636	11,649	12,221	<i>Treatment and coating of metals; machining</i>
7,596	7,470	7,800	7,784	7,881	7,878	7,784	<i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i>
							<i>Manufacture of metal cable, plaited bands and similar articles</i>
18,562	19,134	19,308	19,074	19,230	19,311	19,074	<i>Manufacture of bolts, screws, nuts and similar threaded products</i>
3,141	3,064	3,194	3,492	3,202	3,457	3,492	<i>Manufacture of metal household articles</i>
21,518	21,619	22,227	21,221	22,213	20,731	21,221	<i>Manufacture of any other fabricated metal products n.e.c.</i>
10,127	10,236	10,488	10,126	10,607	10,139	10,126	<i>Other industry</i>
209,068	211,084	218,374	203,356	219,452	200,915	203,356	Manufacture of electronic components and boards <i>Manufacture of diodes, transistors and similar semiconductor devices</i>
116,030	118,140	119,761	112,907	119,920	111,476	112,907	<i>Manufacture of electronic integrated circuits micro assemblies</i>
							<i>Manufacture of electrical capacitors and resistors</i>
78,999	79,110	84,490	76,630	85,312	75,637	76,630	<i>Manufacture of printed circuit boards</i>
							<i>Manufacture of display components</i>
14,039	13,835	14,124	13,819	14,220	13,802	13,819	<i>Manufacture of other components for electronic applications</i>
61,865	63,876	65,839	61,454	66,213	61,091	61,454	Manufacture of computers and peripheral equipment
24,201	24,171	24,324	23,418	24,284	23,459	23,418	Manufacture of communication equipment
33,516	34,256	33,782	33,673	33,941	33,722	33,673	Manufacture of consumer electronics
28,467	28,652	29,332	28,471	29,454	28,433	28,471	Manufacture of measuring, testing, navigating and control equipment; watches and clocks <i>Manufacture of measuring, testing, navigating and control equipment</i>
22,100	22,424	22,605	22,013	22,666	22,074	22,013	<i>Manufacture of industrial process control equipment</i>
6,367	6,228	6,727	6,458	6,787	6,359	6,458	<i>Manufacture of watches and clocks and parts</i>
13,088	13,384	12,927	12,872	12,808	12,863	12,872	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh					
		Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,053	86,732	86,745	84,988	85,553
23911 & 23921	Pembuatan mortar refraktori dan konkrit Pembuatan seramik bukan refraktori	11,682	11,683	11,683	11,585	11,313
23930	Pembuatan produk porselin dan seramik lain	5,171	5,178	5,359	5,271	5,227
23941	Pembuatan simen hidrolik	7,393	7,470	7,418	7,392	7,379
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	14,953	15,292	15,337	15,129	15,389
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.	29,886	29,888	29,741	28,821	29,373
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,351	8,419	8,478	8,199	8,285
	Industri lain	8,618	8,804	8,730	8,591	8,588
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	52,662	51,560	51,505	51,756	50,837
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	43,467	43,113	42,833	41,629	41,339
243	Pengacuan logam	15,603	14,822	14,582	14,511	14,100
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	61,301	60,278	60,224	57,540	58,258
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	42,112	41,377	41,579	39,080	39,772
25120	Pembuatan tangki, takungan dan kontena daripada logam	10,747	10,728	10,668	10,497	10,584
	Industri lain	8,443	8,172	7,977	7,963	7,901
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	96,655	95,985	95,505	94,320	93,610
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	21,586	21,509	21,524	21,444	21,160
25920	Rawatan dan penyalutan logam; menggunakan	12,771	12,300	12,218	11,930	11,984
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,681	7,725	7,647	7,596	7,512
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	18,955	18,816	18,669	18,562	18,380
25994	Pembuatan barangan rumah daripada logam	3,528	3,485	3,507	3,141	3,018
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21,812	21,878	21,717	21,518	21,359
	Industri lain	10,322	10,271	10,223	10,127	10,195
261	Pembuatan komponen dan papan elektronik	204,576	206,925	207,783	209,068	209,535
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	113,322	115,375	115,969	116,030	116,405
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	77,520	77,705	77,823	78,999	79,154
26109	Pembuatan komponen lain untuk aplikasi elektronik	13,734	13,845	13,991	14,039	13,975
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	61,218	61,137	61,768	61,865	62,743
263/ 26300	Pembuatan peralatan komunikasi	23,250	23,603	23,855	24,201	24,107
264/ 26400	Pembuatan peralatan elektronik pengguna	33,624	33,359	33,670	33,516	31,842
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	28,566	28,611	28,664	28,467	28,465
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses	22,007	22,090	22,176	22,100	22,219
26520	Pembuatan jam tangan dan jam dan bahagiannya	6,558	6,521	6,488	6,367	6,246
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	12,881	12,828	12,905	13,088	13,284

2021					2022		Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
85,627	86,338	85,832	86,536	86,772	87,601	86,032	Manufacture of non-metallic mineral products n.e.c. <i>Manufacture of refractory mortars and concretes</i>
11,252	11,268	10,991	11,338	11,409	10,694	10,459	<i>Manufacture of non-refractory ceramic</i>
5,206	5,025	5,115	5,087	5,100	5,190	5,132	<i>Manufacture of other porcelain and ceramic products</i>
7,357	7,368	7,370	7,642	7,667	7,687	7,697	<i>Manufacture of hydraulic cement</i>
15,811	16,178	15,710	15,973	16,004	16,143	15,368	<i>Manufacture of ready-mix and dry-mix concrete and mortars</i>
							<i>Manufacture of precast concrete, cement or artificial stone articles for use in construction</i>
29,177	29,458	29,408	30,169	30,295	30,821	30,287	<i>Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone</i>
							<i>Manufacture of other articles of concrete, cement and plaster n.e.c.</i>
8,250	8,417	8,605	8,624	8,590	8,927	9,021	<i>Manufacture of other non-metallic mineral products n.e.c.</i>
8,574	8,624	8,633	7,703	7,707	8,139	8,067	<i>Other industry</i>
50,710	50,739	51,914	51,801	54,326	54,006	52,709	Manufacture of basic iron and steel
41,298	41,662	41,874	41,967	41,977	42,550	43,684	Manufacture of basic precious and other non-ferrous metals
14,448	14,507	14,504	14,750	14,773	15,364	15,691	Casting of metals
58,340	59,885	60,091	59,486	59,684	59,751	59,357	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
39,969	41,148	41,208	40,222	40,418	40,558	40,308	<i>Manufacture of metal doors, windows and their frames, shutters and gates</i>
							<i>Manufacture of other structural metal products</i>
10,459	10,807	10,869	10,959	10,948	10,864	10,907	<i>Manufacture of tanks, reservoirs and containers of metal</i>
7,913	7,930	8,015	8,305	8,319	8,330	8,142	<i>Other industry</i>
93,585	94,729	95,369	96,059	96,998	97,460	97,873	Manufacture of other fabricated metal products; metal working service activities
21,160	21,559	21,716	21,806	21,823	22,053	22,104	<i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>
11,726	11,648	11,872	12,055	12,158	12,243	12,636	<i>Treatment and coating of metals; machining</i>
7,461	7,470	7,600	7,685	7,800	7,949	7,881	<i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i>
							<i>Manufacture of metal cable, plaited bands and similar articles</i>
18,487	19,134	19,015	19,260	19,308	19,189	19,230	<i>Manufacture of bolts, screws, nuts and similar threaded products</i>
3,035	3,064	3,057	3,210	3,194	3,174	3,202	<i>Manufacture of metal household articles</i>
21,468	21,619	21,710	21,563	22,227	22,348	22,213	<i>Manufacture of any other fabricated metal products n.e.c.</i>
10,248	10,236	10,399	10,480	10,488	10,504	10,607	<i>Other industry</i>
211,189	211,084	215,201	216,965	218,374	217,493	219,452	Manufacture of electronic components and boards
							<i>Manufacture of diodes, transistors and similar semiconductor devices</i>
118,017	118,140	118,487	119,077	119,761	118,738	119,920	<i>Manufacture of electronic integrated circuits micro assemblies</i>
							<i>Manufacture of electrical capacitors and resistors</i>
79,289	79,110	82,840	83,795	84,490	84,511	85,312	<i>Manufacture of printed circuit boards</i>
							<i>Manufacture of display components</i>
13,883	13,835	13,874	14,092	14,124	14,244	14,220	<i>Manufacture of other components for electronic applications</i>
63,212	63,876	63,930	65,743	65,839	66,148	66,213	Manufacture of computers and peripheral equipment
24,231	24,171	24,286	24,497	24,324	24,003	24,284	Manufacture of communication equipment
33,292	34,256	34,864	34,181	33,782	34,126	33,941	Manufacture of consumer electronics
28,644	28,652	28,749	29,282	29,332	29,553	29,454	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
22,384	22,424	22,567	22,516	22,605	22,822	22,666	<i>Manufacture of measuring, testing, navigating and control equipment</i>
6,261	6,228	6,181	6,766	6,727	6,731	6,787	<i>Manufacture of industrial process control equipment</i>
							<i>Manufacture of watches and clocks and parts</i>
13,448	13,384	13,324	12,968	12,927	12,854	12,808	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,472	5,900	7,108	6,674	6,586	6,472	6,353
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	40,572	43,287	39,219	39,273	40,234	40,572	41,568
27101	Pembuatan motor elektrik, penjana dan transformer	17,997	19,041	17,602	17,318	17,753	17,997	19,015
27102	Pembuatan perkakasan pengagihan dan penagihan elektrik	22,575	24,245	21,617	21,955	22,480	22,575	22,552
272/ 27200	Pembuatan bateri dan akumulator	8,792	8,019	8,062	8,576	8,796	8,792	8,964
273	Pembuatan pendawaian dan peranti pendawaian	22,421	24,181	22,010	20,297	21,059	22,421	21,783
27310	Pembuatan kabel gentian optikal	890	887	1,005	912	906	890	887
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	20,112	21,561	19,542	17,949	18,724	20,112	19,449
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,419	1,733	1,464	1,436	1,428	1,419	1,447
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	4,551	3,692	4,976	4,514	4,511	4,551	4,415
275/ 27500	Pembuatan perkakasan domestik	14,831	15,318	15,471	15,262	15,195	14,831	15,462
279/ 27900	Pembuatan kelengkapan elektrik lain	7,545	7,583	6,435	6,602	7,402	7,545	7,466
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	91,983	92,969	89,689	90,785	91,320	91,983	92,497
28120 &	Pembuatan alat-alat kuasa bendalir							
28130	Pembuatan pam, pemampat, kepala paip dan injap lain	6,219	7,625	6,712	6,161	6,032	6,219	6,250
28180 &	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	23,763	22,560	22,543	22,916	23,505	23,763	23,726
28220	Pembuatan jentera pembentukan logam dan alatan mesin							
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,507	8,760	10,224	9,325	9,400	9,507	9,240
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,915	9,574	10,454	10,493	10,092	9,915	9,890
		42,579	44,450	39,755	41,890	42,292	42,579	43,391
291 (29101 & 29102)	Pembuatan kenderaan bermotor	23,829	24,246	26,119	23,551	23,416	23,829	23,975
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	6,578	6,504	8,097	6,601	6,517	6,578	6,509
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	52,586	53,048	55,860	52,009	52,198	52,586	52,742
301 (30110 & 30120)	Pembinaan kapal dan bot	12,926	12,847	13,409	12,565	13,073	12,926	13,318
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	28,327	28,749	32,796	28,007	28,481	28,327	29,773
30910	Pembuatan motosikal	11,021	11,399	12,608	11,009	11,005	11,021	11,645
30920	Pembuatan basikal dan invalid carriages	3,467	3,222	4,438	3,172	3,331	3,467	3,861
	Industri lain	13,839	14,129	15,751	13,826	14,145	13,839	14,267
310	Pembuatan perabot	73,877	76,839	76,145	73,944	74,144	73,877	75,614
31001	Pembuatan perabot kayu dan rotan	55,809	58,845	57,768	56,548	56,440	55,809	56,642
	Industri lain	18,068	17,994	18,376	17,396	17,704	18,068	18,971
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5,635	5,401	5,974	5,751	5,712	5,635	5,436
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	24,317	26,303	23,875	24,281	24,265	24,317	25,614
32901	Pembuatan alat tulis	6,148	6,332	6,314	6,264	6,260	6,148	6,063
	Industri lain	18,169	19,972	17,561	18,018	18,005	18,169	19,551
323/ 32300	Pembuatan barangan sukan	2,360	2,667	2,311	2,397	2,396	2,360	2,652
324/ 32400	Pembuatan permainan dan mainan	4,826	4,851	5,324	5,089	5,134	4,826	4,882
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	39,976	41,456	40,771	39,427	40,063	39,976	41,113
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,112	6,594	7,673	7,175	6,902	7,112	6,963
	Industri lain	32,864	34,861	33,098	32,253	33,161	32,864	34,151
Jumlah Pembuatan		2,199,195	2,259,619	2,257,273	2,188,142	2,195,300	2,199,195	2,233,545

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
6,352	6,261	5,900	6,398	5,674	6,463	6,398	Manufacture of optical instruments, photographic equipment, magnetic and optical media
40,743	42,472	43,287	41,486	43,361	41,462	41,486	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
18,385	18,891	19,041	18,974	19,161	18,932	18,974	Manufacture of electric motors, generators and transformers
22,358	23,582	24,245	22,512	24,200	22,530	22,512	Manufacture of electricity distribution and control apparatus
8,620	8,604	8,019	8,923	8,513	8,982	8,923	Manufacture of batteries and accumulators
22,241	23,044	24,181	21,960	23,788	22,193	21,960	Manufacture of wiring and wiring devices
874	946	887	883	884	878	883	Manufacture of fibre optic cables
19,631	20,353	21,561	19,639	21,151	19,886	19,639	Manufacture of other electronic and electric wires and cables
1,736	1,745	1,733	1,438	1,753	1,429	1,438	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
4,321	4,105	3,692	4,471	3,698	4,529	4,471	Manufacture of electric lighting equipment
15,009	14,755	15,318	14,826	15,300	14,887	14,826	Manufacture of domestic appliances
7,335	7,381	7,583	7,488	7,593	7,510	7,488	Manufacture of other electrical equipment
93,644	91,587	92,969	93,802	95,057	92,485	93,802	Manufacture of general-purpose and special-purpose machinery
							Manufacture of fluid power equipment
6,121	6,262	7,625	6,232	7,703	6,213	6,232	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
23,781	23,311	22,560	24,069	23,030	23,589	24,069	Manufacture of metal-forming machinery and machine tools
9,077	8,696	8,760	9,267	9,415	9,203	9,267	Manufacture of air-conditioning machines, including for motor vehicles
9,850	9,395	9,574	9,913	9,855	9,937	9,913	Manufacture of other special-purpose machinery n.e.c.
44,816	43,922	44,450	44,321	45,054	43,542	44,321	Other industry
23,655	23,976	24,246	24,062	24,524	23,849	24,062	Manufacture of motor vehicles
6,563	6,572	6,504	6,606	6,757	6,610	6,606	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
52,493	52,484	53,048	52,810	53,814	52,479	52,810	Manufacture of parts and accessories for motor vehicles
12,340	12,971	12,847	13,153	13,066	13,112	13,153	Building of ships and boats
28,366	28,632	28,749	29,734	29,978	29,686	29,734	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
11,084	11,280	11,399	11,486	11,785	11,329	11,486	Manufacture of motorcycles
3,372	3,237	3,222	3,853	3,431	3,846	3,853	Manufacture of bicycles and invalid carriages
13,910	14,115	14,129	14,395	14,763	14,511	14,395	Other industry
72,124	77,542	76,839	75,267	78,533	75,049	75,267	Manufacture of furniture
53,543	58,867	58,845	56,219	60,211	56,054	56,219	Manufacture of wooden and cane furniture
18,581	18,674	17,994	19,047	18,322	18,995	19,047	Other industry
5,268	5,284	5,401	5,701	5,602	5,770	5,701	Manufacture of jewellery, bijouterie and related articles
25,402	25,565	26,303	25,486	26,487	24,996	25,486	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
5,975	6,016	6,332	6,047	6,308	6,163	6,047	Manufacture of stationery
19,427	19,549	19,972	19,439	20,180	18,833	19,439	Other industry
2,564	2,526	2,667	2,644	2,606	2,636	2,644	Manufacture of sports goods
4,698	4,800	4,851	4,847	5,006	4,912	4,847	Manufacture of games and toys
40,018	41,003	41,456	41,750	42,470	41,454	41,750	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
6,648	6,610	6,594	7,123	6,628	7,278	7,123	Repair and maintenance of transport equipment except motorcycles and bicycles
33,370	34,392	34,861	34,628	35,842	34,177	34,628	Other industry
2,215,420	2,231,406	2,259,619	2,228,415	2,275,927	2,225,697	2,228,415	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh					
		Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,353	6,366	6,392	6,352	6,229
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	41,568	40,844	40,743	40,743	40,648
27101	Pembuatan motor elektrik, penjana dan transformer	19,015	18,482	18,337	18,385	18,476
27102	Pembuatan perkakasan pengagihan dan penaawalan elektrik	22,552	22,362	22,406	22,358	22,172
272/ 27200	Pembuatan bateri dan akumulator	8,964	8,913	9,007	8,620	8,504
273	Pembuatan pendawaian dan peranti pendawaian	21,783	21,562	21,782	22,241	22,123
27310	Pembuatan kabel gentian optikal	887	871	878	874	886
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	19,449	19,235	19,434	19,631	19,506
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,447	1,457	1,471	1,736	1,731
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	4,415	4,354	4,327	4,321	4,237
275/ 27500	Pembuatan perkakasan domestik	15,462	15,283	15,137	15,009	14,792
279/ 27900	Pembuatan kelengkapan elektrik lain	7,466	7,451	7,441	7,335	7,347
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	92,497	92,927	92,530	93,644	91,679
28120 &	Pembuatan alat-alat kuasa bendalir					
28130	Pembuatan pam, pemampat, kepala paip dan injap lain	6,250	6,305	6,268	6,121	6,217
28180 &	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	23,726	24,041	23,846	23,781	23,448
28220	Pembuatan jentera pembentukan logam dan alatan mesin					
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,240	9,212	9,096	9,077	8,592
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,890	10,046	10,069	9,850	9,859
		43,391	43,323	43,252	44,816	43,563
291 (29101 & 29102)	Pembuatan kenderaan bermotor	23,975	23,945	23,891	23,655	23,434
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	6,509	6,642	6,676	6,563	6,546
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	52,742	52,895	52,709	52,493	52,226
301 (30110 & 30120)	Pembinaan kapal dan bot	13,318	12,565	12,629	12,340	12,325
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,773	28,817	28,650	28,366	28,305
30910	Pembuatan motosikal	11,645	11,202	11,113	11,084	11,045
30920	Pembuatan basikal dan invalid carriages	3,861	3,504	3,445	3,372	3,338
	Industri lain	14,267	14,111	14,093	13,910	13,922
310	Pembuatan perabot	75,614	76,594	76,376	72,124	70,706
31001	Pembuatan perabot kayu dan rotan	56,642	57,602	57,460	53,543	52,111
	Industri lain	18,971	18,991	18,916	18,581	18,594
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5,436	5,406	5,368	5,268	5,338
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	25,614	25,717	25,691	25,402	25,395
32901	Pembuatan alat tulis	6,063	6,053	6,026	5,975	5,957
	Industri lain	19,551	19,664	19,665	19,427	19,437
323/ 32300	Pembuatan barangan sukan	2,652	2,604	2,601	2,564	2,562
324/ 32400	Pembuatan permainan dan mainan	4,882	4,805	4,731	4,698	4,699
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	41,113	41,056	40,989	40,018	40,374
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,963	6,963	6,982	6,648	6,618
	Industri lain	34,151	34,093	34,008	33,370	33,756
Jumlah Pembuatan		2,233,545	2,235,004	2,236,459	2,215,420	2,210,084

2021					2022		Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
6,310	6,261	6,245	5,881	5,900	5,601	5,674	Manufacture of optical instruments, photographic equipment, magnetic and optical media
41,650	42,472	42,612	42,531	43,287	43,546	43,361	Manufacture of electric motors, generators, transformers and electricity distribution and control
18,568	18,891	18,853	18,717	19,041	19,281	19,161	Manufacture of electric motors, generators and transformers
23,082	23,582	23,759	23,815	24,245	24,265	24,200	Manufacture of electricity distribution and control apparatus
8,992	8,604	8,585	8,093	8,019	8,030	8,513	Manufacture of batteries and accumulators
22,611	23,044	23,442	23,827	24,181	24,094	23,788	Manufacture of wiring and wiring devices
883	946	944	860	887	884	884	Manufacture of fibre optic cables
19,983	20,353	20,748	21,203	21,561	21,457	21,151	Manufacture of other electronic and electric wires and cables
1,745	1,745	1,750	1,764	1,733	1,753	1,753	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
4,154	4,105	4,067	3,717	3,692	3,705	3,698	Manufacture of electric lighting equipment
14,808	14,755	15,033	15,193	15,318	15,393	15,300	Manufacture of domestic appliances
7,310	7,381	7,336	7,591	7,583	7,631	7,593	Manufacture of other electrical equipment
91,687	91,587	91,552	93,169	92,969	93,820	95,057	Manufacture of general-purpose and special-purpose machinery
6,232	6,262	6,181	7,742	7,625	7,649	7,703	Manufacture of fluid power equipment
23,383	23,311	23,353	22,634	22,560	22,670	23,030	Manufacture of other pumps, compressors, taps and valves
8,658	8,696	8,497	8,681	8,760	9,300	9,415	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
9,746	9,395	9,478	9,512	9,574	9,728	9,855	Manufacture of metal-forming machinery and machine tools
43,668	43,922	44,043	44,599	44,450	44,473	45,054	Manufacture of air-conditioning machines, including for motor vehicles
23,526	23,976	24,115	24,148	24,246	24,294	24,524	Manufacture of other special-purpose machinery
6,550	6,572	6,598	6,534	6,504	6,514	6,757	Other industry
51,997	52,484	52,880	52,920	53,048	53,581	53,814	Manufacture of motor vehicles
12,356	12,971	13,048	13,103	12,847	13,103	13,066	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
28,231	28,632	28,911	28,889	28,749	29,738	29,978	Manufacture of parts and accessories for motor vehicles
11,042	11,280	11,521	11,495	11,399	11,680	11,785	Building of ships and boats
3,262	3,237	3,230	3,231	3,222	3,442	3,431	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
13,927	14,115	14,160	14,163	14,129	14,616	14,763	Manufacture of motorcycles
70,892	77,542	76,979	77,243	76,839	78,359	78,533	Manufacture of bicycles and invalid carriages
52,285	58,867	58,517	58,980	58,845	60,314	60,211	Other industry
18,607	18,674	18,462	18,263	17,994	18,045	18,322	Manufacture of furniture
5,327	5,284	5,319	5,431	5,401	5,507	5,602	Manufacture of wooden and cane furniture
25,385	25,565	25,737	26,138	26,303	26,385	26,487	Other industry
5,929	6,016	6,161	6,285	6,332	6,288	6,308	Manufacture of jewellery, bijouterie and related articles
19,456	19,549	19,576	19,854	19,972	20,097	20,180	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
2,537	2,526	2,548	2,633	2,667	2,692	2,606	Manufacture of stationery
4,715	4,800	4,818	4,783	4,851	4,853	5,006	Other industry
40,635	41,003	41,610	41,922	41,456	42,529	42,470	Manufacture of sports goods
6,602	6,610	6,570	6,761	6,594	6,754	6,628	Manufacture of games and toys
34,033	34,392	35,040	35,161	34,861	35,775	35,842	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
2,213,715	2,231,406	2,241,048	2,253,574	2,259,619	2,274,146	2,275,927	Repair and maintenance of transport equipment except motorcycles and bicycles
							Other industry
2,213,715	2,231,406	2,241,048	2,253,574	2,259,619	2,274,146	2,275,927	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021 (Jan. - Feb.)	2022 (Jan. - Feb.)	2022 Jan.	2022 Feb.
				Q1	Q2	Q3	Q4				
101	Pemprosesan dan pengawetan daging	-4.3	1.1	-0.7	1.2	2.0	1.1	0.1	1.4	2.2	0.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.3	2.2	-1.0	-0.4	-0.1	2.2	-1.4	-2.2	0.4	-1.4
	10201 Pengetinan ikan, krustasea dan moluska										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-7.0	-0.6	-0.3	-0.8	-1.4	-0.6	-0.2	-3.2	2.0	-0.2
	Industri lain	-20.9	19.5	-4.9	2.1	7.9	19.5	-7.7	3.3	-7.8	-7.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.5	-9.1	-2.5	-7.9	-8.7	-9.1	-4.4	-8.1	-4.5	-4.4
	10303 Pengetinan nanas										
	10304 Pembuatan jem, marmalad dan sajian jeli	9.8	-50.6	8.0	6.9	-51.0	-50.6	7.5	-54.2	6.2	7.5
	Industri lain	5.0	-4.5	-3.6	-9.3	-4.0	-4.5	-5.6	-3.0	-5.6	-5.6
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-1.3	2.9	-1.9	-3.2	-0.3	2.9	-3.7	3.3	-3.9	-3.7
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	10406 Pembuatan sebatian lemak masakan	-1.8	5.5	-2.5	3.5	-0.1	5.5	-3.8	5.4	-8.2	-3.8
	10405 Pembuatan minyak kelapa	-1.8	2.9	2.2	0.8	0.3	2.9	2.2	3.0	-2.4	2.2
	Industri lain	-1.3	2.7	-2.0	-3.7	-0.3	2.7	-3.9	3.2	-3.7	-3.9
105	Pembuatan produk tenusu	-4.2	1.8	4.8	4.1	3.2	1.8	-0.5	-5.0	-2.5	-0.5
	10502 Pembuatan susu pekat, tepung dan sejat	-7.7	3.1	3.9	5.2	4.0	3.1	-2.1	-5.8	-2.9	-2.1
	Industri lain	7.1	-1.7	7.4	0.9	0.9	-1.7	4.6	-2.8	-1.1	4.6
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	5.1	-0.9	2.2	5.1	5.1	-0.3	3.3	-0.3	-0.3
	10611 Pengilangan beras	0.7	4.5	0.9	2.5	8.3	4.5	1.3	2.1	1.5	1.3
	10613 Pengilangan tepung	1.4	5.6	-1.1	2.1	2.6	5.6	-0.8	5.6	-1.5	-0.8
	Industri lain	0.3	5.2	-7.6	1.0	1.0	5.2	-5.3	-1.1	-3.5	-5.3
107	Pembuatan produk makanan lain	2.2	6.4	4.6	4.7	4.5	6.4	4.5	4.1	3.6	4.5
	10711 Pembuatan biskut dan cookies	5.0	18.4	1.6	-1.1	-2.5	18.4	1.7	20.0	0.8	1.7
	10712 Pembuatan roti, kek dan produk bakeri lain	-4.8	7.5	-3.8	5.6	6.5	7.5	-3.9	2.7	-5.6	-3.9
	10713 Pembuatan produk snek	-2.8	-3.8	-1.8	-1.1	-3.6	-3.8	-1.4	-5.9	-1.8	-1.4
	10721 Pembuatan gula	-11.5	-3.2	-10.9	-12.1	0.2	-3.2	-11.3	-2.6	-12.3	-11.3
	10731 Pembuatan produk koko	-1.7	-5.1	-4.6	-10.8	-12.2	-5.1	-3.3	-3.5	-4.5	-3.3
	10732 Pembuatan coklat dan produk coklat										
	10733 Pembuatan konfeksi gula	-11.8	-8.0	-8.2	-5.0	-6.2	-8.0	-9.1	-10.0	-6.9	-9.1
	10793 Pembuatan sos dan bahan perasa	2.7	18.4	17.3	11.3	11.3	18.4	18.3	11.1	20.6	18.3
	10799 Pembuatan produk makanan lain t.t.t.l.	8.9	7.6	26.2	19.5	18.5	7.6	25.1	7.9	20.7	25.1
	Industri lain	13.4	5.4	9.8	5.6	5.3	5.4	10.2	3.4	9.5	10.2
108/ 10800	Pembuatan makanan haiwan tersedia	-4.6	-16.9	-6.8	-6.1	-16.7	-16.9	-8.2	-16.1	-8.5	-8.2
110	Pembuatan minuman ringan	-10.7	1.7	-10.6	-2.1	0.7	1.7	-11.4	1.3	-11.5	-11.4
	11041 Pembuatan minuman ringan	-9.2	0.0	-12.9	-2.7	-2.8	0.0	-13.9	2.2	-13.4	-13.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-11.6	-3.6	-8.6	-6.3	-4.1	-3.6	-9.3	-6.6	-9.5	-9.3
	Industri lain	-18.8	34.0	0.9	17.6	45.2	34.0	1.0	16.8	-3.5	1.0
120/ 12000	Pembuatan produk tembakau	-27.4	3.3	-12.8	17.6	11.1	3.3	-11.5	0.2	-22.4	-11.5
131	Pemintalan, penenunan dan penyiapan tekstil	-7.4	-0.4	-7.4	-6.7	-2.8	-0.4	-9.1	-2.1	-10.9	-9.1
	13110 Penyediaan dan pemintalan gentian tekstil										
	13120 Penenunan tekstil	-2.7	-5.8	-4.2	-5.1	-6.6	-5.8	-5.4	-7.4	-7.6	-5.4
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-16.9	26.6	-14.6	-6.9	16.0	26.6	-18.3	22.0	-20.4	-18.3
	Industri lain	-23.4	-37.5	-16.1	-27.3	-26.6	-37.5	-14.8	-29.9	-12.0	-14.8
139	Pembuatan tekstil lain	-4.1	8.2	-1.7	1.4	3.6	8.2	-6.1	3.9	-4.4	-6.1
	13910 Pembuatan fabrik dikait dan dikrusye	-5.6	10.9	-3.4	3.4	5.4	10.9	-3.0	8.5	-1.7	-3.0
	Industri lain	-3.1	6.5	-0.6	0.1	2.4	6.5	-8.0	0.9	-6.1	-8.0
141	Pembuatan pakaian, kecuali pakaian berbulu	-21.5	1.9	-23.2	-19.0	-8.9	1.9	-23.4	2.7	-23.9	-23.4
	14102 Pembuatan pakaian	-26.1	3.2	-27.6	-21.5	-8.0	3.2	-27.7	2.9	-28.5	-27.7
	Industri lain	-7.0	-1.3	-9.3	-11.5	-11.3	-1.3	-9.9	2.2	-9.7	-9.9
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-23.7	-19.1	-30.8	-12.2	-20.1	-19.1	-29.2	-14.7	-28.1	-29.2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	0.04	7.7	0.4	2.7	7.4	7.7	0.5	6.1	-0.4	0.5
152	Pembuatan kasut	-5.0	0.3	-5.0	-5.5	-0.9	0.3	-6.0	2.2	-4.5	-6.0
	15201 Pembuatan kasut kulit										
	15203 Pembuatan kasut getah	-6.7	-2.0	-7.6	-5.9	-4.2	-2.0	-10.1	1.2	-5.2	-10.1
	Industri lain	-2.9	3.2	-1.6	-5.1	3.0	3.2	-0.3	3.5	-3.7	-0.3
161/ 16100	Pengilangan dan pengetaman kayu	-6.4	4.2	-6.6	-5.9	2.9	4.2	-9.8	3.8	-10.2	-9.8

(%)

2021												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.7	-0.2	0.5	1.2	1.4	0.8	2.0	2.5	1.9	1.1	1.3	1.4	Processing and preserving of meat
-1.0	5.5	3.6	-0.4	-0.4	-1.1	-0.1	-0.1	0.5	2.2	-0.3	-2.2	Processing and preserving of fish, crustaceans and molluscs
												Canning of fish, crustaceans and molluscs
-0.3	4.2	2.5	-0.8	-1.1	-1.7	-1.4	-1.6	-1.9	-0.6	-1.0	-3.2	Processing, curing and preserving of fish, crustacean and molluscs
-4.9	13.9	10.4	2.1	3.5	3.0	7.9	9.3	15.0	19.5	3.3	3.3	Other industry
-2.5	-14.5	-8.0	-7.9	-1.0	-9.8	-8.7	-10.3	-10.5	-9.1	-8.4	-8.1	Processing and preserving of fruits and vegetable
												Pineapple canning
8.0	9.1	7.2	6.9	-3.2	-49.5	-51.0	-50.9	-51.5	-50.6	-54.2	-54.2	Manufacture of jams, marmalades and table jellies
-3.6	-16.5	-9.4	-9.3	-0.8	-5.7	-4.0	-5.8	-6.0	-4.5	-3.4	-3.0	Other industry
-1.9	-2.9	-2.2	-3.2	-1.6	-1.9	-0.3	0.4	2.0	2.9	2.7	3.3	Manufacture of vegetable and animal oils and fats
												Manufacture of crude and refined vegetable oil
-2.5	5.6	10.4	3.5	0.8	1.1	-0.1	0.1	5.3	5.5	5.1	5.4	Manufacture of compound cooking fats
2.2	1.4	1.1	0.8	-0.04	0.2	0.3	0.03	2.9	2.9	3.2	3.0	Manufacture of coconut oil
-2.0	-3.5	-2.9	-3.7	-1.8	-2.1	-0.3	0.4	1.8	2.7	2.5	3.2	Other industry
4.8	5.3	4.0	4.1	3.6	3.2	3.2	1.7	1.4	1.8	-4.0	-5.0	Manufacture of dairy products
3.9	6.2	4.8	5.2	4.5	4.3	4.0	2.5	2.4	3.1	-5.0	-5.8	Manufacture of condensed, powdered and evaporated milk
7.4	2.8	2.1	0.9	0.9	0.2	0.9	-0.3	-1.5	-1.7	-0.8	-2.8	Other industry
-0.9	-1.1	0.7	2.2	2.1	3.6	5.1	5.5	4.2	5.1	2.6	3.3	Manufacture of grain mill products, starches and starch products
0.9	-0.4	2.1	2.5	2.0	6.0	8.3	9.4	5.0	4.5	0.4	2.1	Rice milling
-1.1	0.6	1.9	2.1	2.1	2.2	2.6	2.2	4.6	5.6	6.1	5.6	Flour milling
-7.6	-10.6	-10.1	1.0	2.5	-2.1	1.0	2.2	-0.7	5.2	-2.0	-1.1	Other industry
4.6	6.0	5.2	4.7	4.5	4.7	4.5	5.9	6.9	6.4	4.5	4.1	Manufacture of other food products
1.6	-0.01	-0.6	-1.1	-4.2	-4.1	-2.5	0.7	18.7	18.4	19.3	20.0	Manufacture of biscuits and cookies
-3.8	1.4	2.8	5.6	5.2	7.0	6.5	7.1	7.5	7.5	6.7	2.7	Manufacture of bread, cakes and other bakery products
-1.8	-2.5	-2.8	-1.1	-2.9	-3.0	-3.6	-4.2	-4.3	-3.8	-6.4	-5.9	Manufacture of snack products
-10.9	-11.3	-11.9	-12.1	-0.6	0.3	0.2	-2.7	-4.6	-3.2	-2.9	-2.6	Manufacture of sugar
-4.6	-4.5	-6.0	-10.8	-10.7	-11.6	-12.2	-9.1	-5.8	-5.1	-4.5	-3.5	Manufacture of cocoa products
												Manufacture of chocolate and chocolate products
-8.2	-6.6	-4.0	-5.0	-4.9	-5.0	-6.2	-2.6	-8.5	-8.0	-10.6	-10.0	Manufacture of sugar confectionery
17.3	16.3	14.8	11.3	10.8	11.4	11.3	11.5	16.9	18.4	6.8	11.1	Manufacture of sauces and condiments
26.2	27.1	25.5	19.5	19.3	16.4	18.5	20.0	12.8	7.6	7.8	7.9	Manufacture of other food products n.e.c.
9.8	10.4	6.6	5.6	6.5	6.5	5.3	6.8	6.0	5.4	3.3	3.4	Other industry
-6.8	-3.0	-4.0	-6.1	-4.8	-16.5	-16.7	-13.3	-15.7	-16.9	-15.4	-16.1	Manufacture of prepared animal feeds
-10.6	-2.5	-1.5	-2.1	-3.6	-1.0	0.7	1.6	1.9	1.7	0.8	1.3	Manufacture of beverages
-12.9	-3.0	-4.0	-2.7	-4.9	-4.9	-2.8	-0.4	-0.1	0.0	0.3	2.2	Manufacture of soft drinks
-8.6	-3.1	-2.7	-6.3	-5.1	-5.1	-4.1	-5.2	-4.5	-3.6	-4.2	-6.6	Production of natural mineral waters and other bottled waters
0.9	2.1	23.9	17.6	12.3	43.7	45.2	41.1	42.8	34.0	17.9	16.8	Other industry
-12.8	19.4	18.0	17.6	14.7	10.4	11.1	7.5	1.2	3.3	3.6	0.2	Manufacture of tobacco products
-7.4	-1.6	-2.4	-6.7	-5.4	-3.8	-2.8	-2.3	-3.3	-0.4	-0.9	-2.1	Spinning, weaving and finishing of textiles
												Preparation and spinning of textile fibres
-4.2	-2.3	-3.4	-5.1	-5.5	-6.6	-6.6	-7.2	-6.5	-5.8	-6.9	-7.4	Weaving of textiles
-14.6	-13.5	-8.4	-6.9	3.6	7.9	16.0	21.4	17.5	26.6	27.6	22.0	Dyeing, bleaching, printing and finishing of yarns and fabrics
-16.1	284.6	72.1	-27.3	-41.0	-14.2	-26.6	-29.2	-42.0	-37.5	-32.4	-29.9	Other industry
-1.7	3.6	3.0	1.4	2.3	1.3	3.6	4.9	8.1	8.2	3.4	3.9	Manufacture of other textiles
-3.4	2.0	2.0	3.4	3.8	1.9	5.4	7.3	9.8	10.9	8.3	8.5	Manufacture of knitted and crocheted fabrics
-0.6	4.7	3.6	0.1	1.4	0.9	2.4	3.4	6.9	6.5	0.3	0.9	Other industry
-23.2	-16.3	-16.5	-19.0	-14.1	-6.3	-8.9	-7.2	1.3	1.9	2.3	2.7	Manufacture of wearing apparel, except fur
-27.6	-21.6	-21.2	-21.5	-15.8	-5.3	-8.0	-6.3	2.5	3.2	2.5	2.9	Manufacture of clothings
-9.3	0.9	-1.3	-11.5	-9.2	-8.9	-11.3	-9.6	-1.9	-1.3	1.8	2.2	Other industry
-30.8	-13.8	-13.0	-12.2	-4.9	-20.5	-20.1	-22.9	-19.1	-19.1	-13.2	-14.7	Manufacture of articles of fur, knitted and crocheted apparel
												Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
0.4	4.0	6.1	2.7	0.1	4.4	7.4	9.9	9.6	7.7	7.1	6.1	
-5.0	0.4	-1.6	-5.5	-3.6	-2.5	-0.9	0.4	-0.01	0.3	1.1	2.2	Manufacture of footwear
												Manufacture of leather footwear
-7.6	4.0	-0.2	-5.9	-4.3	-3.4	-4.2	-2.0	-1.5	-2.0	0.8	1.2	Manufacture of rubber footwear
-1.6	-3.8	-3.4	-5.1	-2.7	-1.5	3.0	3.5	1.9	3.2	1.6	3.5	Other industry
-6.6	12.5	4.2	-5.9	-1.1	1.2	2.9	3.0	3.5	4.2	4.4	3.8	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021		2022	
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-8.4	2.0	-8.7	-2.6	-0.4	2.0	-9.7	1.9	-9.2	-9.7
16211	Pembuatan kepingan venier dan papan lapis	-13.3	1.0	-15.6	-6.4	-1.2	1.0	-16.0	0.5	-14.3	-16.0
16212	Pembuatan papan partikel dan papan gentian	-12.8	-2.7	-8.6	-7.6	-8.8	-2.7	-9.4	-0.8	-12.5	-9.4
16221	Pertukangan kayu untuk jurubina	4.7	-0.1	8.7	7.1	5.3	-0.1	3.3	-3.7	0.6	3.3
	Industri lain	1.1	10.3	1.6	4.1	2.1	10.3	1.4	14.3	2.8	1.4
170	Pembuatan kertas dan produk kertas	-4.8	3.5	-3.1	2.7	2.9	3.5	-4.0	3.0	-4.7	-4.0
17010	Pembuatan pulpa, kertas dan kertas tebal	2.9	7.3	2.7	1.8	1.2	7.3	-3.7	5.4	-0.5	-3.7
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-6.1	1.5	-3.8	5.0	2.5	1.5	-4.0	2.3	-2.9	-4.0
17091	Pembuatan sampul surat dan kad surat	-9.5	-5.9	-6.2	2.7	0.1	-5.9	-4.3	-7.7	-4.0	-4.3
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-5.6	6.0	-7.1	1.0	1.5	6.0	-6.9	4.4	-11.4	-6.9
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-8.5	7.3	-1.6	1.9	11.6	7.3	-1.9	4.8	-6.9	-1.9
	Industri lain	-2.6	-0.03	-1.4	-1.0	0.2	-0.03	-1.0	0.6	-0.8	-1.0
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-1.6	3.7	-1.2	-0.4	-1.9	3.7	-3.8	3.2	-4.5	-3.8
18110	Percetakan	-2.9	4.6	-1.9	0.3	-1.3	4.6	-4.8	3.9	-5.1	-4.8
18120	Aktiviti perkhidmatan berkaitan percetakan	4.6	0.1	1.8	-3.2	-4.6	0.1	0.4	0.2	-1.6	0.4
	&										
18200	Penerbitan semula media rakaman										
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-7.2	2.8	-4.5	5.7	5.1	2.8	-7.1	2.9	-7.3	-7.1
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-7.3	-7.8	-10.5	-1.4	-3.4	-7.8	-11.2	-4.3	-13.0	-11.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-7.2	-18.3	-3.1	12.2	11.8	-18.3	-3.0	-23.1	-2.6	-3.0
20112	Pembuatan kimia organik asas	-1.8	8.8	-2.1	2.6	1.8	8.8	-3.0	8.3	-3.7	-3.0
20113	Pembuatan sebatian bukan organik										
20121	Pembuatan baja	-5.2	-17.1	-1.4	-1.3	-2.6	-17.1	-2.0	-15.3	-7.6	-2.0
20129	Pembuatan produk campuran nitrogen	-15.5	-18.9	-30.8	-13.4	-18.3	-18.9	-31.5	-3.8	-32.4	-31.5
20131	Pembuatan plastik dalam bentuk primer	-1.9	14.2	8.1	3.5	2.9	14.2	5.2	14.0	-1.9	5.2
	Industri lain										
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-5.1	8.3	2.4	6.0	3.4	8.3	-3.9	4.2	-3.0	-3.9
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.7	18.0	14.8	12.8	10.7	18.0	15.2	-1.7	17.9	15.2
20221	Pembuatan cat, varnis dan penyadur dan mastik	-14.6	-6.2	3.4	-2.1	-2.9	-6.2	-13.7	-6.3	-12.1	-13.7
20222	Pembuatan dakwat cetak	-3.2	24.4	20.9	22.1	21.6	24.4	-1.7	24.3	-2.9	-1.7
20231	Pembuatan sabun dan bahan pencuci, penyediaan										
20232	membersih dan mengilat	-1.5	0.1	0.4	5.1	-0.8	0.1	-1.9	-1.8	-0.8	-1.9
20291	Pembuatan pewangi dan penyediaan dandanan diri										
20291	Pembuatan plat fotografi, filem, sensitized paper dan										
20292	other sensitized unexposed materials										
20292	Pembuatan dakwat menulis dan melukis	-4.2	26.7	-3.5	7.4	7.9	26.7	-4.2	18.0	-3.9	-4.2
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	5.6	-11.5	-2.2	0.3	0.3	-11.5	-1.5	-7.1	-0.8	-1.5
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	9.5	7.5	11.6	11.6	11.8	7.5	10.7	5.7	9.7	10.7
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.3	8.5	11.6	10.8	9.8	8.5	11.8	5.7	10.2	11.8
	Industri lain	7.6	4.9	11.6	13.6	16.6	4.9	7.9	5.7	8.4	7.9
221	Pembuatan produk getah	3.2	0.7	3.9	6.2	3.5	0.7	3.2	2.2	2.7	3.2
22111	Pembuatan tayar getah untuk kenderaan	-10.1	-3.7	-11.8	1.0	-10.1	-3.7	-10.7	-1.4	-7.5	-10.7
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.3	2.9	-3.5	-15.3	-6.4	2.9	-1.3	1.2	2.9	-1.3
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	3.8	-6.7	2.3	-0.7	-5.0	-6.7	1.0	-6.2	0.1	1.0
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	2.7	0.1	3.7	7.7	7.5	0.1	2.5	2.9	1.9	2.5
22199	Pembuatan produk getah lain yang t.t.t.l.	7.5	7.3	10.3	10.5	4.6	7.3	10.3	6.7	8.7	10.3
222	Pembuatan produk plastik	3.6	-0.2	3.9	1.3	-1.7	-0.2	3.6	-2.9	4.2	3.6
22201	Pembuatan produk plastik separa siap										
22202	Pembuatan produk plastik siap	2.9	-5.2	5.0	4.0	-3.3	-5.2	5.4	-6.1	2.6	5.4
22203	Pembuatan artikel plastik untuk pembungkusan	5.9	4.0	5.6	1.6	-0.4	4.0	5.7	0.3	6.5	5.7
22204	Pembuatan barangan plastik jurubina	-7.2	0.2	-3.0	-0.7	0.004	0.2	-3.6	-2.8	-9.0	-3.6
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7.9	0.7	10.2	3.8	0.4	0.7	8.8	13.3	8.6	8.8
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.0	-0.9	1.1	-1.1	-2.3	-0.9	0.1	-7.3	3.3	0.1
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-4.4	5.5	-0.5	0.1	-1.5	5.5	-2.6	4.4	-4.4	-2.6

2021											2022		Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.		
-8.7	-2.2	0.1	-2.6	-1.4	-0.8	-0.4	2.1	2.8	2.0	1.2	1.9	Manufacture of products of wood, cork, straw and plaiting materials	
-15.6	-7.1	-3.1	-6.4	-3.7	-2.3	-1.2	0.2	0.6	1.0	0.001	0.5	Manufacture of veneer sheets and plywood	
-8.6	-7.2	-4.7	-7.6	-7.4	-7.5	-8.8	-4.1	-3.5	-2.7	-1.1	-0.8	Manufacture of particle board and fibreboard	
8.7	9.5	8.9	7.1	4.6	4.8	5.3	5.8	1.8	-0.1	-4.9	-3.7	Manufacture of builders' carpentry	
1.6	8.0	5.9	4.1	4.4	2.8	2.1	9.2	15.3	10.3	12.7	14.3	Other industry	
-3.1	5.0	4.5	2.7	2.1	2.2	2.9	3.0	4.9	3.5	2.8	3.0	Manufacture of paper and paper products	
2.7	7.2	3.3	1.8	0.8	0.5	1.2	7.5	8.2	7.3	7.0	5.4	Manufacture of pulp, paper and paperboard	
-3.8	5.4	6.2	5.0	0.5	1.8	2.5	2.6	2.7	1.5	1.2	2.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	
-6.2	3.2	0.9	2.7	6.6	5.0	0.1	-1.5	-5.6	-5.9	-7.5	-7.7	Manufacture of envelopes and letter-card	
-7.1	0.7	1.8	1.0	1.2	0.4	1.5	0.05	8.5	6.0	4.8	4.4	Manufacture of household and personal hygiene paper	
-1.6	8.6	7.7	1.9	9.7	10.1	11.6	7.9	8.2	7.3	5.4	4.8	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper	
-1.4	5.0	2.4	-1.0	0.9	-1.3	0.2	-1.2	0.8	-0.03	-0.7	0.6	Other industry	
-1.2	3.9	3.4	-0.4	-2.1	-1.8	-1.9	0.9	2.8	3.7	3.5	3.2	Printing, service activities related to printing and reproduction of recorded media	
-1.9	4.9	4.5	0.3	-1.5	-1.3	-1.3	1.5	3.6	4.6	4.2	3.9	Printing	
1.8	0.0	-0.6	-3.2	-4.3	-3.9	-4.6	-1.4	-0.4	0.1	0.4	0.2	Service activities related to printing	
												Reproduction of recorded media	
-4.5	2.7	5.1	5.7	5.1	5.2	5.1	3.8	3.4	2.8	1.5	2.9	Manufacture of refined petroleum products	
-10.5	-0.5	-1.3	-1.4	-2.9	-3.0	-3.4	-3.7	-7.2	-7.8	-5.1	-4.3	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms	
-3.1	14.1	11.8	12.2	13.8	12.3	11.8	11.0	-18.0	-18.3	-22.5	-23.1	Manufacture of liquefied or compressed inorganic industrial or medical gases	
												Manufacture of basic organic chemicals	
-2.1	5.5	3.2	2.6	2.2	2.4	1.8	2.3	9.3	8.8	7.6	8.3	Manufacture of inorganic compounds	
												Manufacture of fertilizers	
-1.4	-3.7	-1.4	-1.3	-1.7	-2.1	-2.6	-3.7	-15.0	-17.1	-18.6	-15.3	Manufacture of associated nitrogen products	
-30.8	-12.9	-13.8	-13.4	-17.9	-17.9	-18.3	-18.5	-18.7	-18.9	-3.5	-3.8	Manufacture of plastics in primary forms	
8.1	5.1	4.8	3.5	1.5	1.7	2.9	1.8	11.8	14.2	13.9	14.0	Other industry	
2.4	6.2	6.6	6.0	4.1	3.2	3.4	7.0	7.8	8.3	5.2	4.2	Manufacture of other chemical products and man-made fibres	
14.8	14.9	14.5	12.8	11.7	10.9	10.7	12.2	17.4	18.0	-1.6	-1.7	Manufacture of pesticides and other agrochemical products	
3.4	-2.6	-1.7	-2.1	-1.4	-2.2	-2.9	-2.6	-5.2	-6.2	-6.1	-6.3	Manufacture of paints, varnishes and similar coatings ink and	
20.9	19.4	19.9	22.1	22.4	21.8	21.6	20.9	24.0	24.4	24.6	24.3	Manufacture of printing ink	
												Manufacture of soap and detergents, cleaning and polishing preparations	
0.4	6.7	6.7	5.1	1.0	-0.7	-0.8	0.004	-0.3	0.1	-0.6	-1.8	Manufacture of perfumes and toilet preparations	
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials	
-3.5	6.6	6.9	7.4	5.7	6.3	7.9	20.7	25.0	26.7	20.3	18.0	Manufacture of writing and drawing ink	
												Manufacture of other chemical products n.e.c.	
-2.2	-0.1	2.1	0.3	-1.3	-1.3	0.3	0.3	-10.9	-11.5	-8.7	-7.1	Other industry	
11.6	13.2	12.0	11.6	12.4	12.7	11.8	12.1	7.0	7.5	5.8	5.7	Manufacture of pharmaceuticals, medicinal chemical and botanical products	
11.6	12.7	11.2	10.8	11.8	11.5	9.8	11.4	8.8	8.5	5.6	5.7	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments	
11.6	14.5	14.1	13.6	14.1	15.6	16.6	13.9	2.5	4.9	6.4	5.7	Other industry	
3.9	7.5	6.6	6.2	5.0	4.5	3.5	3.0	1.0	0.7	2.1	2.2	Manufacture of rubber products	
-11.8	-3.4	-0.6	1.0	-9.8	-9.9	-10.1	-10.8	-8.3	-3.7	-3.6	-1.4	Manufacture of rubber tyres for vehicles	
-3.5	-5.3	-8.6	-15.3	-11.6	-8.8	-6.4	-5.3	2.8	2.9	3.4	1.2	Manufacture of interchangeable tyre treads and retreading rubber tyres	
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened	
2.3	0.2	-0.6	-0.7	-0.6	-1.6	-5.0	-5.9	-7.6	-6.7	-6.3	-6.2	Rubber remilling and latex processing	
3.7	8.6	7.6	7.7	6.9	6.6	7.5	6.6	1.2	0.1	3.4	2.9	Manufacture of rubber gloves	
10.3	14.0	12.2	10.5	9.3	8.5	4.6	4.9	7.6	7.3	5.6	6.7	Manufacture of other rubber products n.e.c.	
3.9	4.3	2.8	1.3	-0.003	-1.2	-1.7	-1.4	-0.3	-0.2	-2.6	-2.9	Manufacture of plastics products	
												Manufacture of semi-manufactures of plastic products	
5.0	8.2	6.9	4.0	1.5	-3.5	-3.3	-2.9	-4.7	-5.2	-6.3	-6.1	Manufacture of finished plastic products	
5.6	3.5	2.6	1.6	-0.2	-0.4	-0.4	0.2	3.3	4.0	0.3	0.3	Manufacture of plastic articles for the packing of goods	
-3.0	5.9	-4.7	-0.7	1.1	1.1	0.004	1.4	-0.6	0.2	-1.7	-2.8	Manufacture of builders' plastics ware	
10.2	9.5	7.2	3.8	-0.6	0.6	0.4	1.4	1.5	0.7	13.5	13.3	Manufacture of plastic tableware, kitchenware and toilet articles	
1.1	1.3	0.05	-1.1	-0.7	-1.0	-2.3	-2.5	-0.8	-0.9	-6.4	-7.3	Manufacture of diverse plastic products n.e.c.	
-0.5	2.4	1.5	0.1	0.0	0.1	-1.5	1.4	0.7	5.5	5.7	4.4	Manufacture of glass and glass products	

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.2	1.4	-2.3	-2.3	0.4	1.4	-3.7	0.5	-3.1	-3.7
23911	Pembuatan mortar refraktori dan konkrit										
&											
23921	Pembuatan seramik bukan refraktori	-2.3	3.6	-2.2	-0.1	0.6	3.6	-8.2	-5.6	-5.4	-8.2
23930	Pembuatan produk porselin dan seramik lain	9.1	-6.2	2.0	-1.1	-8.0	-6.2	2.9	-1.2	9.8	2.9
23941	Pembuatan simen hidrolik	-4.3	6.1	-2.1	-2.8	2.4	6.1	-1.6	4.2	-2.2	-1.6
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-11.2	2.0	-13.6	-7.2	-0.2	2.0	-15.2	2.3	-9.8	-15.2
23952	Pembuatan konkrit pratuangan, simen atau artikel batu										
&	buatan yang digunakan dalam pembinaan;										
23953	Pembuatan komponen struktur pasang siap untuk	-1.8	3.3	4.0	-1.2	1.8	3.3	2.3	1.8	-1.0	2.3
&	bangunan 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.	-2.4	4.9	-5.1	-1.0	1.2	4.9	-4.4	7.6	-5.7	-4.4
	Industri lain	0.3	-10.9	-0.9	-1.2	-0.8	-10.9	1.0	-8.1	0.8	1.0
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	5.5	1.8	3.2	4.6	2.7	1.8	1.7	-0.2	5.7	1.7
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-5.4	-1.9	-5.0	-2.9	-2.8	-1.9	-5.1	0.3	-5.5	-5.1
243	Pengacuan logam	-8.2	1.7	2.8	1.4	-0.4	1.7	-1.4	4.1	-8.7	-1.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	9.4	-1.1	12.0	-1.2	-0.1	-1.1	8.9	-2.1	10.3	8.9
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap										
&	dan pintu pagar daripada logam	7.4	-1.8	12.2	-2.5	0.2	-1.8	8.0	-2.6	9.5	8.0
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	14.7	1.5	13.2	7.5	2.9	1.5	12.5	1.3	16.4	12.5
	Industri lain	12.9	-1.2	9.6	-5.3	-5.6	-1.2	9.1	-3.5	7.4	9.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.2	2.9	2.3	0.4	0.7	2.9	0.5	2.3	-0.1	0.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5.9	2.2	7.9	2.9	2.1	2.2	7.0	1.7	7.3	7.0
25920	Rawatan dan penyalutan logam; menggunakan mesin	3.8	5.0	15.0	7.1	5.6	5.0	9.7	3.4	5.0	9.7
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-0.5	0.4	-1.6	-0.3	-2.4	0.4	-0.3	1.2	0.8	-0.3
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal)										
&	dan artikel seumpamanya daripada logam	0.7	0.2	-3.2	-5.2	-1.7	0.2	-3.3	0.8	-0.5	-3.3
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-6.6	-7.5	-2.0	-11.5	-13.1	-7.5	-3.1	-8.3	-10.7	-3.1
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	-1.7	7.3	2.3	2.1	3.1	7.3	-1.4	4.7	-2.8	-1.4
	Industri lain	-7.9	3.0	-6.9	-0.1	-1.0	3.0	-8.4	4.7	-9.2	-8.4
261	Pembuatan komponen dan papan elektronik	-5.3	8.8	-1.4	6.5	7.6	8.8	-3.6	7.9	-5.5	-3.6
26101	Pembuatan diod, transistor dan alatan semikonduktor										
&	yang seumpamanya	-8.5	7.5	-3.7	4.6	7.2	7.5	-5.5	6.2	-8.4	-5.5
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro										
26103	Pembuatan kapasitor dan perintang elektrik										
&											
26104	Pembuatan papan litar bercetak	0.6	11.9	3.6	10.5	9.0	11.9	0.2	11.3	-1.1	0.2
&											
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	-9.7	2.1	-7.8	1.7	2.6	2.1	-7.4	2.9	-5.1	-7.4
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	2.4	9.2	-5.7	5.0	7.6	9.2	-0.5	7.7	-0.7	-0.5
263/ 26300	Pembuatan peralatan komunikasi	7.5	2.7	0.6	6.9	3.7	2.7	1.7	3.7	3.0	1.7
264/ 26400	Pembuatan peralatan elektronik pengguna	0.4	-0.6	-1.4	-1.6	-1.2	-0.6	-0.8	0.8	-0.6	-0.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-6.4	6.7	-5.2	2.2	3.9	6.7	-5.7	3.5	-5.2	-5.7
26511	Pembuatan kelengkapan mengukur, menguji, memandu										
&	arah dan kawalan	-4.7	7.3	-4.2	3.6	6.2	7.3	-4.0	3.0	-3.2	-4.0
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	-11.6	4.9	-8.6	-2.5	-3.8	4.9	-11.0	5.1	-11.6	-11.0
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-3.4	0.1	-8.0	2.2	4.4	0.1	-7.8	-0.5	-3.5	-7.8

2021						2022						Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-2.3	0.8	0.8	-2.3	-0.7	-0.5	0.4	0.4	0.4	1.4	0.3	0.5	Manufacture of non-metallic mineral products
												Manufacture of refractory mortars and concretes
-2.2	1.3	0.4	-0.1	1.2	0.7	0.6	0.9	2.0	3.6	-6.0	-5.6	Manufacture of non-refractory ceramic
2.0	-2.4	1.4	-1.1	-2.6	-3.4	-8.0	-5.7	-6.5	-6.2	-5.7	-1.2	Manufacture of other porcelain and ceramic products
-2.1	-0.5	-1.9	-2.8	2.2	1.9	2.4	2.6	6.4	6.1	4.0	4.2	Manufacture of hydraulic cement
-13.6	-3.7	-6.0	-7.2	-5.4	-2.9	-0.2	0.6	1.5	2.0	0.7	2.3	Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
4.0	4.1	4.3	-1.2	1.3	1.2	1.8	0.04	1.4	3.3	3.9	1.8	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
												Manufacture of other articles of concrete, cement and plaster n.e.c.
-5.1	-0.7	3.1	-1.0	-0.7	-1.2	1.2	3.4	3.8	4.9	6.7	7.6	Manufacture of other non-metallic mineral products n.e.c.
-0.9	1.9	2.3	-1.2	-1.6	-2.6	-0.8	0.01	-10.9	-10.9	-9.2	-8.1	Other industry
3.2	5.1	3.7	4.6	4.2	3.1	2.7	3.0	3.5	1.8	-0.6	-0.2	Manufacture of basic iron and steel
-5.0	-0.8	-0.6	-2.9	-3.3	-3.6	-2.8	-2.2	-2.1	-1.9	-0.9	0.3	Manufacture of basic precious and other non-ferrous metals
2.8	1.5	1.1	1.4	-2.7	-0.8	-0.4	0.2	2.0	1.7	5.1	4.1	Casting of metals
12.0	14.1	9.2	-1.2	-2.4	-1.9	-0.1	0.9	-1.0	-1.1	-1.5	-2.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
												Manufacture of metal doors, windows and their frames, shutters and gates
12.2	17.5	12.5	-2.5	-2.4	-1.6	0.2	0.4	-2.3	-1.8	-2.0	-2.6	Manufacture of other structural metal products
13.2	12.1	9.0	7.5	0.7	0.1	2.9	3.7	3.2	1.5	0.7	1.3	Manufacture of tanks, reservoirs and containers of metal
9.6	2.0	-5.1	-5.3	-6.6	-6.2	-5.6	-0.2	0.6	-1.2	-1.8	-3.5	Other industry
2.3	1.4	1.5	0.4	-1.3	-1.1	0.7	1.4	2.2	2.9	2.7	2.3	Manufacture of other fabricated metal products; metal working service activities
7.9	2.5	3.3	2.9	0.1	0.1	2.1	2.5	3.1	2.2	1.3	1.7	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
15.0	13.0	9.2	7.1	4.4	4.8	5.6	3.9	4.1	5.0	5.1	3.4	Treatment and coating of metals; machining
-1.6	0.9	0.2	-0.3	-1.2	-3.2	-2.4	-0.9	-0.5	0.4	0.9	1.2	Manufacture of tins and cans for food products, collapsible tubes and boxes
												Manufacture of metal cable, plaited bands and similar articles
-3.2	-1.6	-4.5	-5.2	-6.1	-5.4	-1.7	-1.8	0.3	0.2	-0.6	0.8	Manufacture of bolts, screws, nuts and similar threaded products
-2.0	-2.5	-1.3	-11.5	-14.3	-13.8	-13.1	-11.9	-6.9	-7.5	-8.2	-8.3	Manufacture of metal household articles
2.3	4.1	3.1	2.1	0.6	1.2	3.1	5.0	4.1	7.3	7.8	4.7	Manufacture of any other fabricated metal products n.e.c.
-6.9	-9.7	-0.8	-0.1	-1.3	-0.8	-1.0	1.4	3.0	3.0	3.6	4.7	Other industry
-1.4	5.2	5.9	6.5	6.5	7.4	7.6	8.1	8.2	8.8	8.3	7.9	Manufacture of electronic components and boards
												Manufacture of diodes, transistors and similar semiconductor devices
-3.7	2.8	4.0	4.6	5.5	7.2	7.2	7.0	6.4	7.5	6.5	6.2	Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
3.6	10.3	9.7	10.5	8.9	8.7	9.0	10.8	11.9	11.9	11.7	11.3	Manufacture of printed circuit boards
												Manufacture of display components
-7.8	-1.0	1.1	1.7	2.2	2.0	2.6	2.4	2.8	2.1	3.2	2.9	Manufacture of other components for electronic applications
-5.7	3.0	4.5	5.0	6.3	6.3	7.6	7.2	9.3	9.2	8.3	7.7	Manufacture of computers and peripheral equipment
0.6	8.0	8.5	6.9	4.9	5.4	3.7	3.2	3.9	2.7	2.3	3.7	Manufacture of communication equipment
-1.4	1.9	2.7	-1.6	-8.1	-3.8	-1.2	2.4	0.4	-0.6	1.2	0.8	Manufacture of consumer electronics
-5.2	1.7	2.4	2.2	2.5	4.4	3.9	4.6	6.5	6.7	3.9	3.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
												Manufacture of measuring, testing, navigating and control equipment
-4.2	3.0	3.4	3.6	4.4	6.6	6.2	6.7	6.5	7.3	3.4	3.0	Manufacture of industrial process control equipment
-8.6	-2.5	-0.8	-2.5	-3.6	-2.8	-3.8	-2.5	6.5	4.9	5.8	5.1	Manufacture of watches and clocks and parts
-8.0	0.9	1.2	2.2	3.4	4.7	4.4	3.6	1.1	0.1	-0.1	-0.5	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021		2022	
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-2.6	-8.8	-10.6	-4.8	-4.9	-8.8	-9.9	-11.3	-1.2	-9.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	5.6	6.7	6.0	3.7	5.6	6.7	5.4	4.5	5.9	5.4
	27101 Pembuatan motor elektrik, penjana dan transformer	6.2	5.8	8.0	6.2	6.4	5.8	7.3	1.0	7.9	7.3
	27102 Pembuatan perkakasan pengagihan dan pengawalan	5.1	7.4	4.3	1.8	4.9	7.4	3.9	7.5	4.4	3.9
272/ 27200	Pembuatan bateri dan akumulator	9.4	-8.8	11.2	0.5	-2.2	-8.8	10.0	-4.6	10.9	10.0
273	Pembuatan pendawaian dan peranti pendawaian	1.7	7.9	-1.0	9.6	9.4	7.9	-0.9	8.3	0.3	-0.9
	27310 Pembuatan kabel gentian optikal	-11.5	-0.3	-11.7	-4.2	4.4	-0.3	-12.9	0.2	-13.3	-12.9
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	2.5	7.2	-0.5	9.4	8.7	7.2	-0.2	7.7	1.1	-0.2
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	0.5	22.1	-1.1	20.9	22.2	22.1	-1.4	21.9	-1.1	-1.4
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-11.6	-18.9	-11.3	-4.3	-9.0	-18.9	-10.6	-17.3	-11.5	-10.6
275/ 27500	Pembuatan perkakasan domestik	-4.0	3.3	-0.1	-1.7	-2.9	3.3	-5.7	3.2	-5.5	-5.7
279/ 27900	Pembuatan kelengkapan elektrik lain	18.4	0.5	16.0	11.1	-0.3	0.5	16.8	1.4	18.7	16.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.9	1.1	3.1	3.1	0.3	1.1	1.6	1.3	1.5	1.6
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-7.1	22.6	-6.9	-0.7	3.8	22.6	-8.1	23.6	-7.4	-8.1
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.9	-5.1	5.2	3.8	-0.8	-5.1	4.0	-4.3	4.0	4.0
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-3.6	-7.9	-9.6	-2.7	-7.5	-7.9	-17.1	1.6	-14.4	-17.1
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-8.3	-3.4	-5.4	-6.1	-6.9	-3.4	-8.4	-0.6	-4.5	-8.4
		5.8	4.4	9.1	7.0	3.9	4.4	9.7	1.7	7.2	9.7
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-9.5	1.7	-8.2	0.4	2.4	1.7	-8.2	1.9	-9.9	-8.2
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-14.7	-1.1	-19.6	-0.6	0.8	-1.1	-19.8	2.3	-19.0	-19.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-4.6	0.9	-5.6	0.9	0.5	0.9	-5.8	1.9	-6.1	-5.8
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.2	-0.6	-0.7	-1.8	-0.8	-0.6	-1.8	-0.7	-4.6	-1.8
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-12.4	1.5	-9.2	1.3	0.5	1.5	-10.5	0.8	-10.5	-10.5
	30910 Pembuatan motosikal	-7.6	3.4	-7.6	0.7	2.5	3.4	-8.7	2.6	-9.1	-8.7
	30920 Pembuatan basikal dan invalid carriages	-23.0	-7.1	-13.0	6.3	-2.8	-7.1	-13.3	-11.0	-15.6	-13.3
	Industri lain	-12.9	2.1	-9.4	0.6	-0.2	2.1	-11.3	2.6	-10.2	-11.3
310	Pembuatan perabot	-2.9	4.0	-0.7	-2.5	4.6	4.0	-1.1	4.3	-1.3	-1.1
	31001 Pembuatan perabot kayu dan rotan	-3.4	5.4	-1.9	-5.3	4.3	5.4	-2.6	7.1	-2.7	-2.6
	Industri lain	-1.4	-0.4	3.2	6.8	5.5	-0.4	3.4	-3.8	3.4	3.4
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-9.8	-4.2	-9.0	-8.4	-7.5	-4.2	-4.6	-1.7	-9.4	-4.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6.0	8.2	7.3	4.6	5.4	8.2	5.7	3.9	5.2	5.7
	32901 Pembuatan alat tulis	5.6	3.0	-4.0	-4.6	-3.9	3.0	-6.9	4.3	-3.3	-6.9
	Industri lain	6.1	9.9	11.3	7.8	8.6	9.9	10.4	3.8	8.3	10.4
323/ 32300	Pembuatan barangan sukan	-1.2	13.0	14.7	6.9	5.4	13.0	14.3	-1.4	12.1	14.3
324/ 32400	Pembuatan permainan dan mainan	-6.5	0.5	-8.3	-7.7	-6.5	0.5	-8.8	3.3	-7.6	-8.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-2.6	3.7	0.8	1.5	2.3	3.7	-0.6	1.7	-2.4	-0.6
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-5.9	-7.3	-9.3	-7.3	-4.2	-7.3	-11.2	-6.9	-8.2	-11.2
	Industri lain	-1.9	6.1	3.2	3.5	3.7	6.1	1.9	3.5	-1.1	1.9
Jumlah Pembuatan		-2.0	2.7	-1.1	1.2	1.6	2.7	-2.2	2.1	-2.4	-2.2

2021												2022		Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.			
-10.6	-8.8	-6.9	-4.8	-5.4	-3.8	-4.9	-4.8	-9.7	-8.8	-13.3	-11.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media		
6.0	5.0	4.3	3.7	2.8	4.2	5.6	5.4	5.0	6.7	5.0	4.5	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus		
8.0	7.0	6.0	6.2	5.7	6.3	6.4	5.4	4.2	5.8	1.8	1.0	Manufacture of electric motors, generators and transformers		
4.3	3.4	3.0	1.8	0.4	2.5	4.9	5.4	5.6	7.4	7.7	7.5	Manufacture of electricity distribution and control apparatus		
11.2	9.3	8.8	0.5	-1.3	3.7	-2.2	-2.2	-9.0	-8.8	-10.6	-4.6	Manufacture of batteries and accumulators		
-1.0	4.7	7.6	9.6	8.8	8.4	9.4	5.3	5.7	7.9	8.6	8.3	Manufacture of wiring and wiring devices		
-11.7	-3.6	-2.9	-4.2	-2.9	-2.9	4.4	6.2	-2.2	-0.3	0.6	0.2	Manufacture of fibre optic cables		
-0.5	5.5	8.6	9.4	8.5	7.9	8.7	4.0	4.8	7.2	7.9	7.7	Manufacture of other electronic and electric wires and cables		
-1.1	-0.2	1.1	20.9	20.6	21.4	22.2	22.5	23.5	22.1	22.7	21.9	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material		
-11.3	-5.2	-5.0	-4.3	-5.7	-8.1	-9.0	-10.4	-17.1	-18.9	-18.2	-17.3	Manufacture of electric lighting equipment		
-0.1	0.4	0.7	-1.7	-2.7	-3.0	-2.9	1.2	2.2	3.3	3.4	3.2	Manufacture of domestic appliances		
16.0	16.8	16.3	11.1	3.7	2.3	-0.3	-2.4	-0.1	0.5	1.6	1.4	Manufacture of other electrical equipment		
3.1	4.2	3.5	3.1	0.9	1.0	0.3	1.2	1.5	1.1	1.4	1.3	Manufacture of general-purpose and special-purpose machinery		
												Manufacture of fluid power equipment		
-6.9	-5.0	0.4	-0.7	2.9	3.7	3.8	3.4	24.6	22.6	23.1	23.6	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	5.8	5.1	3.8	0.8	0.5	-0.8	0.6	-5.0	-5.1	-3.9	-4.3	Manufacture of metal-forming machinery and machine tools		
-9.6	0.6	-0.5	-2.7	-5.8	-5.2	-7.5	-8.5	-8.0	-7.9	1.1	1.6	Manufacture of air-conditioning machines, including for motor vehicles		
-5.4	-2.6	-4.6	-6.1	-5.8	-6.6	-6.9	-4.9	-4.5	-3.4	-2.1	-0.6	Manufacture of other special-purpose machinery		
9.1	7.2	6.0	7.0	3.9	4.2	3.9	4.8	5.2	4.4	2.1	1.7	Other industry		
-8.2	0.3	0.9	0.4	-0.2	0.6	2.4	3.8	1.4	1.7	1.9	1.9	Manufacture of motor vehicles		
-19.6	-3.6	5.1	-0.6	1.9	0.8	0.8	1.2	0.1	-1.1	-1.5	2.3	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers		
-5.6	0.7	2.9	0.9	-0.3	-0.7	0.5	1.4	0.9	0.9	2.1	1.9	Manufacture of parts and accessories for motor vehicles		
-0.7	1.7	0.3	-1.8	-5.1	-4.7	-0.8	1.7	1.4	-0.6	-0.1	-0.7	Building of ships and boats		
-9.2	0.6	0.4	1.3	-0.8	-0.7	0.5	1.6	1.2	1.5	0.2	0.8	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c		
-7.6	0.6	0.5	0.7	0.4	1.0	2.5	4.2	3.2	3.4	3.1	2.6	Manufacture of motorcycles		
-13.0	9.0	8.1	6.3	3.9	3.1	-2.8	-3.6	-4.6	-7.1	-10.5	-11.0	Manufacture of bicycles and invalid carriages		
-9.4	-1.4	-1.3	0.6	-2.8	-2.7	-0.2	0.9	0.9	2.1	0.7	2.6	Other industry		
-0.7	5.8	3.6	-2.5	-4.4	-4.1	4.6	4.5	4.7	4.0	4.4	4.3	Manufacture of furniture		
-1.9	2.8	2.0	-5.3	-7.5	-7.2	4.3	4.1	4.8	5.4	7.6	7.1	Manufacture of wooden and cane furniture		
3.2	16.0	8.6	6.8	5.7	5.7	5.5	6.1	4.2	-0.4	-5.0	-3.8	Other industry		
-9.0	-3.4	-9.2	-8.4	-6.6	-6.9	-7.5	-6.4	-3.9	-4.2	-4.6	-1.7	Manufacture of jewellery, bijouterie and related articles		
7.3	8.5	7.5	4.6	4.9	5.4	5.4	6.5	7.6	8.2	5.6	3.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.		
-4.0	-1.8	-1.9	-4.6	-4.1	-3.9	-3.9	-1.0	1.8	3.0	2.0	4.3	Manufacture of stationery		
11.3	12.0	10.7	7.8	8.1	8.6	8.6	9.1	9.6	9.9	6.7	3.8	Other industry		
14.7	9.2	8.4	6.9	7.3	5.6	5.4	7.7	10.8	13.0	2.1	-1.4	Manufacture of sports goods		
-8.3	-10.5	-6.9	-7.7	-7.4	-7.6	-6.5	-3.4	-2.2	0.5	-1.2	3.3	Manufacture of games and toys		
0.8	1.7	3.4	1.5	1.3	1.9	2.3	4.2	4.8	3.7	2.6	1.7	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment		
-9.3	-3.7	-3.4	-7.3	-4.0	-4.1	-4.2	-4.7	-3.5	-7.3	-7.2	-6.9	Repair and maintenance of transport equipment except motorcycles and bicycles		
3.2	2.9	4.9	3.5	2.4	3.2	3.7	6.0	6.5	6.1	4.7	3.5	Other industry		
-1.1	3.0	2.8	1.2	0.8	1.0	1.6	2.4	2.6	2.7	2.2	2.1	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	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
101	Pemprosesan dan pengawetan daging	1.7	-0.2	3.7	-3.9	3.6	-0.8	-1.0
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	4.8	-2.9	0.5	-0.03	5.1	0.1	-0.4
10201 & 10202	Pengetinan ikan, krustasea dan moluska	3.8	-2.4	-0.7	-1.2	3.5	0.5	-0.2
	Pemprosesan dan pengawetan ikan, krustasea dan moluska							
	Industri lain	10.7	-5.9	7.9	6.3	15.0	-1.9	-1.8
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.2	-0.7	-8.7	-1.1	4.0	-1.3	-1.4
10303 & 10304	Pengetinan nanas	1.2	-1.8	-50.7	0.9	3.2	-0.9	-0.9
	Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	1.2	-0.5	-4.1	-1.2	4.1	-1.4	-1.4
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	0.2	0.4	2.1	0.2	0.4	0.02	-0.3
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	1.5	-0.8	0.0	4.8	-1.1	0.1	2.5
	Pembuatan sebatian lemak masakan							
10405	Pembuatan minyak kelapa	1.3	-1.1	-0.02	2.6	0.4	0.8	0.1
	Industri lain	0.1	0.5	2.3	-0.2	0.5	-0.01	-0.4
105	Pembuatan produk tenusu	6.3	0.7	0.1	-4.9	4.5	0.9	0.8
10502	Pembuatan susu pekat, tepung dan sejat	7.0	0.4	0.5	-4.5	6.2	0.4	0.4
	Industri lain	4.3	1.4	-1.0	-6.1	-0.1	2.2	2.1
106	Pembuatan produk bijian, kanji dan produk berkanji	2.4	-0.05	3.1	-0.4	3.0	-0.6	0.1
10611 & 10613	Pengilangan beras	5.2	-1.0	6.7	-6.0	6.4	-0.9	-0.2
	Pengilangan tepung	0.2	1.5	0.4	3.4	-0.4	-0.1	0.7
	Industri lain	-0.3	-2.6	-2.2	10.8	2.6	-1.3	-1.6
107	Pembuatan produk makanan lain	4.5	0.5	0.4	0.9	4.2	0.2	0.1
10711 & 10712	Pembuatan biskut dan cookies	-1.0	-0.1	0.0	19.7	-0.04	-0.5	-0.5
	Pembuatan roti, kek dan produk bakeri lain	1.9	4.9	1.4	-0.8	1.8	0.1	0.01
10713	Pembuatan produk snek	1.2	-0.5	-4.4	-0.01	3.3	-1.0	-1.0
10721	Pembuatan gula	-0.3	-1.0	1.2	-3.1	-0.5	0.1	0.1
10731	Pembuatan produk koko	-1.3	-1.7	-1.2	-1.1	-0.1	-0.6	-0.6
10732 & 10733	Pembuatan coklat dan produk coklat	-0.6	-1.3	-1.5	-4.7	0.7	-0.6	-0.8
	Pembuatan konfeksi gula							
10793	Pembuatan sos dan bahan perasa	12.7	-2.1	1.0	6.2	14.4	-0.8	-0.7
10799	Pembuatan produk makanan lain f.t.t.l.	14.9	-1.5	0.4	-5.3	10.3	3.6	0.6
	Industri lain	5.6	-0.4	1.2	-1.1	4.6	0.01	1.0
108/10800	Pembuatan makanan haiwan tersedia	-1.0	-0.2	-10.6	-5.9	-1.2	0.2	0.03
110	Pembuatan minuman ringan	2.8	-3.0	2.5	-0.5	1.9	0.5	0.3
11041 & 11042	Pembuatan minuman ringan	0.2	-1.3	-0.9	1.9	-0.4	0.4	0.3
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.0	-6.3	2.6	-1.7	1.4	0.3	0.3
	Industri lain	26.5	-5.0	25.4	-11.0	23.3	2.4	0.2
120/12000	Pembuatan produk tembakau	21.7	-18.5	3.9	0.2	7.2	14.9	-1.2
131	Pemintalan, penenunan dan penyiapan tekstil	0.7	-2.7	0.7	0.9	-0.7	1.2	0.3
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	-0.6	-2.2	-2.5	-0.5	-1.1	0.9	-0.5
	Penenunan tekstil							
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	6.0	0.1	10.4	8.1	-1.0	3.5	3.5
	Industri lain	-2.1	-21.6	2.9	-20.9	4.9	-3.4	-3.3
139	Pembuatan tekstil lain	4.4	0.05	1.3	2.3	4.8	-1.0	0.6
13910	Pembuatan fabrik dikait dan dikrusye	2.4	2.6	2.3	3.16	3.1	-0.3	-0.4
	Industri lain	5.8	-1.6	0.5	1.8	6.0	-1.5	1.3
141	Pembuatan pakaian, kecuali pakaian berbulu	0.7	-4.4	-1.3	7.3	0.1	0.6	-0.02
14102	Pembuatan pakaian	0.4	-2.3	-1.1	6.3	-0.5	0.8	0.1
	Industri lain	1.4	-9.9	-1.9	10.1	1.6	0.1	-0.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-4.3	-0.8	-16.4	1.9	-4.3	1.9	-1.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	0.8	-2.9	6.6	3.3	0.2	1.4	-0.7
152	Pembuatan kasut	2.2	-3.5	-0.1	1.8	2.9	1.6	-2.3
15201 & 15203	Pembuatan kasut kulit	0.5	-5.0	-2.3	5.0	2.4	1.2	-3.0
	Pembuatan kasut getah							
	Industri lain	4.4	-1.7	2.5	-1.9	3.6	2.2	-1.3
161/16100	Pengilangan dan pengetaman kayu	0.9	-7.7	11.1	0.7	1.1	0.1	-0.3

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-1.8	0.9	2.7	0.2	0.9	-1.2	-1.5
16211	Pembuatan kepingan venier dan papan lapis	-3.6	0.8	5.4	-1.4	-0.7	-1.4	-1.5
16212	Pembuatan papan partikel dan papan gentian	0.6	-6.7	-2.3	6.1	0.3	0.2	0.2
16221	Perfukangan kayu untuk jurubina	3.0	2.9	0.2	-5.9	5.2	-0.9	-1.1
	Industri lain	-2.0	4.1	-0.8	9.0	2.5	-1.7	-2.7
170	Pembuatan kertas dan produk kertas	1.9	-2.0	1.1	2.6	1.4	0.6	-0.1
17010	Pembuatan pulpa, kertas dan kertas tebal	1.4	-3.0	0.9	8.1	0.5	0.4	0.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	0.9	-0.7	0.1	1.2	0.1	0.5	0.3
17091	Pembuatan sampul surat dan kad surat	3.0	-2.5	-1.3	-5.0	4.6	-0.8	-0.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	1.0	-1.0	0.2	5.9	1.8	-0.4	-0.5
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7.3	-5.5	6.7	-0.9	2.3	4.7	0.2
	Industri lain	1.3	-2.6	0.8	0.5	4.8	-1.8	-1.6
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.9	-3.9	-0.9	7.9	0.3	0.1	0.5
18110	Percetakan	1.1	-3.8	-1.0	8.7	0.5	0.03	0.6
18120	Aktiviti perkhidmatan berkaitan percetakan							
&		0.2	-4.0	-0.4	4.4	-0.3	0.2	0.3
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	3.5	-2.3	2.0	-0.3	1.0	0.02	2.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-2.2	-3.2	0.6	-3.1	-2.2	-0.1	0.1
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	7.4	-0.7	1.9	-24.8	8.4	-0.5	-0.5
20112	Pembuatan kimia organik asas							
&		0.7	-2.1	1.0	9.4	1.2	-0.3	-0.3
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja							
&		3.4	-8.8	1.1	-13.0	3.0	-0.3	0.6
20129	Pembuatan produk campuran nitrogen							
20131	Pembuatan plastik dalam bentuk primer	-15.8	-0.8	-1.6	-1.4	-16.5	0.4	0.4
	Industri lain	4.3	-3.1	1.6	11.2	2.8	1.1	0.4
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	9.2	-3.2	-1.1	3.6	3.6	-0.2	5.5
20210	Pembuatan racun perosak dan produk agrokimia lain	14.2	-1.5	-0.7	5.7	20.7	-2.7	-2.7
20221	Pembuatan cat, varnis dan penyadur dan mastik	19.5	-16.7	-2.7	-3.2	3.5	-3.1	19.0
20222	Pembuatan dakwat cetak	23.1	0.8	0.0	0.4	0.0	0.1	23.0
20231	Pembuatan sabun dan bahan pencuci, penyediaan							
&	membersih dan mengilat	1.6	0.8	-1.7	-0.5	0.8	0.4	0.4
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials							
&								
20292	Pembuatan dakwat menulis dan melukis	8.1	0.8	0.4	15.8	5.2	2.0	0.7
&								
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	-2.9	0.6	-1.0	-8.6	-1.0	-1.0	-1.0
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	0.3	12.1	1.1	-5.5	-0.1	0.6	-0.2
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	0.5	11.1	0.2	-3.0	-0.2	1.0	-0.3
	Industri lain	-0.2	14.8	3.1	-11.2	0.2	-0.2	-0.2
221	Pembuatan produk getah	0.9	3.7	-1.3	-2.5	0.8	-0.5	0.7
22111	Pembuatan tayar getah untuk kenderaan	-1.3	8.9	-12.5	2.4	1.6	-1.4	-1.4
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	-3.8	-5.9	5.2	8.0	-0.1	-1.9	-1.8
22191	Pembuatan produk lain daripada getah asli atau sintetik, &							
&	tidak divulkan, divulkan atau dikeraskan	-0.3	-0.2	-3.3	-3.2	0.3	-1.2	0.6
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	1.2	5.4	-0.2	-6.0	0.1	-0.2	1.3
22199	Pembuatan produk getah lain yang t.t.t.l.	2.0	2.1	-0.4	3.4	2.3	-0.5	0.1
222	Pembuatan produk plastik	0.8	-0.2	-2.1	1.3	1.3	-0.5	-0.01
22201	Pembuatan produk plastik separa siap							
&		-1.2	1.3	-3.3	-1.9	0.1	-0.9	-0.4
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	0.8	0.5	-1.1	3.7	2.1	-0.9	-0.4
22204	Pembuatan barangan plastik jurubina	3.7	-3.9	0.2	0.4	2.9	0.6	0.2
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	3.0	-0.9	-1.6	0.3	1.9	0.2	0.8
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1.5	-1.4	-2.4	1.5	1.2	-0.02	0.3
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	1.6	-2.0	-1.6	7.7	1.0	0.3	0.3

2021						2022					Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.4	3.9	-2.5	0.9	0.1	1.7	-0.2	1.5	-1.1	0.1	-0.5	Manufacture of products of wood, cork, straw and plaiting materials
-0.8	4.7	-3.1	1.6	0.7	3.1	-1.5	0.8	-0.7	-1.7	-0.9	Manufacture of veneer sheets and plywood
-0.6	0.03	-6.2	-0.3	-0.8	-1.2	1.4	3.8	0.8	1.9	0.5	Manufacture of particle board and fibreboard
1.2	1.9	-0.2	-0.4	-0.1	0.7	0.8	-5.2	-1.6	0.1	0.3	Manufacture of builders' carpentry
-0.9	5.9	-0.8	0.5	-1.3	-0.04	2.4	9.1	-2.6	4.8	-0.3	Other industry
-0.7	-0.3	-1.0	-0.6	0.01	1.7	1.5	1.7	-0.7	0.7	0.8	Manufacture of paper and paper products
-1.1	-0.4	-1.5	0.0	-0.9	1.9	7.2	0.7	0.1	0.2	-1.1	Manufacture of pulp, paper and paperboard
-0.7	0.01	0.1	-3.4	1.3	2.2	1.6	0.1	-0.5	-0.1	1.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-2.1	-0.3	-0.1	-0.4	-0.5	-0.4	-0.8	-3.5	-0.8	2.9	-1.0	Manufacture of envelopes and letter-card
-0.3	-0.6	-0.2	-0.5	-0.4	1.1	-0.3	8.6	-2.2	0.7	-0.7	Manufacture of household and personal hygiene paper
-0.8	-0.2	-4.4	6.3	-0.6	1.0	-0.9	0.03	-0.04	0.6	4.1	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.4	-0.8	-2.2	0.7	-2.2	2.4	0.2	0.9	-0.5	4.1	-0.5	Other industry
-3.0	0.3	-1.2	-0.5	0.1	-0.6	4.1	3.1	0.5	0.1	-0.2	Printing, service activities related to printing and reproduction of recorded media
-3.1	0.3	-1.1	-0.5	0.04	-0.6	4.2	3.7	0.6	0.1	-0.3	Printing
-2.5	-0.1	-1.5	-0.4	0.5	-0.6	3.5	0.7	0.2	0.1	-0.1	Service activities related to printing
											Reproduction of recorded media
-2.6	0.04	0.3	1.9	0.02	0.1	-0.5	-0.5	0.7	-0.3	1.5	Manufacture of refined petroleum products
-2.3	-0.4	-0.4	0.9	-0.03	-0.3	-0.5	-2.6	-0.01	0.6	0.8	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
0.0	-1.3	0.5	1.2	0.1	0.7	-0.9	-24.0	-0.1	2.8	-1.2	Manufacture of liquefied or compressed inorganic industrial or medical gases
											Manufacture of basic organic chemicals
-0.6	-0.1	-1.4	1.5	-0.1	-0.5	0.6	8.2	0.5	0.1	0.4	Manufacture of inorganic compounds
											Manufacture of fertilizers
-8.6	-0.2	-0.1	1.7	0.1	-0.7	-1.1	-11.1	-1.1	1.2	3.7	Manufacture of associated nitrogen products
-0.1	-0.8	0.1	-0.6	-0.3	-0.6	-1.5	0.3	-0.2	-0.6	0.1	Manufacture of plastics in primary forms
-2.9	0.5	-0.7	-0.5	1.0	1.1	-0.2	10.3	1.1	2.5	1.2	Other industry
-4.3	0.9	0.3	-1.1	-0.3	0.3	2.8	1.3	-0.5	0.7	-1.1	Manufacture of other chemical products and man-made fibres
-0.3	-1.2	-0.1	-0.2	-0.6	0.1	0.6	4.1	1.0	0.6	-2.8	Manufacture of pesticides and other agrochemical products
-16.3	-0.3	-0.1	0.1	-0.8	-1.9	0.3	-2.2	-1.2	3.7	-3.3	Manufacture of paints, varnishes and similar coatings ink and
-1.4	0.3	1.9	0.2	-0.3	0.1	-2.0	2.5	-0.1	0.2	-0.2	Manufacture of printing ink
-1.4	2.5	-0.2	-1.9	-0.3	0.5	-0.2	0.4	-0.7	0.04	-0.8	Manufacture of soap and detergents, cleaning and polishing preparations
											Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-0.2	0.2	0.9	-1.4	0.2	1.7	11.7	4.2	-0.5	-0.1	0.1	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
-0.3	-0.3	1.3	-0.3	0.0	-0.6	0.0	-8.0	-0.6	2.2	0.8	Other industry
12.8	-0.8	0.2	0.8	0.9	-0.7	-0.6	-5.1	0.2	-1.6	0.5	Manufacture of pharmaceuticals, medicinal chemical and botanical products
12.0	-0.7	-0.1	0.7	0.8	-1.2	0.3	-3.0	-0.3	-2.9	1.1	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
14.8	-0.9	0.9	0.9	1.4	0.8	-2.6	-10.2	1.5	1.6	-0.8	Other industry
4.2	-0.3	-0.2	-0.7	-0.4	-0.2	-0.3	-1.8	-0.4	2.2	-0.4	Manufacture of rubber products
8.9	0.3	-0.2	-12.0	-0.2	-0.4	-0.7	1.2	1.8	1.7	0.9	Manufacture of rubber tyres for vehicles
3.3	-3.6	-5.4	0.5	3.0	1.6	1.9	7.2	-1.2	0.4	-4.0	Manufacture of interchangeable tyre treads and retreading rubber tyres
1.6	-1.4	-0.4	0.9	-0.7	-3.4	-1.2	-1.7	-0.2	0.8	-1.1	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
4.7	0.1	0.5	-0.2	-0.3	0.3	-0.6	-4.9	-0.6	3.4	-0.7	Rubber remilling and latex processing
3.6	-0.4	-1.1	-0.1	-0.6	0.4	0.6	3.4	-0.5	0.7	0.6	Manufacture of rubber gloves
											Manufacture of other rubber products n.e.c.
1.3	-0.3	-1.2	-0.8	-0.4	-0.9	0.3	0.8	0.2	-1.0	-0.8	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
3.7	-0.5	-1.9	-2.1	-0.9	-0.3	0.2	-2.0	-0.2	-1.1	-0.7	Manufacture of finished plastic products
1.2	-0.1	-0.5	-1.1	-0.2	0.2	0.9	2.2	0.6	-1.5	-0.9	Manufacture of plastic articles for the packing of goods
-0.3	-1.0	-2.7	0.3	0.3	-0.5	1.2	-1.2	0.4	0.9	-0.5	Manufacture of builders' plastics ware
0.3	0.02	-1.3	-2.0	0.5	-0.04	0.6	0.1	-0.4	14.9	-0.01	Manufacture of plastic tableware, kitchenware and toilet articles
0.1	-0.3	-1.2	0.5	-0.5	-2.4	-0.2	1.6	0.1	-4.4	-1.0	Manufacture of diverse plastic products n.e.c.
0.6	-1.2	-1.4	-0.5	0.1	-1.3	3.0	-0.5	5.1	1.2	-0.9	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	0.6	-1.2	1.6	0.5	2.1	-2.0	0.5
23911	Pembuatan mortar refraktori dan konkrit							
&		6.1	-0.8	-2.7	1.2	3.3	-2.7	5.5
23921	Pembuatan seramik bukan refraktori							
23930	Pembuatan produk porselin dan seramik lain	-4.9	1.9	-4.7	1.5	1.2	-5.6	-0.5
23941	Pembuatan simen hidrolik	2.4	-0.02	-0.3	4.1	2.4	-0.1	0.1
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-4.7	1.2	6.9	-1.1	2.2	-6.3	-0.5
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	1.9	-3.6	2.2	2.8	1.1	0.3	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.	2.0	-1.8	2.7	2.1	2.2	0.2	-0.4
	Industri lain	-0.3	-0.3	0.4	-10.6	3.7	-2.0	-1.8
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-1.3	-1.7	-2.0	7.1	1.8	-2.7	-0.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.6	-4.2	0.1	0.8	0.3	1.5	-0.2
243	Pengacuan logam	7.4	-7.0	-0.03	1.8	0.6	3.1	3.5
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.6	-6.1	4.1	-0.3	0.5	-0.1	1.1
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	2.4	-7.2	5.3	-1.8	0.6	0.0	1.7
&								
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	-0.3	-2.3	3.0	1.3	0.04	-0.1	-0.2
	Industri lain	0.3	-5.7	-0.4	4.9	0.8	-0.6	0.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.5	-2.4	0.4	2.4	0.7	0.8	1.0
25910	Tempaan, tekanan, hentakan dan bentuk geleskan logam; serbuk metalurgi	1.1	-0.7	0.5	1.2	2.0	-0.2	-0.7
25920	Rawatan dan penyalutan logam; menggunakan mesin	10.3	-6.6	-2.4	4.4	0.6	4.9	4.5
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.1	-1.1	-1.7	4.4	1.4	-1.2	-1.3
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam							
&		-1.6	-2.1	3.1	0.9	0.2	-1.2	-0.6
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya							
25994	Pembuatan barangan rumah daripada logam	2.2	-11.0	-2.5	4.2	0.2	1.0	1.0
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.3	-1.3	0.5	2.8	0.1	2.4	2.8
	Industri lain	1.4	-1.9	1.1	2.5	-0.4	-0.1	1.9
261	Pembuatan komponen dan papan elektronik	1.9	2.2	1.0	3.5	0.1	1.2	0.6
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya							
&		1.8	2.4	1.8	1.4	0.1	1.3	0.4
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro							
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	2.7	1.9	0.1	6.8	0.2	1.3	1.2
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	-0.7	2.2	-1.5	2.1	-0.2	0.1	-0.6
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	1.5	1.1	3.3	3.1	1.3	0.6	-0.4
263/ 26300	Pembuatan peralatan komunikasi	-1.8	4.1	-0.1	0.6	-1.0	-0.2	-0.7
264/ 26400	Pembuatan peralatan elektronik pengguna	-1.1	-0.3	2.2	-1.4	-0.8	-0.1	-0.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	4.0	-0.3	0.6	2.4	3.5	0.1	0.3
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	4.5	0.4	1.5	0.8	4.8	-0.3	0.0
&								
26512	Pembuatan kelengkapan kawalan proses perindustrian							
26520	Pembuatan jam tangan dan jam dan bahagiannya	2.3	-2.9	-2.2	8.0	-0.8	1.6	1.6
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-0.2	1.6	2.3	-3.4	-0.4	0.1	0.1

2021						2022					Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
0.8	0.02	-2.0	0.7	0.1	0.8	-0.6	0.8	0.3	1.0	-1.8	Manufacture of non-metallic mineral products
											Manufacture of refractory mortars and concretes
0.0	0.0	-0.8	-2.4	-0.5	0.1	-2.5	3.2	0.6	-6.3	-2.2	Manufacture of non-refractory ceramic
0.1	3.5	-1.6	-0.8	-0.4	-3.5	1.8	-0.5	0.2	1.8	-1.1	Manufacture of other porcelain and ceramic products
1.0	-0.7	-0.3	-0.2	-0.3	0.1	0.03	3.7	0.3	0.3	0.1	Manufacture of hydraulic cement
2.3	0.3	-1.4	1.7	2.7	2.3	-2.9	1.7	0.2	0.9	-4.8	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
0.0	-0.5	-3.1	1.9	-0.7	1.0	-0.2	2.6	0.4	1.7	-1.7	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.
0.8	0.7	-3.3	1.0	-0.4	2.0	2.2	0.2	-0.4	3.9	1.1	Manufacture of other non-metallic mineral products n.e.c.
2.2	-0.8	-1.6	-0.03	-0.2	0.6	0.1	-10.8	0.1	5.6	-0.9	Other industry
-2.1	-0.1	0.5	-1.8	-0.2	0.1	2.3	-0.2	4.9	-0.6	-2.4	Manufacture of basic iron and steel
-0.8	-0.6	-2.8	-0.7	-0.1	0.9	0.5	0.2	0.02	1.4	2.7	Manufacture of basic precious and other non-ferrous metals
-5.0	-1.6	-0.5	-2.8	2.5	0.4	-0.02	1.7	0.2	4.0	2.1	Casting of metals
-1.7	-0.1	-4.5	1.2	0.1	2.6	0.3	-1.0	0.3	0.1	-0.7	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
-1.7	0.5	-6.0	1.8	0.5	3.0	0.1	-2.4	0.5	0.3	-0.6	Manufacture of other structural metal products
											Manufacture of tanks, reservoirs and containers of metal
-0.2	-0.6	-1.6	0.8	-1.2	3.3	0.6	0.8	-0.1	-0.8	0.4	
-3.2	-2.4	-0.2	-0.8	0.1	0.2	1.1	3.6	0.2	0.1	-2.2	Other industry
-0.7	-0.5	-1.2	-0.8	-0.03	1.2	0.7	0.7	1.0	0.5	0.4	Manufacture of other fabricated metal products; metal working service activities
											Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-0.4	0.1	-0.4	-1.3	0.0	1.9	0.7	0.4	0.1	1.1	0.2	Treatment and coating of metals; machining
-3.7	-0.7	-2.4	0.4	-2.2	-0.7	1.9	1.5	0.9	0.7	3.2	Manufacture of tins and cans for food products, collapsible tubes and boxes
0.6	-1.0	-0.7	-1.1	-0.7	0.1	1.7	1.1	1.5	1.9	-0.9	Manufacture of metal cable, plaited bands and similar articles
											Manufacture of bolts, screws, nuts and similar threaded products
-0.7	-0.8	-0.6	-1.0	0.6	3.5	-0.6	1.3	0.3	-0.6	0.2	
-1.2	0.6	-10.4	-3.9	0.5	0.9	-0.2	5.0	-0.5	-0.6	0.9	Manufacture of metal household articles
0.3	-0.7	-0.9	-0.7	0.5	0.7	0.4	-0.7	3.1	0.5	-0.6	Manufacture of any other fabricated metal products n.e.c.
-0.5	-0.5	-0.9	0.7	0.5	-0.1	1.6	0.8	0.1	0.2	1.0	Other industry
1.1	0.4	0.6	0.2	0.8	-0.05	2.0	0.8	0.6	-0.4	0.9	Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
1.8	0.5	0.1	0.3	1.4	0.1	0.3	0.5	0.6	-0.9	1.0	Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
0.2	0.2	1.5	0.2	0.2	-0.2	4.7	1.2	0.8	0.02	0.9	Manufacture of printed circuit boards
											Manufacture of display components
0.8	1.1	0.3	-0.5	-0.7	-0.3	0.3	1.6	0.2	0.9	-0.2	Manufacture of other components for electronic applications
-0.1	1.0	0.2	1.4	0.7	1.1	0.1	2.8	0.1	0.5	0.1	Manufacture of computers and peripheral equipment
1.5	1.1	1.5	-0.4	0.5	-0.2	0.5	0.9	-0.7	-1.3	1.2	Manufacture of communication equipment
-0.8	0.9	-0.5	-5.0	4.6	2.9	1.8	-2.0	-1.2	1.0	-0.5	Manufacture of consumer electronics
0.2	0.2	-0.7	0.0	0.6	0.03	0.3	1.9	0.2	0.8	-0.3	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
0.4	0.4	-0.3	0.5	0.7	0.2	0.6	-0.2	0.4	1.0	-0.7	Manufacture of industrial process control equipment
-0.6	-0.5	-1.9	-1.9	0.2	-0.5	-0.7	9.5	-0.6	0.1	0.8	Manufacture of watches and clocks and parts
-0.4	0.6	1.4	1.5	1.2	-0.5	-0.4	-2.7	-0.3	-0.6	-0.4	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.8	-0.01	-1.4	-5.8	-0.1	-1.0	-0.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.5	-2.0	4.2	1.9	2.2	0.1	0.2
	27101 Pembuatan motor elektrik, penjana dan transformer	5.7	-3.3	2.7	0.8	5.2	0.2	0.2
	27102 Pembuatan perkakasan pengagihan dan pengawalan	-0.1	-0.9	5.5	2.8	-0.2	-0.1	0.2
272/ 27200	Pembuatan bateri dan akumulator	2.0	-3.8	-0.2	-6.8	2.2	-0.7	0.5
273	Pembuatan pendawaian dan peranti pendawaian	-2.8	2.1	3.6	4.9	-1.0	-1.1	-0.8
	27310 Pembuatan kabel gentian optikal	-0.3	-1.4	8.2	-6.2	-1.3	0.5	0.5
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-3.3	0.9	3.7	5.9	-1.1	-1.2	-1.0
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.0	19.9	0.5	-0.7	0.7	0.6	0.6
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-3.0	-2.1	-5.0	-10.1	-0.5	-1.3	-1.3
275/ 27500	Pembuatan perkakasan domestik	4.3	-2.9	-1.7	3.8	0.4	-0.4	4.3
279/ 27900	Pembuatan kelengkapan elektrik lain	-1.0	-1.8	0.6	2.7	-0.5	-0.3	-0.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.6	1.2	-2.2	1.5	0.5	1.4	-1.4
	28120 & Pembuatan alat-alat kuasa bendalir							
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	0.5	-2.1	2.3	21.8	-0.1	0.3	0.3
	28180 & Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-0.2	0.2	-2.0	-3.2	-0.7	2.0	-1.4
	28220 Pembuatan jentera pembentukan logam dan alatan mesin							
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-2.8	-1.8	-4.2	0.7	-3.2	0.7	-0.3
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-0.2 1.9	-0.4 3.3	-4.6 -2.0	1.9 1.2	0.2 2.3	-0.2 1.8	-0.2 -2.1
291 (29101 & 29102)	Pembuatan kenderaan bermotor	0.6	-1.3	1.4	1.1	0.1	0.9	-0.4
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-1.1	0.8	0.1	-1.0	0.5	-0.1	-1.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	0.3	-0.5	-0.02	1.1	-0.2	0.6	-0.1
301 (30110 & 30120)	Pembinaan kapal dan bot	3.0	-7.3	5.1	-1.0	1.4	0.3	1.3
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	5.1	-4.7	0.9	0.4	4.8	0.2	0.1
	30910 Pembuatan motosikal	5.7	-4.8	1.8	1.1	2.8	1.4	1.4
	30920 Pembuatan basikal dan invalid carriages	11.4	-12.7	-4.0	-0.5	10.9	0.2	0.2
	Industri lain	3.1	-2.5	1.5	0.1	4.9	-0.8	-0.9
310	Pembuatan perabot	2.4	-4.6	7.5	-0.9	1.6	0.3	0.5
	31001 Pembuatan perabot kayu dan rotan	1.5	-5.5	9.9	0.0	0.4	0.3	0.8
	Industri lain	5.0	-2.1	0.5	-3.6	5.1	0.3	-0.4
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-3.5	-3.1	0.3	2.2	2.4	-1.2	-4.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5.3	-0.8	0.6	2.9	2.8	2.0	0.5
	32901 Pembuatan alat tulis	-1.4	-1.5	0.7	5.2	0.3	-1.9	0.3
	Industri lain	7.6	-0.6	0.6	2.2	3.7	3.2	0.6
323/ 32300	Pembuatan barangan sukan	12.4	-3.3	-1.5	5.6	11.7	0.3	0.3
324/ 32400	Pembuatan permainan dan mainan	1.2	-3.8	2.2	1.1	1.8	-1.3	0.7
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.8	-2.7	2.5	1.1	3.7	0.7	-1.5
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-2.1	-4.5	-0.6	-0.2	2.3	-2.1	-2.2
	Industri lain	3.9	-2.3	3.1	1.4	4.0	1.3	-1.4
Jumlah Pembuatan		1.6	-0.8	0.7	1.3	1.2	0.1	0.2

2021						2022					Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
0.2	0.4	-0.6	-1.9	1.3	-0.8	-0.2	-5.8	0.3	-5.1	1.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-1.7	-0.2	0.0	-0.2	2.5	2.0	0.3	-0.2	1.8	0.6	-0.4	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-2.8	-0.8	0.3	0.5	0.5	1.7	-0.2	-0.7	1.7	1.3	-0.6	Manufacture of electric motors, generators and transformers
-0.8	0.2	-0.2	-0.8	4.1	2.2	0.8	0.2	1.8	0.1	-0.3	Manufacture of electricity distribution and control apparatus
-0.6	1.1	-4.3	-1.3	5.7	-4.3	-0.2	-5.7	-0.9	0.1	6.0	Manufacture of batteries and accumulators
-1.0	1.0	2.1	-0.5	2.2	1.9	1.7	1.6	1.5	-0.4	-1.3	Manufacture of wiring and wiring devices
-1.8	0.8	-0.4	1.4	-0.4	7.1	-0.2	-8.9	3.1	-0.4	0.1	Manufacture of fibre optic cables
-1.1	1.0	1.0	-0.6	2.4	1.9	1.9	2.2	1.7	-0.5	-1.4	Manufacture of other electronic and electric wires and cables
0.6	1.0	18.0	-0.3	0.8	0.0	0.3	0.8	-1.7	1.1	-0.01	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
-1.4	-0.6	-0.1	-2.0	-1.9	-1.2	-0.9	-8.6	-0.7	0.3	-0.2	Manufacture of electric lighting equipment
-1.2	-1.0	-0.8	-1.4	0.1	-0.4	1.9	1.1	0.8	0.5	-0.6	Manufacture of domestic appliances
-0.2	-0.1	-1.4	0.2	-0.5	1.0	-0.6	3.5	-0.1	0.6	-0.5	Manufacture of other electrical equipment
0.5	-0.4	1.2	-2.1	0.0	-0.1	-0.04	1.8	-0.2	0.9	1.3	Manufacture of general-purpose and special-purpose machinery
											Manufacture of fluid power equipment
0.9	-0.6	-2.4	1.6	0.2	0.5	-1.3	25.3	-1.5	0.3	0.7	Manufacture of other pumps, compressors, taps and valves
											Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
1.3	-0.8	-0.3	-1.4	-0.3	-0.3	0.2	-3.1	-0.3	0.5	1.6	Manufacture of metal-forming machinery and machine tools
-0.3	-1.3	-0.2	-5.3	0.8	0.4	-2.3	2.2	0.9	6.2	1.2	Manufacture of air-conditioning machines, including for motor vehicles
1.6	0.2	-2.2	0.1	-1.1	-3.6	0.9	0.4	0.6	1.6	1.3	Manufacture of other special-purpose machinery
-0.2	-0.2	3.6	-2.8	0.2	0.6	0.3	1.3	-0.3	0.1	1.3	Other industry
-0.1	-0.2	-1.0	-0.9	0.4	1.9	0.6	0.1	0.4	0.2	0.9	Manufacture of motor vehicles
2.0	0.5	-1.7	-0.3	0.1	0.3	0.4	-1.0	-0.5	0.2	3.7	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
0.3	-0.4	-0.4	-0.5	-0.4	0.9	0.8	0.1	0.2	1.0	0.4	Manufacture of parts and accessories for motor vehicles
-5.7	0.5	-2.3	-0.1	0.2	5.0	0.6	0.4	-2.0	2.0	-0.3	Building of ships and boats
-3.2	-0.6	-1.0	-0.2	-0.3	1.4	1.0	-0.1	-0.5	3.4	0.8	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-3.8	-0.8	-0.3	-0.4	-0.02	2.2	2.1	-0.2	-0.8	2.5	0.9	Manufacture of motorcycles
-9.3	-1.7	-2.1	-1.0	-2.3	-0.8	-0.2	0.04	-0.3	6.8	-0.3	Manufacture of bicycles and invalid carriages
-1.1	-0.1	-1.3	0.1	0.03	1.3	0.3	0.02	-0.2	3.4	1.0	Other industry
1.3	-0.3	-5.6	-2.0	0.3	9.4	-0.7	0.3	-0.5	2.0	0.2	Manufacture of furniture
1.7	-0.2	-6.8	-2.7	0.3	12.6	-0.6	0.8	-0.2	2.5	-0.2	Manufacture of wooden and cane furniture
0.1	-0.4	-1.8	0.1	0.1	0.4	-1.1	-1.1	-1.5	0.3	1.5	Other industry
-0.5	-0.7	-1.9	1.3	-0.2	-0.8	0.7	2.1	-0.6	2.0	1.7	Manufacture of jewellery, bijouterie and related articles
0.4	-0.1	-1.1	-0.03	-0.04	0.7	0.7	1.6	0.6	0.3	0.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.2	-0.4	-0.9	-0.3	-0.5	1.5	2.4	2.0	0.7	-0.7	0.3	Manufacture of stationery
0.6	0.0	-1.2	0.1	0.1	0.5	0.1	1.4	0.6	0.6	0.4	Other industry
-1.8	-0.1	-1.4	-0.1	-1.0	-0.4	0.9	3.3	1.3	0.9	-3.2	Manufacture of sports goods
-1.6	-1.5	-0.7	0.02	0.3	1.8	0.4	-0.7	1.4	0.05	3.1	Manufacture of games and toys
-0.1	-0.2	-2.4	0.9	0.6	0.9	1.5	0.8	-1.1	2.6	-0.1	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.0	0.3	-4.8	-0.4	-0.2	0.1	-0.6	2.9	-2.5	2.4	-1.9	Repair and maintenance of transport equipment except motorcycles and bicycles
-0.2	-0.3	-1.9	1.2	0.8	1.1	1.9	0.3	-0.9	2.6	0.2	Other industry
0.1	0.1	-0.9	-0.2	0.2	0.8	0.4	0.6	0.3	0.6	0.1	Total Manufacturing

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	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
101	Pemprosesan dan pengawetan daging	343	355	92	82	81	88	88
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	444	457	109	105	114	116	117
10201 &	Pengetinan ikan, krustasea dan moluska							
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	361	369	88	86	92	95	95
	Industri lain	84	87	21	19	22	21	22
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	167	174	41	43	41	42	45
10303 &	Pengetinan nanas	18	15	4	4	5	5	5
10304	Pembuatan jem, marmalad dan sajian jeli	149	160	37	38	37	37	40
	Industri lain							
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,776	2,773	710	693	687	686	681
10404 &	Pembuatan minyak sayuran mentah dan bertapis	193	204	51	45	48	49	51
10406	Pembuatan sebatian lemak masakan	119	96	34	29	28	27	28
10405	Pembuatan minyak kelapa	2,464	2,473	625	619	611	609	603
	Industri lain							
105	Pembuatan produk tenusu	732	804	192	178	167	194	198
10502	Pembuatan susu pekat, tepung dan sejat	630	704	166	152	143	169	173
	Industri lain	101	99	26	26	25	25	25
106	Pembuatan produk bijian, kanji dan produk berkanji	347	366	89	81	87	90	93
10611	Pengilangan beras	173	176	45	43	42	42	44
10613	Pengilangan tepung	151	165	38	32	39	42	42
	Industri lain	23	25	6	6	6	6	6
107	Pembuatan produk makanan lain	3,705	3,799	942	940	928	894	932
10711	Pembuatan biskut dan cookies	302	320	73	75	77	77	76
10712	Pembuatan roti, kek dan produk bakeri lain	1,001	933	259	258	248	236	228
10713	Pembuatan produk snek	190	204	49	48	46	47	50
10721	Pembuatan gula	84	76	26	21	18	18	19
10731	Pembuatan produk koko	98	82	27	28	25	18	19
10732	Pembuatan coklat dan produk coklat							
&		352	347	95	91	85	81	86
10733	Pembuatan konfeksi gula	347	363	89	87	88	82	87
10793	Pembuatan sos dan bahan perasa	324	381	78	80	84	81	92
10799	Pembuatan produk makanan lain t.t.t.l.	1,007	1,094	246	252	257	253	274
	Industri lain							
108/ 10800	Pembuatan makanan haiwan tersedia	1,011	1,045	263	244	244	260	257
110	Pembuatan minuman ringan	537	508	157	121	123	135	131
11041	Pembuatan minuman ringan	354	342	100	80	82	92	86
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotalkan	128	128	38	29	30	31	33
	Industri lain	55	38	18	13	11	12	12
120/ 12000	Pembuatan produk tembakau	63	62	21	12	14	17	17
131	Pemintalan, penenunan dan penyiapan tekstil	335	328	90	79	83	84	82
13110 &	Penyediaan dan pemintalan gentian tekstil	222	222	58	51	57	57	56
13120	Penenunan tekstil							
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	105	98	29	27	24	25	24
	Industri lain	8	8	2	1	2	2	2
139	Pembuatan tekstil lain	326	329	82	78	83	82	81
13910	Pembuatan fabrik dikait dan dikrusye	116	111	31	27	30	29	26
	Industri lain	210	218	51	51	54	54	55
141	Pembuatan pakaian, kecuali pakaian berbulu	993	838	296	242	228	227	217
14102	Pembuatan pakaian	719	580	227	177	159	157	147
	Industri lain	274	258	70	65	69	71	70
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	30	25	9	7	7	7	7
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	121	121	34	26	29	32	31
152	Pembuatan kasut	191	186	56	43	44	47	48
15201 &	Pembuatan kasut kulit	136	133	40	30	31	34	34
15203	Pembuatan kasut getah	55	54	16	13	13	13	14
	Industri lain							
161/ 16100	Pengilangan dan pengetaman kayu	555	547	135	125	145	150	139

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
89	87	92	59	60	30	29	Processing and preserving of meat
115	113	112	78	75	40	38	Processing and preserving of fish, crustaceans and molluscs
							Canning of fish, crustaceans and molluscs
94	90	90	64	60	32	31	Processing, curing and preserving of fish, crustacean and molluscs
21	22	22	15	15	8	7	Other industry
45	43	42	30	31	15	15	Processing and preserving of fruits and vegetable
							Pineapple canning
5	3	2	3	2	2	2	Manufacture of jams, marmalades and table jellies
40	40	40	27	29	13	13	Other industry
691	685	716	452	481	226	226	Manufacture of vegetable and animal oils and fats
							Manufacture of crude and refined vegetable oil
51	51	51	34	35	17	17	Manufacture of compound cooking fats
26	21	21	18	16	9	9	Manufacture of coconut oil
613	613	644	399	430	200	199	Other industry
204	200	202	131	147	65	66	Manufacture of dairy products
178	176	177	115	130	57	58	Manufacture of condensed, powdered and evaporated milk
26	24	24	16	17	8	8	Other industry
91	91	92	62	62	31	31	Manufacture of grain mill products, starches and starch products
43	44	45	30	30	15	15	Rice milling
41	41	41	28	28	14	14	Flour milling
6	6	6	4	4	2	2	Other industry
939	944	985	618	666	309	308	Manufacture of other food products
75	81	88	51	59	26	25	Manufacture of biscuits and cookies
233	235	238	151	145	74	76	Manufacture of bread, cakes and other bakery products
52	51	52	33	36	17	16	Manufacture of snack products
18	19	20	13	14	7	6	Manufacture of sugar
21	20	22	12	16	6	6	Manufacture of cocoa products
							Manufacture of chocolate and chocolate products
87	85	88	57	63	29	28	Manufacture of sugar confectionery
85	91	100	58	60	29	29	Manufacture of sauces and condiments
95	93	100	61	75	30	31	Manufacture of other food products n.e.c.
271	270	278	182	196	92	90	Other industry
256	260	272	172	175	86	86	Manufacture of prepared animal feeds
121	120	136	89	89	44	44	Manufacture of beverages
81	81	94	59	61	30	29	Manufacture of soft drinks
32	30	32	22	23	11	11	Production of natural mineral waters and other bottled waters
9	8	9	8	6	4	4	Other industry
14	14	17	11	11	5	6	Manufacture of tobacco products
81	79	87	55	59	28	27	Spinning, weaving and finishing of textiles
							Preparation and spinning of textile fibres
55	53	57	38	39	19	19	Weaving of textiles
23	24	27	16	18	8	8	Dyeing, bleaching, printing and finishing of yarns and fabrics
2	2	2	1	1	1	1	Other industry
81	82	84	54	53	27	27	Manufacture of other textiles
27	28	30	17	17	9	9	Manufacture of knitted and crocheted fabrics
54	54	55	37	36	19	18	Other industry
200	198	223	146	152	76	70	Manufacture of wearing apparel, except fur apparel
136	141	155	100	102	52	47	Manufacture of clothings
64	57	67	47	50	24	23	Other industry
6	6	6	5	4	2	2	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
30	29	32	21	21	10	10	
45	43	50	33	34	17	16	Manufacture of footwear
							Manufacture of leather footwear
32	31	36	23	25	12	11	Manufacture of rubber footwear
13	13	14	9	10	5	5	Other industry
130	136	143	94	92	46	47	Sawmilling and planing of wood

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	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	29	30	30	29
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	39	38	39	38
10201	Pengetinan ikan, krustasea dan moluska				
&					
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	31	31	32	31
	Industri lain	7	7	7	7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	15	15	15	15
10303	Pengetinan nanas				
&		1	1	2	2
10304	Pembuatan jem, marmalad dan sajian jeli				
	Industri lain	13	14	13	13
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	230	233	230	227
10404	Pembuatan minyak sayuran mentah dan bertapis				
&		17	17	17	17
10406	Pembuatan sebatian lemak masakan				
10405	Pembuatan minyak kelapa	9	9	9	7
	Industri lain	203	206	204	203
105	Pembuatan produk tenusu	67	69	69	67
10502	Pembuatan susu pekat, tepung dan sejat	58	60	60	58
	Industri lain	9	9	9	8
106	Pembuatan produk bijian, kanji dan produk berkanji	31	30	30	30
10611	Pengilangan beras	15	14	14	14
10613	Pengilangan tepung	14	14	14	14
	Industri lain	2	2	2	2
107	Pembuatan produk makanan lain	314	316	315	309
10711	Pembuatan biskut dan cookies	26	25	25	25
10712	Pembuatan roti, kek dan produk bakeri lain	77	77	79	77
10713	Pembuatan produk snek	17	17	17	17
10721	Pembuatan gula	6	6	6	6
10731	Pembuatan produk koko	6	8	6	7
10732					
&	Pembuatan coklat dan produk coklatPembuatan konfeksi gula	30	29	29	29
10733					
10793	Pembuatan sos dan bahan perasa	29	29	29	27
10799	Pembuatan produk makanan lain t.t.t.l.	31	32	32	31
	Industri lain	92	91	90	90
108/ 10800	Pembuatan makanan haiwan tersedia	86	85	86	85
110	Pembuatan minuman ringan	42	43	40	38
11041	Pembuatan minuman ringan	27	28	27	26
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	11	11	10	10
	Industri lain	4	4	3	2
120/ 12000	Pembuatan produk tembakau	6	5	5	5
131	Pemintalan, penenunan dan penyiapan tekstil	27	27	28	26
13110					
&	Penyediaan dan pemintalan gentian tekstilPenenunan tekstil	18	18	19	18
13120					
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	8	8	8	8
	Industri lain	1	1	1	1
139	Pembuatan tekstil lain	27	27	28	26
13910	Pembuatan fabrik dikait dan dikrusye	9	9	9	9
	Industri lain	19	18	18	17
141	Pembuatan pakaian, kecuali pakaian berbulu	70	70	71	59
14102	Pembuatan pakaian	47	47	49	40
	Industri lain	23	23	22	19
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2	2	2	2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	10	10	10	9
152	Pembuatan kasut	16	16	15	14
15201	Pembuatan kasut kulit				
&		11	11	11	10
15203	Pembuatan kasut getah				
	Industri lain	5	5	5	4
161/ 16100	Pengilangan dan pengetaman kayu	45	45	43	42

2021				2022				Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
29	29	29	29	31	32	31	29	Processing and preserving of meat
38	37	37	37	37	38	38	36	Processing and preserving of fish, crustaceans and molluscs
31	29	30	30	30	30	30	29	Canning of fish, crustaceans and molluscs
8	8	7	7	7	7	8	7	Processing, curing and preserving of fish, crustacean and molluscs
								Other industry
15	14	14	14	14	14	15	15	Processing and preserving of fruits and vegetable
2	1	1	1	1	1	1	1	Pineapple canning
13	13	13	13	13	13	15	14	Manufacture of jams, marmalades and table jellies
								Other industry
237	213	235	234	230	252	241	240	Manufacture of vegetable and animal oils and fats
17	17	17	17	17	17	17	17	Manufacture of crude and refined vegetable oil
7	7	7	7	7	7	8	8	Manufacture of compound cooking fats
214	189	210	210	206	228	215	215	Manufacture of coconut oil
								Other industry
66	67	66	66	65	71	73	74	Manufacture of dairy products
58	59	58	58	57	63	64	66	Manufacture of condensed, powdered and evaporated milk
8	8	8	8	8	8	9	8	Other industry
31	30	31	31	30	31	32	31	Manufacture of grain mill products, starches and starch products
14	15	15	15	15	15	16	15	Rice milling
14	13	13	13	13	14	14	14	Flour milling
2	2	2	2	2	2	2	2	Other industry
308	310	326	326	330	330	335	330	Manufacture of other food products
26	27	28	29	30	29	30	29	Manufacture of biscuits and cookies
77	78	80	81	82	76	73	72	Manufacture of bread, cakes and other bakery products
17	17	17	17	17	18	19	17	Manufacture of snack products
6	6	6	6	7	7	7	7	Manufacture of sugar
6	7	7	7	7	7	8	8	Manufacture of cocoa products
								Manufacture of chocolate and chocolate products
28	28	29	29	30	29	31	32	Manufacture of sugar confectionery
27	29	35	33	34	33	30	30	Manufacture of sauces and condiments
32	30	31	32	33	35	37	38	Manufacture of other food products n.e.c.
90	89	92	92	92	94	99	97	Other industry
90	85	85	85	85	101	87	87	Manufacture of prepared animal feeds
38	39	43	43	45	48	44	45	Manufacture of beverages
26	26	29	29	31	34	30	31	Manufacture of soft drinks
10	10	11	10	11	11	11	11	Production of natural mineral waters and other bottled waters
2	3	3	3	3	3	3	3	Other industry
5	4	5	5	5	7	5	6	Manufacture of tobacco products
26	26	26	27	29	30	29	29	Spinning, weaving and finishing of textiles
18	17	18	18	19	20	20	20	Preparation and spinning of textile fibres
								Weaving of textiles
8	8	8	8	9	10	9	9	Dyeing, bleaching, printing and finishing of yarns and fabrics
1	1	1	1	1	1	1	1	Other industry
27	28	28	28	28	28	27	26	Manufacture of other textiles
9	10	9	10	10	10	9	9	Manufacture of knitted and crocheted fabrics
18	18	18	18	18	18	18	17	Other industry
66	66	66	66	74	82	79	73	Manufacture of wearing apparel, except fur apparel
47	47	47	47	51	58	53	49	Manufacture of clothings
19	19	19	19	23	25	25	25	Other industry
2	2	2	2	2	2	2	2	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
9	10	10	11	11	11	11	10	
13	15	15	16	16	17	17	17	Manufacture of footwear
								Manufacture of leather footwear
9	10	11	12	12	12	12	12	Manufacture of rubber footwear
4	4	4	4	5	5	5	5	Other industry
44	44	47	47	47	48	46	47	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,869	1,913	508	446	464	451	466
16211	Pembuatan kepingan venier dan papan lapis	964	934	270	233	237	224	221
16212	Pembuatan papan partikel dan papan gentian	238	251	67	57	57	57	59
16221	Pertukangan kayu untuk jurubina	351	407	83	82	94	92	103
	Industri lain	316	321	88	73	76	78	83
170	Pembuatan kertas dan produk kertas	2,003	2,018	530	487	491	496	505
17010	Pembuatan pulpa, kertas dan kertas tebal	276	271	75	68	68	65	64
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	798	805	211	192	197	198	200
17091	Pembuatan sampul surat dan kad surat	58	59	16	15	14	14	14
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	338	345	86	82	84	85	86
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	353	308	94	88	85	86	83
	Industri lain	180	230	47	42	44	48	57
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,170	2,153	583	537	521	529	559
18110	Percetakan	1,816	1,807	486	450	436	443	466
18120	Aktiviti perkhidmatan berkaitan percetakan							
&		354	346	97	86	85	86	94
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,282	2,326	637	491	537	617	617
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,131	3,062	971	712	722	725	763
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	248	226	105	47	49	48	55
20112	Pembuatan kimia organik asas							
&		1,514	1,560	413	380	359	363	383
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja							
&		414	343	166	76	89	83	91
20129	Pembuatan produk campuran nitrogen							
20131	Pembuatan plastik dalam bentuk primer	860	831	263	187	203	207	208
	Industri lain	95	102	25	23	22	25	26
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,538	2,616	627	602	639	669	699
20210	Pembuatan racun perosak dan produk agrokimia lain	182	240	42	45	48	47	63
20221	Pembuatan cat, varnis dan penyadur dan mastik	330	340	85	80	82	84	91
20222	Pembuatan dakwat cetak	298	279	65	78	76	79	79
20231	Pembuatan sabun dan bahan pencuci, penyediaan							
&	membersih dan mengilat	932	902	251	201	231	249	255
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan other							
&	sensitized unexposed materials							
20292	Pembuatan dakwat menulis dan melukis	760	821	175	189	194	201	203
&								
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	35	34	9	9	8	8	9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	631	717	144	157	161	169	165
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	512	574	118	128	130	137	133
	Industri lain	118	143	27	29	31	32	32
221	Pembuatan produk getah	3,761	4,095	857	951	973	980	919
22111	Pembuatan tayar getah untuk kenderaan	361	353	93	89	92	87	80
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	77	88	18	19	20	20	21
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan							
&		592	682	132	143	158	159	166
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	1,936	2,238	415	508	502	511	444
22199	Pembuatan produk getah lain yang t.t.t.l.	794	732	199	191	200	204	208
222	Pembuatan produk plastik	7,067	7,528	1,599	1,767	1,855	1,847	1,853
22201	Pembuatan produk plastik separa siap							
&		2,603	2,636	593	661	672	676	644
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,409	1,591	315	356	375	363	373
22204	Pembuatan barangan plastik jurubina	94	96	23	23	24	24	25
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	504	570	105	125	139	134	141
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2,458	2,635	562	602	645	649	669
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	665	747	179	167	159	160	174

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
456	480	511	311	344	158	153	Manufacture of products of wood, cork, straw and plaiting materials
214	238	260	148	166	74	73	Manufacture of veneer sheets and plywood
61	62	70	39	50	20	19	Manufacture of particle board and fibreboard
102	101	100	69	72	34	34	Manufacture of builders' carpentry
79	79	81	56	56	29	26	Other industry
502	495	517	334	350	167	167	Manufacture of paper and paper products
65	67	75	42	50	21	21	Manufacture of pulp, paper and paperboard
205	196	203	131	135	66	65	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
15	15	15	10	9	5	5	Manufacture of envelopes and letter-card
88	85	87	58	64	29	29	Manufacture of household and personal hygiene paper
72	75	78	55	49	28	27	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
58	56	59	38	44	18	19	Other industry
549	507	538	373	379	191	182	Printing, service activities related to printing and reproduction of recorded media
463	426	452	311	316	159	151	Printing
86	81	86	62	63	31	31	Service activities related to printing
							Reproduction of recorded media
522	565	621	392	397	199	193	Manufacture of refined petroleum products
746	787	765	501	522	249	252	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
55	57	59	36	48	18	18	Manufacture of liquefied or compressed inorganic industrial or medical gases
374	410	392	254	273	126	128	Manufacture of basic organic chemicals
86	87	78	58	52	29	30	Manufacture of inorganic compounds
204	208	211	135	130	67	68	Manufacture of fertilizers
26	25	25	17	19	8	9	Manufacture of associated nitrogen products
642	611	663	461	455	231	231	Manufacture of other chemical products and man-made fibres
61	59	57	41	42	22	20	Manufacture of pesticides and other agrochemical products
81	82	86	62	67	34	28	Manufacture of paints, varnishes and similar coatings ink and mastics
69	64	66	51	42	26	25	Manufacture of printing ink
221	208	218	167	151	81	87	Manufacture of soap and detergents, cleaning and polishing preparations
							Manufacture of perfumes and toilet preparations
201	189	228	134	147	65	69	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
9	8	8	6	6	3	3	Manufacture of writing and drawing ink
180	183	189	110	121	55	55	Manufacture of pharmaceuticals, medicinal chemical and botanical products
145	144	152	89	96	44	44	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
35	39	36	21	25	11	11	Other industry
1,060	1,112	1,003	616	628	318	297	Manufacture of rubber products
94	93	87	51	52	27	24	Manufacture of rubber tyres for vehicles
23	22	23	13	14	7	6	Manufacture of interchangeable tyre treads and retreading rubber tyres
174	177	165	109	112	54	55	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
588	654	551	302	328	158	144	Rubber remilling and latex processing
181	167	177	140	121	72	68	Manufacture of rubber gloves
1,970	1,846	1,860	1,212	1,206	605	607	Manufacture of plastics products
693	646	652	424	408	207	217	Manufacture of semi-manufactures of plastic products
425	395	398	235	252	122	114	Manufacture of finished plastic products
26	22	23	17	16	8	8	Manufacture of plastic articles for the packing of goods
143	141	144	92	97	46	46	Manufacture of builders' plastics ware
683	641	642	444	433	222	223	Manufacture of plastic tableware, kitchenware and toilet articles
							Manufacture of diverse plastic products n.e.c.
185	182	206	115	141	58	58	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh				
		Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	155	153	154	149
16211	Pembuatan kepingan venier dan papan lapis	74	71	72	71
16212	Pembuatan papan partikel dan papan gentian	20	19	21	20
16221	Pertukangan kayu untuk jurubina	34	36	34	32
	Industri lain	27	27	26	25
170	Pembuatan kertas dan produk kertas	171	170	166	166
17010	Pembuatan pulpa, kertas dan kertas tebal	22	21	22	22
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	69	68	68	69
17091	Pembuatan sampul surat dan kad surat	5	5	5	5
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	29	32	27	29
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	28	25	24	23
	Industri lain	19	19	20	19
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	186	183	187	179
18110	Percetakan	155	154	158	151
18120	Aktiviti perkhidmatan berkaitan percetakan				
&		31	30	29	27
18200	Penerbitan semula media rakaman				
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	225	169	168	185
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	262	247	236	264
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	18	18	18	19
20112	Pembuatan kimia organik asas				
&		129	124	114	137
20113	Pembuatan sebatian bukan organik				
20121	Pembuatan baja	33	28	28	30
&	Pembuatan produk campuran nitrogen				
20129		73	68	67	69
20131	Pembuatan plastik dalam bentuk primer	9	9	9	9
	Industri lain				
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	238	218	214	210
20210	Pembuatan racun perosak dan produk agrokimia lain	22	20	20	20
20221	Pembuatan cat, varnis dan penyadur dan mastik	29	28	27	26
20222	Pembuatan dakwat cetak	28	25	22	22
20231	Pembuatan sabun dan bahan pencuci, penyediaan				
&	membersih dan mengilat	88	74	75	73
20232	Pembuatan pewangi dan penyediaan dandanan diri				
20291	Pembuatan plat fotografi, filem, sensitized paper dan other				
&	sensitized unexposed materials				
20292	Pembuatan dakwat menulis dan melukis	69	68	66	66
&					
20299	Pembuatan produk kimia lain t.t.t.l.				
	Industri lain	3	3	3	3
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	55	62	59	59
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	44	50	47	48
	Industri lain	11	12	12	11
221	Pembuatan produk getah	303	312	345	403
22111	Pembuatan tayar getah untuk kenderaan	29	29	33	32
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	8	8	8	7
22191	Pembuatan produk lain daripada getah asli atau sintetik,				
&	tidak divulkan, divulkan atau dikeraskan	57	58	59	58
22193	Pengilangan semula getah dan prosesan susu getah				
22192	Pembuatan sarung tangan getah	142	149	189	250
22199	Pembuatan produk getah lain yang t.t.t.l.	68	68	56	56
222	Pembuatan produk plastik	641	662	677	632
22201	Pembuatan produk plastik separa siap				
&		221	232	243	218
22202	Pembuatan produk plastik siap				
22203	Pembuatan artikel plastik untuk pembungkusan barangan	138	143	145	138
22204	Pembuatan barangan plastik jurubina	9	9	9	8
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	49	48	49	46
22209	Pembuatan pelbagai produk plastik t.t.t.l.	224	230	231	222
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	59	60	63	62

2021				2022				Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
155	158	168	169	170	173	174	170	Manufacture of products of wood, cork, straw and plaiting materials
75	77	86	86	86	89	84	82	Manufacture of veneer sheets and plywood
20	20	22	22	24	24	25	25	Manufacture of particle board and fibreboard
34	34	34	34	33	34	36	36	Manufacture of builders' carpentry
26	27	26	27	28	27	29	27	Other industry
162	163	170	171	173	173	173	177	Manufacture of paper and paper products
22	22	23	25	26	25	25	25	Manufacture of pulp, paper and paperboard
63	66	68	68	68	68	69	65	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
5	5	5	5	5	5	5	4	Manufacture of envelopes and letter-card
28	28	29	29	29	29	28	36	Manufacture of household and personal hygiene paper
25	24	26	26	26	26	24	25	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
18	19	19	19	19	21	22	21	Other industry
172	172	162	167	175	196	194	185	Printing, service activities related to printing and reproduction of recorded media
145	145	136	140	147	165	162	154	Printing
27	27	27	27	28	31	32	31	Service activities related to printing
								Reproduction of recorded media
181	180	205	204	194	223	199	198	Manufacture of refined petroleum products
263	262	262	253	247	265	259	263	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
19	19	19	19	20	20	24	24	Manufacture of liquefied or compressed inorganic industrial or medical gases
137	134	139	131	126	136	136	137	Manufacture of basic organic chemicals
30	30	27	26	25	27	25	27	Manufacture of inorganic compounds
70	70	69	69	69	73	65	65	Manufacture of fertilizers
8	8	9	8	8	9	9	10	Manufacture of associated nitrogen products
								Manufacture of plastics in primary forms
								Other industry
204	200	207	210	214	240	229	226	Manufacture of other chemical products and man-made fibres
20	19	20	19	20	18	22	20	Manufacture of pesticides and other agrochemical products
28	26	28	28	28	31	35	31	Manufacture of paints, varnishes and similar coatings ink and mastics
22	21	21	21	22	23	21	21	Manufacture of printing ink
69	67	72	68	68	81	72	79	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
63	63	64	71	73	84	75	72	Manufacture of writing and drawing ink
3	3	3	3	3	3	3	3	Manufacture of other chemical products n.e.c.
								Other industry
60	62	61	62	59	68	61	60	Manufacture of pharmaceuticals, medicinal chemical and botanical products
47	49	48	50	47	56	49	47	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
13	13	13	12	12	12	12	13	Other industry
380	377	356	343	323	337	320	308	Manufacture of rubber products
32	31	30	29	28	29	28	24	Manufacture of rubber tyres for vehicles
7	7	8	8	8	7	8	7	Manufacture of interchangeable tyre treads and retreading rubber tyres
59	59	60	55	53	58	56	56	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
227	225	203	195	177	180	168	160	Rubber remilling and latex processing
56	55	56	57	57	63	61	60	Manufacture of rubber gloves
								Manufacture of other rubber products n.e.c.
605	620	620	622	617	622	607	600	Manufacture of plastics products
207	221	218	219	220	213	203	205	Manufacture of semi-manufactures of plastic products
131	133	131	132	131	135	131	121	Manufacture of finished plastic products
7	7	7	7	8	8	8	8	Manufacture of plastic articles for the packing of goods
45	48	49	49	46	49	48	49	Manufacture of builders' plastics ware
215	211	215	214	211	216	216	217	Manufacture of plastic tableware, kitchenware and toilet articles
								Manufacture of diverse plastic products n.e.c.
60	56	65	67	66	73	72	68	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,604	3,592	938	868	885	913	904
23911	Pembuatan mortar refraktori dan konkrit							
&		411	365	113	98	100	100	94
23921	Pembuatan seramik bukan refraktori							
23930	Pembuatan produk porselin dan seramik lain	160	159	39	37	41	43	42
23941	Pembuatan simen hidrolik	303	287	81	80	69	72	72
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	665	686	176	158	166	165	170
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	1,226	1,253	302	295	306	323	318
&								
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.							
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	508	484	142	126	117	123	121
	Industri lain	332	359	85	75	86	87	87
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,221	2,210	600	534	535	553	581
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,362	1,423	377	322	322	341	356
243	Pengacuan logam	406	415	108	91	103	104	107
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,659	1,632	419	390	423	427	426
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	984	880	249	225	255	255	240
&								
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	474	557	114	114	121	126	132
	Industri lain	201	195	56	52	48	46	54
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,661	3,841	915	874	916	957	977
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	715	768	170	173	184	188	194
25920	Rawatan dan penyalutan logam; menggunakan mesin	444	502	104	102	114	125	131
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	409	419	100	99	100	110	106
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam							
&								
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	811	893	214	191	199	206	217
25994	Pembuatan barangan rumah daripada logam	76	70	21	18	18	18	19
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	904	927	232	218	224	230	240
	Industri lain	301	261	73	72	77	80	70
261	Pembuatan komponen dan papan elektronik	11,194	11,848	3,050	2,636	2,670	2,839	3,043
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya							
&								
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	7,272	7,743	2,113	1,696	1,662	1,800	1,939
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	3,400	3,638	816	809	873	902	976
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	522	466	121	131	135	136	128
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	2,586	2,839	685	619	610	672	720
263/ 26300	Pembuatan peralatan komunikasi	706	665	216	174	161	155	152
264/ 26400	Pembuatan peralatan elektronik pengguna	1,191	1,140	295	288	299	309	281
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,602	1,693	424	391	377	410	409
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan							
&								
26512	Pembuatan kelengkapan kawalan proses perindustrian	1,437	1,535	380	350	336	370	371
26520	Pembuatan jam tangan dan jam dan bahagiannya	165	157	43	41	40	41	38
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	611	705	162	157	157	135	162

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
903	873	911	599	603	303	295	Manufacture of non-metallic mineral products n.e.c.
93	92	85	63	48	33	30	Manufacture of refractory mortars and concretes
39	38	40	28	29	15	13	Manufacture of non-refractory ceramic
76	68	71	47	47	24	23	Manufacture of other porcelain and ceramic products
171	168	176	111	118	57	54	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
313	306	316	211	210	104	107	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
115	115	132	81	88	41	40	Manufacture of other articles of concrete, cement and plaster n.e.c.
95	86	91	57	62	29	28	Manufacture of other non-metallic mineral products n.e.c.
							Other industry
531	516	582	387	411	196	190	Manufacture of basic iron and steel
354	343	371	235	251	118	116	Manufacture of basic precious and other non-ferrous metals
101	100	106	70	72	35	35	Casting of metals
396	395	415	284	279	143	141	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
216	207	217	162	145	83	78	Manufacture of metal doors, windows and their frames, shutters and gates
130	143	152	87	102	42	45	Manufacture of other structural metal products
50	45	47	35	32	18	18	Manufacture of tanks, reservoirs and containers of metal
							Other industry
923	925	1,016	660	684	334	326	Manufacture of other fabricated metal products; metal working service activities
189	187	197	132	130	68	64	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
127	116	128	88	89	44	44	Treatment and coating of metals; machining
95	100	119	73	74	37	37	Manufacture of tins and cans for food products, collapsible tubes and boxes
198	218	260	145	177	72	73	Manufacture of metal cable, plaited bands and similar articles
19	16	16	13	10	6	6	Manufacture of bolts, screws, nuts and similar threaded products
231	224	232	162	165	81	81	Manufacture of metal household articles
64	63	65	48	39	26	22	Manufacture of any other fabricated metal products n.e.c.
							Other industry
2,944	2,803	3,058	2,062	2,157	997	1,065	Manufacture of electronic components and boards
1,944	1,866	1,994	1,300	1,366	631	669	Manufacture of diodes, transistors and similar semiconductor devices
							Manufacture of electronic integrated circuits micro assemblies
							Manufacture of electrical capacitors and resistors
883	829	951	675	710	323	353	Manufacture of printed circuit boards
117	108	113	87	81	44	43	Manufacture of display components
							Manufacture of other components for electronic applications
671	695	753	482	490	245	237	Manufacture of computers and peripheral equipment
171	159	182	100	129	52	47	Manufacture of communication equipment
272	275	312	191	224	106	85	Manufacture of consumer electronics
401	413	470	273	333	140	132	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
362	375	427	248	303	128	120	Manufacture of measuring, testing, navigating and control equipment
							Manufacture of industrial process control equipment
39	38	43	25	30	12	13	Manufacture of watches and clocks and parts
187	185	170	101	116	49	52	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh				
		Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	306	305	308	290
23911	Pembuatan mortar refraktori dan konkrit				
&		32	32	32	30
23921	Pembuatan seramik bukan refraktori				
23930	Pembuatan produk porselin dan seramik lain	14	12	13	13
23941	Pembuatan simen hidrolik	25	26	26	24
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	59	56	58	57
23952	Pembuatan konkrit pratuangan, simen atau artikel batu				
&	buatan yang digunakan dalam pembinaan;				
23953	Pembuatan komponen struktur pasang siap untuk	107	106	109	98
&	bangunan 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.	40	37	40	39
	Industri lain	30	36	31	29
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	194	183	176	172
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	121	116	121	117
243	Pengacuan logam	37	34	34	33
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	142	136	136	124
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap				
&	dan pintu pagar daripada logam	78	76	75	65
25119	Pembuatan produk struktur logam lain				
25120	Pembuatan tangki, takungan dan kontena daripada logam	45	43	44	44
	Industri lain	18	17	17	16
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	316	308	311	304
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	63	63	64	63
25920	Rawatan dan penyalutan logam; menggunakan mesin	43	41	43	42
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	32	32	31	32
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam				
&		72	65	67	66
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				
25994	Pembuatan barangan rumah daripada logam	6	6	6	6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	78	78	78	75
	Industri lain	22	22	21	21
261	Pembuatan komponen dan papan elektronik	981	976	976	992
26101	Pembuatan diod, transistor dan alatan semikonduktor				
&	yang seumpamanya	639	633	634	678
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro				
26103	Pembuatan kapasitor dan perintang elektrik				
&					
26104	Pembuatan papan litar bercetak	300	303	302	278
&					
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	41	40	40	36
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	238	224	223	224
263/ 26300	Pembuatan peralatan komunikasi	52	63	53	56
264/ 26400	Pembuatan peralatan elektronik pengguna	90	91	92	89
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	136	136	136	129
26511	Pembuatan kelengkapan mengukur, menguji, memandu				
&	arah dan kawalan	124	123	123	116
26512	Pembuatan kelengkapan kawalan proses perindustrian				
26520	Pembuatan jam tangan dan jam dan bahagiannya	13	13	13	13
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	61	60	61	66

2021				2022				Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
289	290	295	296	303	312	305	298	Manufacture of non-metallic mineral products n.e.c.
30	31	31	31	26	28	24	24	Manufacture of refractory mortars and concretes
12	13	13	13	13	14	14	15	Manufacture of other porcelain and ceramic products
23	22	23	23	23	24	25	22	Manufacture of hydraulic cement
57	56	56	56	58	62	60	58	Manufacture of ready-mix and dry-mix concrete and mortars
								Manufacture of precast concrete, cement or artificial stone articles for use in construction
102	101	102	102	112	102	106	105	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.
37	38	40	41	42	50	45	44	Manufacture of other non-metallic mineral products n.e.c.
28	29	29	30	30	32	31	31	Other industry
165	168	184	183	187	212	208	203	Manufacture of basic iron and steel
113	112	118	121	119	131	126	124	Manufacture of basic precious and other non-ferrous metals
32	33	35	35	35	36	36	36	Casting of metals
132	128	136	137	138	140	142	136	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
69	68	71	71	72	74	75	70	Manufacture of metal doors, windows and their frames, shutters and gates
								Manufacture of other structural metal products
48	46	49	51	51	51	51	51	Manufacture of tanks, reservoirs and containers of metal
15	14	15	16	15	16	16	16	Other industry
298	301	327	329	332	355	347	337	Manufacture of other fabricated metal products; metal working service activities
62	62	63	63	63	71	65	65	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
39	38	39	40	41	47	44	45	Treatment and coating of metals; machining
31	32	36	37	40	41	38	37	Manufacture of tins and cans for food products, collapsible tubes and boxes
								Manufacture of metal cable, plaited bands and similar articles
66	66	87	86	86	88	90	87	Manufacture of bolts, screws, nuts and similar threaded products
6	5	5	5	5	5	5	5	Manufacture of metal household articles
73	75	76	76	75	81	84	81	Manufacture of any other fabricated metal products n.e.c.
22	21	21	21	21	22	22	17	Other industry
930	931	943	961	974	1,124	1,058	1,099	Manufacture of electronic components and boards
								Manufacture of diodes, transistors and similar semiconductor devices
613	628	625	626	637	731	677	689	Manufacture of electronic integrated circuits micro assemblies
								Manufacture of electrical capacitors and resistors
281	267	281	297	300	354	340	370	Manufacture of printed circuit boards
36	35	37	37	37	38	41	40	Manufacture of display components
								Manufacture of other components for electronic applications
215	224	255	256	228	270	250	241	Manufacture of computers and peripheral equipment
51	54	55	55	65	63	65	64	Manufacture of communication equipment
84	92	99	104	102	106	115	109	Manufacture of consumer electronics
132	139	142	142	152	175	165	168	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
								Manufacture of measuring, testing, navigating and control equipment
119	127	129	130	138	159	149	154	Manufacture of industrial process control equipment
13	13	13	13	14	16	16	14	Manufacture of watches and clocks and parts
63	62	60	60	60	50	58	58	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2020				
				Q1	Q2	Q3	Q4	Q1
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	393	395	101	97	96	99	104
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,314	1,298	339	310	324	340	338
	27101 Pembuatan motor elektrik, penjana dan transformer	437	450	120	102	108	107	100
	27102 Pembuatan perkakasan pengagihan dan pengawalan	877	847	219	208	216	233	238
272/ 27200	Pembuatan bateri dan akumulator	423	438	101	104	109	109	97
273	Pembuatan pendawaian dan peranti pendawaian	883	1,003	227	199	220	236	244
	27310 Pembuatan kabel gentian optikal	68	67	17	17	17	17	12
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	780	898	201	174	194	211	223
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	35	38	9	8	9	9	9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	153	221	38	39	38	38	46
275/ 27500	Pembuatan perkakasan domestik	694	574	170	162	180	182	181
279/ 27900	Pembuatan kelengkapan elektrik lain	283	299	69	69	71	74	70
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,167	4,292	1,063	982	1,029	1,092	1,110
	28120 Pembuatan alat-alat kuasa bendalir &							
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	341	340	81	81	82	97	87
	28180 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik &	796	918	186	176	209	225	235
	28220 Pembuatan jentera pembentukan logam dan alatan mesin							
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	703	689	172	178	177	175	174
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	548 1,779	554 1,790	166 458	117 430	128 434	138 458	145 468
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,031	1,057	289	235	254	253	257
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	260	283	73	62	61	63	66
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,127	2,071	576	500	500	551	542
301 (30110 & 30120)	Pembinaan kapal dan bot	299	285	80	71	75	74	80
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	802	810	237	185	186	193	208
	30910 Pembuatan motosikal	436	482	125	102	102	106	120
	30920 Pembuatan basikal dan invalid carriages Industri lain	138 228	132 195	35 77	31 51	35 49	37 51	37 51
310	Pembuatan perabot	2,368	2,425	597	553	607	612	617
	31001 Pembuatan perabot kayu dan rotan Industri lain	1,784 584	1,852 573	440 157	418 135	458 149	468 144	466 151
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	242	250	61	56	61	65	66
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	668	721	166	163	165	174	183
	32901 Pembuatan alat tulis Industri lain	151 517	151 570	42 124	38 125	35 130	36 138	38 146
323/ 32300	Pembuatan barangan sukan	66	71	17	15	17	17	18
324/ 32400	Pembuatan permainan dan mainan	184	184	47	46	47	44	34
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,240	1,260	335	296	293	316	322
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	285 954	268 992	77 258	73 223	66 227	69 246	71 251
Jumlah Pembuatan		87,194	89,830	22,728	20,906	21,420	22,139	22,584

2021		2021		2022	2021		Group Description/Period
Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.	
96	93	102	69	71	34	34	Manufacture of optical instruments, photographic equipment, magnetic and optical media
294	321	345	232	225	118	114	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
109	120	122	68	77	36	33	Manufacture of electric motors, generators and transformers
185	201	223	164	148	82	82	Manufacture of electricity distribution and control apparatus
105	120	116	67	79	37	30	Manufacture of batteries and accumulators
239	249	272	168	184	84	84	Manufacture of wiring and wiring devices
13	17	25	8	12	4	4	Manufacture of fibre optic cables
216	222	237	154	164	77	77	Manufacture of other electronic and electric wires and cables
9	10	10	6	7	3	3	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
52	61	61	31	44	16	15	Manufacture of electric lighting equipment
149	128	116	121	83	60	60	Manufacture of domestic appliances
72	73	84	48	59	24	24	Manufacture of other electrical equipment
1,039	1,032	1,112	757	769	379	379	Manufacture of general-purpose and special-purpose machinery
81	81	90	58	56	29	29	Manufacture of fluid power equipment
214	220	249	164	158	83	81	Manufacture of other pumps, compressors, taps and valves
167	175	173	117	117	58	58	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
137	129	144	99	106	50	50	Manufacture of metal-forming machinery and machine tools
440	427	456	319	332	158	161	Manufacture of air-conditioning machines, including for motor vehicles
261	252	287	176	195	87	89	Manufacture of other special-purpose machinery n.e.c.
71	71	75	42	49	21	21	Other industry
526	481	523	364	342	180	184	Manufacture of motor vehicles
72	66	67	50	46	25	25	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
205	194	204	137	141	68	69	Manufacture of parts and accessories for motor vehicles
122	116	125	78	86	38	39	Building of ships and boats
34	31	30	25	20	13	12	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
49	46	49	34	34	17	17	Manufacture of motorcycles
578	586	643	416	441	208	207	Manufacture of bicycles and invalid carriages
436	450	501	315	346	158	157	Other industry
142	136	143	101	95	51	50	Manufacture of furniture
60	57	67	45	46	23	22	Manufacture of wooden and cane furniture
177	177	184	123	124	61	62	Other industry
37	37	39	25	26	13	13	Manufacture of jewellery, bijouterie and related articles
140	140	145	97	98	48	49	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
17	17	18	12	12	6	6	Manufacture of stationery
36	52	62	23	36	11	11	Other industry
309	298	330	214	221	107	107	Manufacture of sports goods
65	64	67	47	45	24	24	Manufacture of games and toys
244	234	264	166	176	83	83	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
22,162	21,904	23,180	15,070	15,671	7,558	7,512	Repair and maintenance of transport equipment except motorcycles and bicycles
							Other industry
Total Manufacturing							

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	35	32	32	32
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	106	89	100	104
	27101 Pembuatan motor elektrik, penjana dan transformer	32	34	36	39
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	74	56	64	65
272/ 27200	Pembuatan bateri dan akumulator	30	30	36	38
273	Pembuatan pendawaian dan peranti pendawaian	76	76	80	82
	27310 Pembuatan kabel gentian optikal	4	4	5	5
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	69	70	73	74
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3	3	3	4
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	15	16	17	20
275/ 27500	Pembuatan perkakasan domestik	60	44	54	51
279/ 27900	Pembuatan kelengkapan elektrik lain	22	24	24	23
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	352	349	349	340
	28120 Pembuatan alat-alat kuasa bendalir &				
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	29	28	27	26
	28180 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik &	71	72	71	71
	28220 Pembuatan jentera pembentukan logam dan alatan mesin				
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	58	53	57	57
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	45 149	49 148	45 149	43 142
291 (29101 & 29102)	Pembuatan kenderaan bermotor	82	88	88	85
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	24	24	24	23
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	178	186	172	167
301 (30110 & 30120)	Pembinaan kapal dan bot	30	25	24	23
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	71	71	70	64
	30910 Pembuatan motosikal	42	42	41	38
	30920 Pembuatan basikal dan invalid carriages Industri lain	12 17	12 17	12 17	10 15
310	Pembuatan perabot	201	194	197	187
	31001 Pembuatan perabot kayu dan rotan Industri lain	151 50	146 49	148 49	143 45
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	21	21	20	19
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	61	59	59	59
	32901 Pembuatan alat tulis Industri lain	13 48	13 47	13 46	12 47
323/ 32300	Pembuatan barangan sukan	6	6	6	6
324/ 32400	Pembuatan permainan dan mainan	11	11	11	14
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	108	109	103	97
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	24 84	23 86	22 81	21 76
Jumlah Pembuatan		7,514	7,386	7,416	7,360

2021		2022						Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
30	31	32	32	33	37	35	35	Manufacture of optical instruments, photographic equipment, magnetic and optical media
104	107	110	111	113	122	115	110	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
39	40	40	40	40	42	40	37	Manufacture of electric motors, generators and transformers
65	67	70	70	73	80	75	74	Manufacture of electricity distribution and control apparatus
38	42	40	40	38	38	39	40	Manufacture of batteries and accumulators
81	82	86	88	85	99	93	91	Manufacture of wiring and wiring devices
5	5	8	8	8	9	6	6	Manufacture of fibre optic cables
73	74	75	77	74	86	83	81	Manufacture of other electronic and electric wires and cables
3	3	3	3	3	3	3	4	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
20	20	20	20	20	21	23	21	Manufacture of electric lighting equipment
47	43	37	38	38	40	42	41	Manufacture of domestic appliances
23	24	26	26	26	32	30	29	Manufacture of other electrical equipment
336	345	350	355	361	395	386	383	Manufacture of general-purpose and special-purpose machinery
								Manufacture of fluid power equipment
26	27	28	27	28	36	29	27	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
71	71	78	78	83	89	77	81	Manufacture of metal-forming machinery and machine tools
55	62	58	58	58	57	57	60	Manufacture of air-conditioning machines, including for motor vehicles
43	43	43	44	44	55	53	53	Manufacture of other special-purpose machinery n.e.c.
141	142	144	148	148	159	171	161	Other industry
82	83	87	90	93	104	96	98	Manufacture of motor vehicles
23	23	25	25	25	25	24	25	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
155	158	168	169	170	184	169	173	Manufacture of parts and accessories for motor vehicles
22	22	22	22	22	23	23	23	Building of ships and boats
64	63	67	68	69	67	69	72	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
39	37	40	41	43	41	43	44	Manufacture of motorcycles
9	11	11	11	10	9	10	10	Manufacture of bicycles and invalid carriages
16	15	16	16	16	16	17	18	Other industry
185	187	214	213	213	218	222	218	Manufacture of furniture
141	142	166	165	165	170	175	171	Manufacture of wooden and cane furniture
44	45	48	47	48	47	48	47	Other industry
19	18	20	20	21	26	24	23	Manufacture of jewellery, bijouterie and related articles
59	59	59	60	60	63	62	62	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
12	12	13	13	13	13	13	13	Manufacture of stationery
47	46	47	47	48	50	49	49	Other industry
5	6	6	6	6	6	6	6	Manufacture of sports goods
15	18	19	19	19	23	18	18	Manufacture of games and toys
99	99	101	107	112	111	111	110	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
21	21	22	21	23	22	22	23	Repair and maintenance of transport equipment except motorcycles and bicycles
77	78	79	86	89	89	89	87	Other industry
7,195	7,231	7,479	7,523	7,536	8,122	7,865	7,805	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
101	Pemprosesan dan pengawetan daging	-4.8	3.6	-4.6	8.1	7.0	4.8	-4.6	1.9	-1.7	-7.5
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	11.1	2.8	7.5	9.1	-1.4	-3.3	7.5	-4.7	8.9	6.1
	10201 Pengetinan ikan, krustasea dan moluska										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	13.6	2.4	8.2	8.8	-1.8	-4.9	8.5	-6.0	10.2	6.8
	Industri lain	1.6	4.6	4.5	10.5	0.5	3.7	3.4	0.9	3.6	3.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.4	4.5	9.7	5.2	3.6	-0.3	8.1	2.8	5.7	10.6
	10303 Pengetinan nanas	4.0	-17.2	12.8	3.4	-33.2	-47.4	16.1	-48.3	23.9	9.2
	10304 Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	11.2	7.1	9.3	5.4	8.4	5.5	7.2	9.0	3.8	10.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2.3	-0.1	-4.0	-0.3	-0.3	4.5	-5.4	6.5	-5.4	-5.4
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	10406 Pembuatan sebatian lemak masakan	0.1	5.6	0.1	13.8	5.8	3.5	-1.5	3.2	-1.1	-1.8
	10405 Pembuatan minyak kelapa	-8.9	-19.0	-18.8	-10.3	-25.3	-22.3	-19.5	-14.8	-20.3	-18.8
	Industri lain	3.0	0.4	-3.5	-0.9	0.3	5.7	-5.0	7.7	-4.9	-5.0
105	Pembuatan produk tenusu	2.8	9.9	3.3	14.7	19.2	3.9	1.3	11.9	0.6	2.0
	10502 Pembuatan susu pekat, tepung dan sejat	2.2	11.7	4.3	17.1	22.9	4.8	2.5	13.0	1.8	3.1
	Industri lain	6.4	-1.7	-3.6	1.0	-2.0	-2.5	-6.3	4.2	-6.8	-5.7
106	Pembuatan produk bijian, kanji dan produk berkanji	2.1	5.3	3.6	11.9	4.1	2.2	4.2	0.8	8.3	0.4
	10611 Pengilangan beras	10.7	1.9	-1.7	-1.3	4.4	6.6	-1.0	2.8	3.8	-5.6
	10613 Pengilangan tepung	-6.1	8.8	9.5	30.2	3.1	-2.6	10.2	-1.4	13.9	6.8
	Industri lain	0.3	7.3	4.9	10.0	9.2	5.2	5.3	0.9	6.0	4.6
107	Pembuatan produk makanan lain	0.2	2.6	-1.2	-0.2	1.7	10.2	-2.0	7.8	-2.0	-1.9
	10711 Pembuatan biskut dan cookies	1.4	6.0	5.2	0.2	4.9	13.6	3.8	16.8	4.2	3.4
	10712 Pembuatan roti, kek dan produk bakeri lain	1.3	-6.8	-12.2	-9.9	-5.3	0.8	-13.1	-3.4	-14.5	-11.7
	10713 Pembuatan produk snek	-5.3	7.4	1.5	9.1	8.8	10.6	-1.3	10.7	-0.4	-2.2
	10721 Pembuatan gula	-28.7	-9.9	-26.5	-14.5	2.3	7.0	-30.6	11.4	-29.0	-32.3
	10731 Pembuatan produk koko	-14.1	-16.2	-31.0	-23.9	-18.3	21.8	-33.0	27.5	-35.6	-30.4
	10732 Pembuatan coklat dan produk coklat										
	10733 Pembuatan konfeksi gula	-6.8	-1.6	-9.0	-4.4	-0.1	8.7	-10.2	11.3	-8.0	-12.3
	10793 Pembuatan sos dan bahan perasa	-3.1	4.8	-1.7	-2.2	2.6	21.7	2.5	3.6	2.5	2.4
	10799 Pembuatan produk makanan lain t.t.t.l.	4.2	17.7	17.2	19.1	11.4	23.3	16.0	23.1	15.7	16.2
	Industri lain	8.1	8.6	11.5	7.9	5.2	9.8	10.5	7.6	10.8	10.1
108/ 10800	Pembuatan makanan haiwan tersedia	8.5	3.3	-2.2	4.8	6.6	4.4	-5.8	1.9	-8.7	-2.8
110	Pembuatan minuman ringan	-12.5	-5.4	-16.6	-0.05	-2.8	0.5	-17.8	1.0	-18.1	-17.6
	11041 Pembuatan minuman ringan	-9.8	-3.4	-14.2	1.3	-1.2	2.5	-12.7	3.6	-12.5	-13.0
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-15.1	-0.3	-13.3	10.5	1.7	4.0	-21.5	2.6	-22.7	-20.3
	Industri lain	-22.0	-30.6	-36.9	-31.8	-26.6	-23.4	-37.6	-24.0	-37.9	-37.3
120/ 12000	Pembuatan produk tembakau	-27.6	-2.4	-18.7	16.7	1.7	0.4	-18.8	1.1	-20.5	-17.1
131	Pemintalan, penenunan dan penyiapan tekstil	-6.2	-2.2	-8.4	2.2	-5.4	3.6	-8.9	6.2	-9.4	-8.3
	13110 Penyediaan dan pemintalan gentian tekstil										
	13120 Penenunan tekstil	-3.5	-0.4	-3.9	8.7	-6.7	1.4	-4.3	4.5	-4.5	-4.1
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-9.4	-6.5	-17.5	-13.4	-1.7	9.3	-18.0	10.9	-19.5	-16.4
	Industri lain	-29.0	3.9	-8.1	79.7	-12.8	-5.2	-10.6	-0.1	-8.9	-12.3
139	Pembuatan tekstil lain	0.8	1.0	-1.1	4.5	-1.3	2.2	-1.9	-1.9	-3.9	0.4
	13910 Pembuatan fabrik dikait dan dikrusye	-8.8	-4.1	-15.1	1.5	-4.7	3.1	-16.8	-1.1	-20.6	-12.7
	Industri lain	6.9	3.8	7.3	6.0	0.5	1.7	7.3	-2.2	6.5	8.1
141	Pembuatan pakaian, kecuali pakaian berbulu	-17.0	-15.7	-26.9	-17.2	-13.0	-2.0	-26.7	3.7	-26.1	-27.3
	14102 Pembuatan pakaian	-22.0	-19.4	-35.1	-23.0	-11.1	-0.8	-34.4	2.2	-32.8	-36.1
	Industri lain	-0.2	-6.0	-0.2	-1.4	-17.3	-4.7	-2.0	6.8	-5.2	1.7
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-15.3	-16.1	-22.6	-9.6	-17.4	-13.3	-24.6	-3.8	-20.9	-28.3
151 (15110 & 15120)	Penyamanan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-24.7	-0.3	-10.0	14.3	-2.9	0.7	-14.2	0.3	-24.6	-0.5
152	Pembuatan kasut	-1.6	-2.3	-13.7	4.5	-2.3	4.8	-11.2	5.4	-1.7	-19.3
	15201 Pembuatan kasut kulit										
	15203 Pembuatan kasut getah	2.7	-2.1	-14.2	5.4	-2.8	6.1	-9.4	6.3	8.3	-22.8
	Industri lain	-10.8	-3.0	-12.7	2.3	-1.0	1.6	-15.4	3.1	-20.7	-9.4
161/ 16100	Pengilangan dan pengetaman kayu	0.4	-1.3	2.6	4.3	-6.1	-5.0	3.8	-1.6	3.8	3.8

(%)

2021												Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-4.5	6.9	9.0	8.4	7.6	7.9	5.7	5.7	4.3	4.4	4.6	-1.0	Processing and preserving of meat
7.5	10.9	9.3	7.2	1.0	-3.3	-1.8	-3.7	-4.4	-1.9	-4.9	-4.4	Processing and preserving of fish, crustaceans and molluscs
												Canning of fish, crustaceans and molluscs
7.6	10.7	8.6	7.1	0.9	-4.5	-1.8	-5.1	-5.9	-3.8	-6.2	-5.8	Processing, curing and preserving of fish, crustacean and molluscs
6.8	11.6	12.7	7.4	1.6	1.6	-1.6	2.2	2.1	6.7	0.4	1.5	Other industry
13.0	-0.3	6.3	10.2	9.0	0.2	1.7	0.1	-0.4	-0.5	2.1	3.5	Processing and preserving of fruits and vegetable
												Pineapple canning
6.0	10.2	-1.0	1.9	-5.5	-50.0	-46.0	-45.6	-46.8	-49.4	-51.1	-45.6	Manufacture of jams, marmalades and table jellies
13.9	-1.3	7.2	11.2	11.0	6.7	7.4	5.5	5.0	5.9	8.4	9.5	Other industry
-1.2	-1.1	-0.4	0.6	5.3	-6.1	-0.2	3.6	4.1	5.7	6.4	6.5	Manufacture of vegetable and animal oils and fats
												Manufacture of crude and refined vegetable oil
3.2	21.2	12.3	8.6	4.3	7.7	5.6	4.1	3.5	3.0	3.0	3.5	Manufacture of compound cooking fats
-17.3	-0.7	-5.4	-24.3	-28.0	-28.2	-19.1	-21.3	-21.3	-24.3	-15.6	-14.0	Manufacture of coconut oil
-0.6	-2.6	-1.1	1.2	6.9	-6.1	0.2	4.7	5.3	7.2	7.7	7.7	Other industry
7.4	12.6	13.8	18.1	18.3	20.1	19.2	0.03	1.4	10.3	11.7	12.2	Manufacture of dairy products
8.3	14.3	15.7	21.6	23.0	23.5	22.1	0.3	2.1	12.2	12.6	13.4	Manufacture of condensed, powdered and evaporated milk
2.1	2.3	1.9	-1.2	-7.8	0.2	1.8	-2.1	-3.6	-1.8	5.2	3.1	Other industry
2.3	8.0	12.1	15.8	6.7	3.8	2.0	3.5	1.8	1.4	1.7	-0.2	Manufacture of grain mill products, starches and starch products
-3.0	-3.9	0.1	0.2	3.6	4.2	5.4	9.2	6.3	4.2	3.7	1.9	Rice milling
8.2	24.1	29.6	37.7	8.6	3.2	-2.1	-2.8	-3.4	-1.7	-0.3	-2.6	Flour milling
4.1	8.3	6.6	15.4	17.1	4.5	5.9	6.1	5.1	4.4	0.4	1.4	Other industry
0.5	1.6	0.03	-2.1	-0.5	0.4	5.3	10.3	11.0	9.3	8.3	7.3	Manufacture of other food products
8.0	1.3	0.9	-1.7	1.3	4.4	8.9	12.4	15.6	12.7	17.6	16.0	Manufacture of biscuits and cookies
-10.5	-13.5	-7.8	-8.4	-6.7	-5.1	-4.0	1.0	2.8	-1.3	-1.6	-5.2	Manufacture of bread, cakes and other bakery products
7.4	11.5	8.5	7.3	4.6	9.3	12.6	12.6	6.4	12.9	13.4	7.8	Manufacture of snack products
-16.6	-14.1	-12.2	-17.1	5.4	-0.1	1.9	1.8	8.7	10.5	4.4	19.2	Manufacture of sugar
-26.6	-12.3	-36.5	-22.0	-20.9	-20.1	-13.9	21.3	20.8	23.0	35.0	20.3	Manufacture of cocoa products
												Manufacture of chocolate and chocolate products
-6.7	-4.7	-4.9	-3.6	-2.3	-2.4	4.6	8.2	8.1	9.7	10.0	12.6	Manufacture of sugar confectionery
-9.3	2.1	-0.1	-8.3	-9.9	-2.2	20.2	24.7	27.7	13.5	4.1	3.1	Manufacture of sauces and condiments
19.8	26.8	21.2	10.2	14.4	8.4	11.6	24.4	24.0	21.7	22.6	23.5	Manufacture of other food products n.e.c.
13.6	13.5	6.7	3.9	4.4	4.1	7.2	9.9	9.3	10.3	7.4	7.8	Other industry
6.1	3.6	4.4	6.4	11.3	3.5	5.1	5.7	5.5	2.4	2.1	1.7	Manufacture of prepared animal feeds
-14.0	-0.1	0.2	-0.2	-5.6	-3.2	0.4	0.6	0.8	0.1	-0.04	2.0	Manufacture of beverages
-17.3	-0.2	1.5	2.8	-1.7	-2.0	0.1	2.2	2.5	2.7	2.5	4.7	Manufacture of soft drinks
8.8	17.8	8.8	4.6	-1.9	1.4	5.7	3.3	3.9	4.8	2.4	2.9	Production of natural mineral waters and other bottled waters
-35.5	-31.5	-30.3	-34.1	-41.7	-24.2	-12.4	-19.1	-21.3	-28.8	-26.1	-21.9	Other industry
-18.7	17.9	17.6	14.5	2.3	1.2	1.5	0.2	0.1	0.9	1.3	0.9	Manufacture of tobacco products
-7.6	4.6	5.6	-3.3	-4.9	-6.5	-4.9	-0.5	5.3	5.9	6.0	6.4	Spinning, weaving and finishing of textiles
												Preparation and spinning of textile fibres
-3.2	8.8	14.9	2.9	-2.9	-10.2	-6.9	-2.0	3.0	3.3	3.5	5.4	Weaving of textiles
-16.6	-9.5	-16.5	-14.2	-7.0	2.0	-0.1	3.8	11.7	12.1	12.5	9.3	Dyeing, bleaching, printing and finishing of yarns and fabrics
-2.6	311.4	234.1	-20.1	-31.4	-2.9	-3.8	-6.7	-6.2	-2.6	-0.1	-0.002	Other industry
0.5	17.0	4.2	-5.5	-3.6	-0.4	-0.01	1.4	2.4	2.8	-1.2	-2.5	Manufacture of other textiles
-11.5	16.6	-0.3	-7.8	-7.4	-3.8	-2.9	1.2	3.5	4.8	-1.3	-1.0	Manufacture of knitted and crocheted fabrics
7.4	17.1	6.7	-4.3	-1.6	1.5	1.6	1.5	1.8	1.8	-1.2	-3.3	Other industry
-27.5	-10.0	-15.1	-26.4	-16.6	-10.4	-11.6	-10.6	1.8	2.4	3.3	4.2	Manufacture of wearing apparel, except fur
-36.6	-18.8	-19.7	-30.7	-16.4	-7.3	-9.1	-7.9	3.2	2.1	1.8	2.7	Manufacture of clothings
3.5	16.2	-2.2	-15.6	-17.1	-17.3	-17.4	-16.6	-1.3	3.2	6.5	7.2	Other industry
-18.3	-8.6	-5.4	-14.8	-7.4	-23.6	-21.0	-23.7	-8.3	-8.0	-1.1	-6.9	Manufacture of articles of fur, knitted and crocheted apparel
												Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-0.2	18.7	22.0	3.3	-9.6	-0.8	1.4	3.0	3.0	-3.5	1.9	-1.3	
-18.6	14.3	11.1	-10.0	-10.0	0.8	2.5	4.2	3.8	6.6	3.4	7.4	Manufacture of footwear
												Manufacture of leather footwear
-22.8	17.3	13.6	-11.4	-11.8	1.8	1.9	4.6	4.6	9.1	3.7	9.0	Manufacture of rubber footwear
-6.6	7.7	5.6	-6.2	-5.6	-1.5	4.0	3.0	1.7	0.3	2.7	3.5	Other industry
0.3	22.7	4.3	-10.2	-6.1	-5.8	-6.4	-6.0	-4.0	-4.9	-1.3	-1.8	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021		2022	
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-4.8	2.4	-8.2	2.2	3.5	13.4	-9.3	10.6	-8.0	-10.6
16211	Pembuatan kepingan venier dan papan lapis	-8.8	-3.2	-18.0	-8.3	0.3	16.4	-19.3	12.7	-18.6	-20.0
16212	Pembuatan papan partikel dan papan gentian	-12.5	5.7	-11.4	5.8	9.2	22.2	-12.0	28.2	-10.3	-13.8
16221	Pertukangan kayu untuk jurubina	11.7	15.9	23.7	24.4	8.2	9.1	23.1	4.2	22.9	23.3
	Industri lain	-1.3	1.7	-6.2	7.8	3.2	3.4	-7.0	0.6	-2.9	-11.3
170	Pembuatan kertas dan produk kertas	-5.8	0.7	-4.7	3.1	0.7	4.3	-4.9	5.0	-5.0	-4.8
17010	Pembuatan pulpa, kertas dan kertas tebal	-2.3	-1.9	-14.9	-5.1	-0.4	15.1	-16.6	17.5	-18.5	-14.5
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-10.5	0.9	-5.2	7.2	-0.5	2.8	-6.7	2.8	-6.3	-7.1
17091	Pembuatan sampul surat dan kad surat	-6.4	1.5	-8.7	-0.03	9.2	6.9	-7.9	-3.9	-9.6	-6.3
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.0	2.3	-0.2	6.7	0.8	1.9	0.3	10.6	0.4	0.1
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-7.5	-12.8	-12.1	-18.7	-11.4	-9.1	-7.9	-11.5	-6.0	-9.7
	Industri lain	6.7	27.3	21.7	37.5	28.2	23.1	19.2	16.3	17.2	21.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-2.8	-0.8	-4.1	2.3	-2.8	1.8	-4.6	1.5	-5.5	-3.6
18110	Percetakan	-1.8	-0.5	-4.2	2.8	-2.3	2.1	-4.3	1.6	-4.6	-4.0
18120	Aktiviti perkhidmatan berkaitan percetakan										
&											
18200	Penerbitan semula media rakaman	-7.4	-2.4	-3.6	-0.7	-5.1	-0.1	-6.0	0.7	-10.0	-1.5
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-4.4	1.9	-3.1	6.4	5.2	0.6	-3.7	1.3	-4.9	-2.4
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-16.9	-2.2	-21.5	4.8	9.0	5.5	-22.3	4.3	-22.7	-22.0
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-41.2	-9.0	-47.6	19.0	16.7	22.1	-47.5	32.8	-46.8	-48.1
20112	Pembuatan kimia organik asas										
&											
20113	Pembuatan sebatian bukan organik	-3.4	3.1	-7.1	-1.4	14.2	8.2	-8.0	7.5	-9.0	-7.0
20121	Pembuatan baja										
&											
20129	Pembuatan produk campuran nitrogen	-39.0	-17.1	-44.8	12.8	-2.3	-5.3	-45.7	-11.4	-45.8	-45.7
20131	Pembuatan plastik dalam bentuk primer	-13.7	-3.4	-21.2	9.5	2.7	1.6	-22.6	-3.5	-22.3	-22.9
	Industri lain	-8.7	7.7	1.5	14.5	12.4	3.6	-1.6	10.0	-5.9	2.9
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.9	3.1	11.5	6.6	-4.4	-0.8	11.1	-1.4	9.8	12.4
20210	Pembuatan racun perosak dan produk agrokimia lain	2.3	31.5	49.3	34.2	23.8	20.7	51.9	2.7	56.7	46.9
20221	Pembuatan cat, varnis dan penyadur dan mastik	-2.2	2.9	6.7	2.2	-0.5	3.0	9.4	7.0	20.7	-1.9
20222	Pembuatan dakwat cetak	20.3	-6.4	21.7	-11.5	-15.2	-16.1	23.5	-17.9	26.0	21.2
20231	Pembuatan sabun dan bahan pencuci, penyediaan										
&	membersih dan mengilat	1.8	-3.3	1.7	9.8	-10.0	-12.7	-2.2	-9.7	-7.6	3.4
20232	Pembuatan pewangi dan penyediaan dandanan diri										
20291	Pembuatan plat fotografi, filem, sensitized paper dan										
&	other sensitized unexposed materials										
20292	Pembuatan dakwat menulis dan melukis	7.7	8.0	15.6	6.3	-2.5	13.3	18.4	9.8	14.7	22.2
&											
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	0.4	-0.8	-1.3	-2.1	0.5	-0.4	-2.2	3.0	-6.3	2.4
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	9.5	13.7	14.6	14.8	13.9	11.9	14.2	9.2	13.9	14.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.8	12.1	13.1	13.5	10.3	11.5	12.6	7.7	12.6	12.6
	Industri lain	8.1	20.9	21.1	20.6	29.0	13.5	21.2	15.2	19.2	23.3
221	Pembuatan produk getah	7.7	8.9	7.3	11.5	14.3	2.3	8.2	2.0	9.4	6.8
22111	Pembuatan tayar getah untuk kenderaan	-7.3	-2.2	-14.2	5.0	0.4	0.7	-18.7	2.0	-14.3	-23.1
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	6.9	14.7	19.1	21.0	8.1	11.6	12.8	8.3	16.1	9.4
22191	Pembuatan produk lain daripada getah asli atau sintetik,										
&	tidak divulkan, divulkan atau dikeraskan	2.2	15.2	25.6	22.2	11.6	3.8	20.5	3.3	13.8	28.0
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	15.8	15.6	7.1	15.7	30.3	8.0	11.4	8.6	15.3	7.4
22199	Pembuatan produk getah lain yang t.t.t.l.	1.9	-7.8	4.5	-5.5	-16.8	-13.3	5.4	-13.6	5.1	5.9
222	Pembuatan produk plastik	8.5	6.5	15.9	11.5	-0.5	0.7	14.5	-0.5	14.5	14.5
22201	Pembuatan produk plastik separa siap										
&		11.1	1.3	8.7	4.8	-3.8	-3.6	10.2	-3.6	13.2	7.5
22202	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan	10.3	13.0	18.6	19.5	5.2	9.7	9.7	7.3	9.5	9.9
22204	Pembuatan barangan plastik jurubina	3.7	2.6	9.5	13.2	-8.4	-3.3	5.2	-3.4	5.5	4.8
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	24.5	13.1	34.0	14.6	1.6	7.2	35.5	4.6	35.0	36.0
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.5	7.2	18.9	13.4	-0.6	-1.0	18.3	-2.5	15.5	21.2
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-5.1	12.3	-2.9	10.9	14.4	28.8	-6.9	21.9	-8.0	-5.7

2021						2022						Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-6.0	5.7	3.2	-2.2	-1.1	3.0	8.6	11.9	14.5	13.7	10.3	11.0	Manufacture of products of wood, cork, straw and plaiting materials
-15.2	-7.0	-5.7	-12.1	-7.9	-1.0	10.2	14.5	16.1	18.5	12.8	12.5	Manufacture of veneer sheets and plywood
-10.2	-0.3	6.8	11.3	6.6	9.5	11.5	17.8	26.3	22.3	26.7	29.7	Manufacture of particle board and fibreboard
24.9	35.6	23.9	14.5	9.2	7.8	7.5	7.4	11.0	9.1	4.8	3.7	Manufacture of builders' carpentry
-4.3	19.3	4.8	0.5	2.1	4.6	2.8	5.2	5.5	-0.4	-1.0	2.4	Other industry
-4.3	5.5	3.1	0.8	-0.8	0.5	2.3	3.2	5.5	4.2	4.0	5.9	Manufacture of paper and paper products
-11.6	-4.2	-6.2	-5.0	-2.1	-1.9	2.9	12.3	17.5	15.5	17.6	17.3	Manufacture of pulp, paper and paperboard
-2.1	8.7	7.0	6.0	-4.3	1.2	1.6	1.9	4.0	2.6	4.9	0.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-10.1	-8.9	4.9	4.9	9.5	8.5	9.5	8.1	6.9	5.7	2.4	-9.9	Manufacture of envelopes and letter-card
-1.0	19.3	2.0	-0.6	2.6	-1.6	1.4	0.6	2.7	2.5	-4.1	25.4	Manufacture of household and personal hygiene paper
-19.5	-18.6	-16.7	-20.8	-11.3	-13.6	-9.3	-9.5	-8.7	-9.1	-12.6	-10.3	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
26.8	38.4	42.5	31.8	27.8	30.4	26.6	23.2	25.9	20.6	23.6	9.5	Other industry
-3.2	4.0	3.2	-0.4	-2.9	-2.5	-2.9	0.4	2.2	2.6	1.6	1.3	Printing, service activities related to printing and reproduction of recorded media
-4.0	4.2	4.4	0.01	-2.4	-2.1	-2.5	0.5	2.5	3.2	1.5	1.8	Printing
1.4	3.1	-2.5	-2.9	-5.7	-4.6	-5.1	-0.3	0.7	-0.6	2.4	-1.0	Service activities related to printing
												Reproduction of recorded media
-2.1	3.9	5.8	9.5	5.3	5.4	4.9	1.0	0.6	0.4	0.2	2.5	Manufacture of refined petroleum products
-19.7	6.6	0.8	7.0	9.4	10.4	7.3	8.0	4.4	4.4	4.2	4.4	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-47.9	19.5	17.5	19.9	15.9	19.0	15.1	14.1	24.8	27.8	30.1	35.5	Manufacture of liquefied or compressed inorganic industrial or medical gases
												Manufacture of basic organic chemicals
-5.1	0.5	-8.7	3.7	16.1	16.0	10.7	13.0	6.3	5.7	8.1	6.9	Manufacture of inorganic compounds
												Manufacture of fertilizers
-43.1	19.7	18.1	3.1	-2.7	-1.1	-3.1	-3.4	-7.1	-5.4	-14.5	-8.4	Manufacture of associated nitrogen products
-18.3	9.7	7.5	11.4	1.6	3.8	2.6	2.1	1.2	1.4	-3.0	-3.9	Manufacture of plastics in primary forms
8.2	12.5	14.3	16.7	11.8	13.0	12.2	11.0	0.6	-0.2	10.2	9.8	Other industry
12.3	9.3	10.2	0.7	-3.3	-5.5	-4.5	-0.9	-0.7	-0.9	-0.8	-2.1	Manufacture of other chemical products and man-made fibres
44.7	25.6	42.4	35.6	26.0	19.4	26.1	30.9	19.2	13.2	2.8	2.5	Manufacture of pesticides and other agrochemical products
1.3	3.7	3.1	-0.3	2.3	-2.9	-0.8	0.4	5.5	3.2	2.8	12.2	Manufacture of paints, varnishes and similar coatings ink and
18.5	-12.1	-8.3	-14.1	-13.9	-15.5	-16.1	-16.8	-13.6	-17.8	-17.6	-18.2	Manufacture of printing ink
												Manufacture of soap and detergents, cleaning and polishing preparations
10.1	15.0	16.4	-0.5	-7.8	-11.3	-10.7	-11.1	-14.7	-12.2	-10.5	-9.0	Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
10.4	12.0	6.8	0.6	-3.6	-2.5	-1.5	9.9	14.4	15.3	14.6	5.2	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
0.6	-2.3	2.6	-6.3	-2.9	1.0	3.6	4.0	-1.0	-3.7	2.3	3.6	Other industry
15.3	15.7	15.3	13.3	13.4	14.6	13.6	15.1	9.9	10.8	10.5	7.8	Manufacture of pharmaceuticals, medicinal chemical and botanical products
14.0	13.9	13.1	13.3	8.9	11.5	10.6	12.7	9.3	12.4	9.6	5.8	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
20.7	23.5	25.2	13.3	32.7	27.8	26.4	26.3	12.3	4.1	14.4	16.0	Other industry
5.6	4.6	7.6	21.5	18.1	15.7	9.1	6.4	1.2	-0.6	0.6	3.5	Manufacture of rubber products
-4.9	-5.3	12.7	7.7	3.7	-2.8	0.3	-1.4	-3.2	7.1	2.1	1.8	Manufacture of rubber tyres for vehicles
31.5	28.4	23.4	11.4	6.1	9.7	8.5	15.1	11.3	8.4	8.5	8.1	Manufacture of interchangeable tyre treads and retreading rubber tyres
												Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
36.4	19.6	31.3	16.7	16.6	13.4	5.6	5.2	0.2	6.0	3.1	3.4	Rubber remilling and latex processing
-0.9	-2.5	7.9	38.9	35.4	33.1	22.3	15.5	7.5	1.2	6.6	10.8	Manufacture of rubber gloves
2.5	13.5	-13.6	-14.7	-16.5	-17.3	-16.6	-13.5	-12.9	-13.4	-15.6	-11.6	Manufacture of other rubber products n.e.c.
18.6	19.5	13.2	2.6	0.3	-0.9	-1.0	0.1	0.9	1.2	0.3	-1.2	Manufacture of plastics products
												Manufacture of semi-manufactures of plastic products
5.8	8.0	9.8	-3.1	-2.8	-3.7	-4.9	-5.6	-2.5	-2.5	-2.0	-5.2	Manufacture of finished plastic products
37.7	37.1	15.2	9.1	5.5	6.1	4.1	9.5	8.4	11.1	7.6	6.9	Manufacture of plastic articles for the packing of goods
18.6	25.1	15.5	0.4	-8.6	-9.7	-6.8	-6.0	-4.6	0.7	-2.6	-4.3	Manufacture of builders' plastics ware
31.2	24.9	18.0	2.8	-3.7	4.1	4.4	10.6	5.0	6.2	4.3	4.9	Manufacture of plastic tableware, kitchenware and toilet articles
20.1	21.7	14.4	4.9	1.6	-2.8	-0.6	-1.0	-0.5	-1.5	-2.3	-2.7	Manufacture of diverse plastic products n.e.c.
6.0	12.9	9.5	10.3	8.6	8.1	27.1	31.2	26.2	29.0	25.5	18.3	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-1.0	-0.3	-3.6	4.0	-1.3	-0.2	-4.1	0.8	-3.0	-5.2
23911	Pembuatan mortar refraktori dan konkrit	-5.0	-11.4	-16.4	-4.4	-8.3	-15.6	-18.0	-23.4	-14.7	-21.4
23921	Pembuatan seramik bukan refraktori	-1.8	-0.6	6.5	3.6	-6.3	-5.4	9.0	4.3	20.8	-1.9
23930	Pembuatan produk porselin dan seramik lain	1.6	-5.2	-11.4	-4.7	-1.7	-2.1	-10.1	-0.5	-9.2	-11.0
23941	Pembuatan simen hidrolik	-4.1	3.2	-3.3	8.7	1.5	6.6	-3.6	6.5	-1.8	-5.4
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	3.0	2.2	5.3	6.2	-0.1	-2.0	3.7	-0.6	4.1	3.3
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										
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-5.7	-4.7	-14.7	-8.4	-1.5	7.5	-14.7	9.0	-15.9	-13.4
	Industri lain	2.7	8.1	3.1	26.1	0.6	4.6	3.5	9.4	3.5	3.5
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-7.5	-0.5	-3.2	-0.5	-3.5	5.3	-6.3	6.3	-5.7	-6.9
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-6.7	4.5	-5.7	9.8	6.4	8.8	-4.0	6.9	-3.2	-4.9
243	Pengacuan logam	-10.4	2.2	-0.4	11.5	-2.8	2.0	-5.8	1.5	-8.3	-3.0
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-1.2	-1.6	1.7	1.5	-6.7	-2.8	0.7	-2.0	2.3	-0.9
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-1.5	-10.6	-3.7	-3.9	-18.7	-15.0	-4.5	-10.3	-1.2	-7.8
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	2.9	17.5	16.5	14.3	18.4	20.4	15.3	16.3	13.7	16.8
	Industri lain	-8.3	-2.8	-3.8	-2.8	-5.7	1.2	-5.0	-9.2	-4.4	-5.7
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.6	4.9	6.8	5.6	1.1	6.2	7.0	3.6	8.5	5.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	8.2	7.4	14.4	9.0	2.0	4.7	15.8	-0.8	20.7	11.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	20.3	13.0	26.3	24.0	2.5	2.6	26.7	0.8	26.0	27.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	9.1	2.4	5.2	-3.8	-0.4	7.9	9.8	1.2	10.2	9.3
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam										
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	-7.4	10.2	1.1	3.8	9.6	26.1	-0.2	22.3	-1.5	1.1
25994	Pembuatan barangan rumah daripada logam	-11.5	-8.1	-10.6	0.7	-10.8	-11.5	-14.7	-18.2	-16.5	-12.8
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7.5	2.5	3.4	6.1	-0.02	0.8	2.8	1.9	3.7	2.0
	Industri lain	3.6	-13.3	-4.1	-11.2	-17.8	-19.3	-3.8	-19.7	5.9	-13.5
261	Pembuatan komponen dan papan elektronik	-1.0	5.8	-0.2	11.7	5.0	7.7	-0.7	4.6	-3.5	2.1
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-4.2	6.5	-8.2	14.6	12.3	10.8	-9.5	5.1	-11.7	-7.3
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro										
26103	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	5.1	7.0	19.5	9.2	-5.1	5.4	20.7	5.1	15.1	26.2
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	8.5	-10.7	5.6	-10.1	-19.7	-17.0	7.3	-7.2	11.3	3.5
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.9	9.8	5.1	8.5	13.8	12.1	6.9	1.8	6.9	7.0
263/ 26300	Pembuatan peralatan komunikasi	-13.8	-5.8	-29.5	-1.8	-1.1	17.9	-30.3	28.9	-25.8	-34.6
264/ 26400	Pembuatan peralatan elektronik pengguna	3.3	-4.3	-4.8	-5.6	-7.9	1.0	-3.1	17.0	5.8	-12.3
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-1.1	5.7	-3.5	2.5	9.6	14.5	-6.7	22.2	-5.8	-7.7
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	0.03	6.8	-2.4	3.4	11.3	15.5	-5.7	22.3	-4.2	-7.1
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	-10.3	-4.6	-13.4	-5.3	-4.5	5.4	-16.2	21.0	-20.0	-12.2
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-4.6	15.4	0.4	19.0	17.7	26.3	-6.7	15.0	-8.8	-4.7

2021						2022						Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-2.5	9.2	5.9	-2.8	-2.3	-1.3	-0.3	0.0	-1.7	1.1	0.6	1.0	Manufacture of non-metallic mineral products
-13.1	0.5	-5.0	-8.4	-6.6	-7.8	-10.5	-7.1	-21.8	-18.0	-26.6	-19.9	Manufacture of refractory mortars and concretes
1.6	0.8	8.1	1.8	-7.9	-3.3	-7.6	-1.7	-12.6	-1.4	-6.4	16.5	Manufacture of non-refractory ceramic
-13.9	10.0	-7.4	-14.3	-4.4	-5.2	4.9	4.3	1.4	-10.3	3.2	-4.3	Manufacture of other porcelain and ceramic products
-2.9	14.9	6.2	5.6	2.5	0.8	1.1	3.7	5.1	10.9	6.4	6.5	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
8.7	9.3	10.6	-1.1	-0.4	-0.2	0.2	-2.0	-2.0	-2.1	1.1	-2.2	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
												Manufacture of other articles of concrete, cement and plaster n.e.c.
-14.8	-12.3	2.0	-13.7	-6.4	1.2	0.9	1.7	5.3	14.9	8.7	9.4	Manufacture of other non-metallic mineral products n.e.c.
2.4	49.2	21.4	9.6	-2.9	-0.8	5.7	3.7	3.9	6.1	8.5	10.4	Other industry
3.7	8.1	-3.8	-5.2	-6.8	-6.3	2.5	2.9	5.2	7.6	5.9	6.6	Manufacture of basic iron and steel
-8.7	8.3	14.3	7.0	5.7	4.1	9.6	11.2	10.6	5.2	6.9	6.9	Manufacture of basic precious and other non-ferrous metals
11.8	16.3	10.3	7.9	-5.4	-3.5	0.3	1.9	3.6	0.6	1.1	1.9	Casting of metals
3.8	10.9	2.3	-7.7	-6.9	-9.4	-3.6	-1.2	-4.3	-2.8	-0.7	-3.3	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-2.1	11.2	-1.8	-18.7	-19.4	-20.8	-15.9	-14.7	-16.4	-14.0	-10.0	-10.6	Manufacture of metal doors, windows and their frames, shutters and gates
18.8	16.0	14.8	12.1	19.4	14.4	21.5	25.3	17.8	18.6	20.6	12.3	Manufacture of other structural metal products
-1.2	-0.6	-6.6	-0.9	-6.1	-8.5	-2.4	2.8	0.8	0.1	-7.8	-10.6	Manufacture of tanks, reservoirs and containers of metal
6.3	8.7	6.0	2.3	-2.5	-1.2	6.8	6.5	6.4	5.6	4.0	3.2	Other industry
11.7	15.4	8.3	4.0	2.0	2.1	2.0	5.2	5.1	3.8	-3.6	2.1	Manufacture of other fabricated metal products; metal working service activities
25.5	31.6	24.3	17.1	1.7	1.7	4.1	4.4	1.2	2.3	0.6	1.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-3.9	0.9	-7.3	-4.9	-6.7	-2.9	8.4	11.5	5.3	7.5	2.3	0.1	Treatment and coating of metals; machining
3.6	5.3	3.9	2.2	-2.3	0.3	31.0	24.0	30.5	24.2	25.3	19.3	Manufacture of metal products, collapsible tubes and boxes
-1.3	5.3	5.4	-8.5	-7.9	-10.8	-13.7	-11.0	-15.5	-7.9	-13.4	-22.7	Manufacture of metal cable, plaited bands and similar articles
4.6	14.0	5.3	-0.4	-1.9	0.8	1.1	1.0	0.1	1.2	2.7	1.1	Manufacture of bolts, screws, nuts and similar threaded products
-4.9	-25.2	-0.5	-3.1	-14.9	-18.2	-20.3	-20.3	-18.8	-18.8	-17.6	-22.3	Manufacture of metal household articles
0.7	12.1	11.2	11.9	6.6	6.1	2.4	4.8	7.8	10.3	6.0	3.2	Manufacture of any other fabricated metal products n.e.c.
-5.6	8.1	14.4	21.5	13.9	15.4	7.7	7.7	10.7	13.6	7.3	3.0	Other industry
17.1	23.1	8.2	-1.9	-2.9	-7.5	-4.8	2.4	6.1	7.5	5.3	4.9	Manufacture of electronic components and boards
2.1	1.0	-9.7	-20.2	-20.3	-20.6	-18.3	-16.8	-17.2	-17.0	-7.0	-7.4	Manufacture of diodes, transistors and similar semiconductor devices
1.5	4.8	8.2	12.7	3.6	7.3	31.8	20.6	9.7	7.0	2.0	1.6	Manufacture of electronic integrated circuits micro assemblies
-27.9	-10.6	3.2	4.9	-4.8	0.6	0.9	1.6	20.1	34.2	23.3	35.2	Manufacture of electrical capacitors and resistors
-8.2	-2.8	-3.8	-10.1	-14.9	-6.7	-2.5	1.5	3.1	-1.5	8.6	27.3	Manufacture of printed circuit boards
3.5	4.9	2.9	-0.3	5.0	10.9	13.0	8.5	16.9	17.7	17.4	27.3	Manufacture of display components
4.8	5.1	4.3	0.8	6.4	12.8	14.8	9.7	18.0	18.4	16.3	28.8	Manufacture of other components for electronic applications
-7.3	3.4	-8.3	-9.6	-6.0	-4.8	-2.7	-2.2	6.9	10.8	28.8	13.5	Manufacture of computers and peripheral equipment
15.0	17.0	19.1	20.7	20.4	17.5	15.1	28.7	30.0	19.6	18.2	12.0	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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2021	2021				2021	2022	Jan.	Feb.
				Q1	Q2	Q3	Q4	(Jan. - Feb.)	(Jan. - Feb.)		
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-3.6	0.4	2.6	-1.8	-2.9	3.4	1.7	3.3	4.4	-0.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	0.4	-1.2	-0.3	-5.5	-0.9	1.5	-0.2	-2.9	1.2	-1.5
	27101 Pembuatan motor elektrik, penjana dan transformer	-5.8	3.0	-16.8	6.6	11.2	13.6	-19.5	13.0	-16.3	-22.6
	27102 Pembuatan perkakasan pengagihan dan pengawalan	3.8	-3.3	8.8	-11.4	-6.9	-4.1	10.9	-9.4	11.3	10.5
272/ 27200	Pembuatan bateri dan akumulator	4.6	3.5	-3.9	1.2	9.7	6.2	-2.9	18.2	6.1	-12.0
273	Pembuatan pendawaian dan peranti pendawaian	-0.1	13.5	7.1	19.7	13.2	14.9	8.9	9.6	10.3	7.5
	27310 Pembuatan kabel gentian optikal	-2.8	-1.0	-30.1	-20.7	0.7	45.0	-32.1	55.3	-34.1	-30.0
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	0.4	15.1	10.7	24.3	14.3	12.4	12.9	6.9	14.7	11.0
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-5.4	7.4	-3.4	6.5	12.5	14.3	-2.2	18.3	-3.6	-0.7
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	5.4	43.9	21.5	33.5	60.4	60.7	20.9	41.0	20.4	21.4
275/ 27500	Pembuatan perkakasan domestik	11.1	-17.2	6.4	-8.3	-28.8	-35.9	3.7	-31.1	3.9	3.4
279/ 27900	Pembuatan kelengkapan elektrik lain	2.1	5.7	2.0	4.3	3.3	12.8	4.6	22.5	7.6	1.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.2	3.0	4.4	5.8	0.2	1.8	4.0	1.6	3.9	4.0
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-11.2	-0.1	7.8	0.2	-0.4	-6.6	12.6	-3.9	36.3	-4.1
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	5.3	15.3	26.3	21.2	5.4	10.9	29.9	-3.8	28.4	31.4
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10.2	-1.9	1.0	-6.2	-1.3	-1.1	0.5	0.7	0.7	0.2
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-19.8	1.0	-12.7	17.2	0.5	4.3	-19.2	6.6	-17.5	-20.9
		1.2	0.6	2.2	2.3	-1.7	-0.5	2.4	4.0	-1.1	6.1
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-12.2	2.6	-10.8	11.2	-1.1	13.6	-9.6	10.7	-10.7	-8.5
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-14.0	8.6	-10.1	13.6	15.5	18.8	-14.6	15.6	-14.9	-14.3
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-6.7	-2.6	-6.0	5.1	-3.8	-5.0	-7.1	-6.2	-6.9	-7.4
301 (30110 & 30120)	Pembinaan kapal dan bot	-7.6	-4.7	0.5	1.0	-11.8	-8.7	-9.1	-7.2	-11.6	-6.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-14.5	1.0	-12.3	10.5	4.0	5.5	-13.5	3.1	-13.1	-13.8
	30910 Pembuatan motosikal	-13.5	10.7	-4.5	19.1	13.3	18.4	-7.3	11.5	-6.8	-7.8
	30920 Pembuatan basikal dan invalid carriages	0.1	-4.2	5.6	8.4	-11.1	-17.8	5.3	-18.6	11.1	0.05
	Industri lain	-22.9	-14.3	-33.3	-5.1	-4.7	-4.4	-32.3	-0.1	-33.8	-30.8
310	Pembuatan perabot	1.2	2.4	3.4	4.6	-3.3	5.2	3.3	5.9	3.2	3.4
	31001 Pembuatan perabot kayu dan rotan	3.9	3.9	5.8	4.4	-1.7	7.0	6.4	9.9	6.2	6.7
	Industri lain	-6.1	-2.0	-3.5	5.4	-8.3	-0.8	-5.4	-6.5	-5.2	-5.6
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	4.0	3.3	8.6	8.0	-5.9	3.0	10.1	3.0	10.7	9.5
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	4.1	7.9	10.2	8.7	7.5	5.5	8.9	1.5	8.2	9.6
	32901 Pembuatan alat tulis	-10.8	-0.1	-11.1	-1.8	6.2	8.8	-15.4	5.2	-15.7	-15.0
	Industri lain	9.4	10.3	17.4	11.9	7.8	4.7	17.6	0.5	16.9	18.4
323/ 32300	Pembuatan barangan sukan	1.1	7.0	11.3	13.6	0.5	3.6	8.6	-1.6	9.5	7.7
324/ 32400	Pembuatan permainan dan mainan	4.3	-0.4	-27.3	-22.0	9.6	40.1	-26.1	61.1	-25.5	-26.7
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-7.2	1.6	-3.9	4.4	1.7	4.7	-5.9	3.5	-6.2	-5.5
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-6.9	-6.2	-7.6	-10.9	-2.7	-3.1	-8.7	-4.4	-9.0	-8.4
	Industri lain	-7.3	3.9	-2.8	9.4	3.0	6.9	-5.0	5.7	-5.4	-4.6
Jumlah Pembuatan		-1.1	3.0	-0.6	6.0	2.3	4.7	-1.3	4.0	-1.4	-1.3

2021						2022						Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
4.3	11.1	-7.2	-7.3	-4.5	-0.9	-3.2	-0.4	2.4	7.8	2.7	3.8	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-0.7	-7.9	-5.7	-3.0	-3.2	-1.4	1.9	1.9	3.4	-0.6	-2.5	-3.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-10.6	7.7	3.1	9.2	8.8	11.8	13.0	13.4	12.9	14.5	13.1	12.8	Manufacture of electric motors, generators and transformers
4.3	-15.3	-9.9	-9.2	-9.3	-8.0	-3.6	-3.7	-1.1	-7.0	-9.2	-9.7	Manufacture of electricity distribution and control apparatus
-5.9	-3.7	1.3	5.4	3.8	14.8	10.6	10.6	3.7	4.3	6.8	32.1	Manufacture of batteries and accumulators
3.3	27.9	18.0	14.7	11.4	10.9	17.1	15.5	14.2	14.9	10.9	8.3	Manufacture of wiring and wiring devices
-25.9	-21.7	-21.5	-19.2	-19.3	-15.1	37.3	37.0	48.5	49.1	60.5	50.3	Manufacture of fibre optic cables
6.2	33.7	22.5	18.1	14.3	12.9	15.6	13.8	11.3	12.2	8.2	5.7	Manufacture of other electronic and electric wires and cables
-5.8	5.1	1.7	12.1	9.5	17.4	10.8	14.1	14.8	14.0	19.1	17.6	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
22.7	24.3	17.8	60.3	57.9	60.1	63.4	61.2	59.0	61.8	43.2	38.6	Manufacture of electric lighting equipment
12.5	-6.4	0.6	-17.4	-21.6	-27.5	-37.3	-36.0	-36.3	-35.5	-30.5	-31.6	Manufacture of domestic appliances
-3.3	5.9	5.5	1.3	-1.2	1.9	9.2	4.5	6.6	27.1	21.6	23.4	Manufacture of other electrical equipment
5.2	10.0	7.6	0.03	-1.9	1.7	0.8	1.1	3.2	1.2	2.0	1.1	Manufacture of general-purpose and special-purpose machinery
												Manufacture of fluid power equipment
-0.8	6.7	-1.5	-4.4	-1.9	1.8	-1.2	-5.9	-7.9	-6.2	-1.4	-6.4	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
18.9	23.7	23.9	16.1	5.1	5.4	5.6	9.6	16.6	7.2	-7.7	0.2	Manufacture of metal-forming machinery and machine tools
2.2	-0.8	0.7	-16.1	-7.6	4.8	-0.9	-3.5	4.9	-4.3	-2.1	3.5	Manufacture of air-conditioning machines, including for motor vehicles
6.0	14.9	18.7	18.4	0.1	0.6	0.8	1.2	2.0	9.0	5.7	7.6	Manufacture of other special-purpose machinery
1.8	7.5	2.7	-2.9	-3.3	-1.0	-0.6	0.2	-1.2	-0.5	8.1	0.05	Other industry
-13.4	15.1	19.6	0.2	2.0	-4.5	-0.5	14.6	16.6	10.3	11.0	10.5	Manufacture of motor vehicles
-0.8	17.6	16.7	6.7	11.9	14.6	19.9	20.7	18.4	17.3	13.5	17.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-3.7	7.4	7.3	0.5	-6.3	-4.1	-1.2	-3.4	-5.1	-6.4	-6.1	-6.2	Manufacture of parts and accessories for motor vehicles
21.6	11.6	-1.0	-6.8	-12.0	-12.9	-10.3	-8.0	-11.8	-6.2	-6.7	-7.6	Building of ships and boats
-10.1	13.8	13.9	3.9	2.5	3.3	6.0	7.5	6.4	2.7	2.5	3.8	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
1.0	19.2	21.9	16.1	16.1	10.5	13.3	17.8	21.3	16.0	11.2	11.8	Manufacture of motorcycles
6.3	36.1	8.5	-13.1	-21.1	-3.4	-8.8	-6.1	-20.3	-26.1	-19.7	-17.4	Manufacture of bicycles and invalid carriages
-35.3	-7.7	1.2	-8.5	-8.0	-6.8	1.0	-4.4	-4.9	-4.1	-0.8	0.7	Other industry
3.6	13.4	5.5	-3.9	-8.2	-7.1	5.2	4.4	5.7	5.4	6.7	5.2	Manufacture of furniture
4.6	11.6	6.0	-3.5	-7.2	-6.5	8.4	6.2	7.0	7.8	10.7	9.1	Manufacture of wooden and cane furniture
0.8	19.2	4.0	-5.2	-11.3	-8.9	-4.6	-1.5	1.4	-2.3	-5.9	-7.0	Other industry
5.6	16.0	8.8	-0.2	-6.4	-10.0	-1.4	-1.0	0.2	8.9	5.0	1.0	Manufacture of jewellery, bijouterie and related articles
12.7	15.0	6.0	5.6	6.2	6.7	9.6	5.4	5.6	5.5	2.6	0.3	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-1.2	6.2	-7.5	-3.3	3.1	5.9	9.8	9.7	9.0	7.6	4.8	5.6	Manufacture of stationery
17.0	17.6	10.4	8.1	7.1	7.0	9.5	4.3	4.8	4.9	2.0	-1.0	Other industry
17.3	19.9	19.4	2.7	-3.8	-0.2	5.2	5.8	1.2	3.8	-0.6	-2.7	Manufacture of sports goods
-29.6	-35.5	-14.2	-13.8	1.2	16.6	10.6	44.2	46.5	32.1	60.4	61.7	Manufacture of games and toys
0.2	5.0	7.1	1.1	0.4	1.1	3.7	3.7	6.5	3.9	3.6	3.3	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-5.5	-23.0	-1.8	-3.3	-3.2	-3.5	-1.3	-2.2	-1.6	-5.4	-6.2	-2.5	Repair and maintenance of transport equipment except motorcycles and bicycles
1.9	16.3	9.7	2.3	1.4	2.4	5.1	5.3	8.9	6.6	6.5	4.9	Other industry
0.8	8.2	6.4	3.5	1.5	1.7	3.6	4.4	4.8	4.9	4.1	3.9	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
101	Pemprosesan dan pengawetan daging	0.7	0.4	-2.3	6.1	-0.7	-3.9	1.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	1.1	-1.7	-2.0	-0.7	4.4	-5.0	1.2
10201 & 10202	Pengetinan ikan, krustasea dan moluska	0.5	-1.2	-3.8	-0.5	3.2	-4.2	0.9
	Pemprosesan dan pengawetan ikan, krustasea dan moluska							
	Industri lain	3.6	-4.1	5.8	-1.4	9.6	-8.2	2.9
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	6.4	0.5	-4.8	-2.1	5.4	-1.6	1.0
10303 & 10304	Pengetinan nanas	1.7	-1.9	-31.1	-23.5	-2.7	0.2	-10.2
	Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	6.9	0.8	-1.8	-0.4	6.4	-1.8	2.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-0.6	1.4	-0.8	4.6	-5.3	-0.2	1.9
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	3.1	0.4	-0.1	0.03	2.7	-0.4	0.9
	Pembuatan sebatian lemak masakan							
10405	Pembuatan minyak kelapa	3.1	-6.1	-20.1	0.4	-0.3	-0.3	2.9
	Industri lain	-1.1	1.8	-0.1	5.1	-6.1	-0.2	1.9
105	Pembuatan produk tenusu	1.9	3.2	-2.3	1.2	1.8	0.8	1.0
10502	Pembuatan susu pekat, tepung dan sejat	2.3	2.8	-1.4	1.1	2.1	1.9	-0.04
	Industri lain	-1.3	5.3	-7.8	1.8	0.1	-6.5	8.5
106	Pembuatan produk bijian, kanji dan produk berkanji	3.3	-2.2	0.5	p	2.4	-2.2	0.1
10611	Pengilangan beras	4.8	-2.8	3.3	1.3	5.8	-3.2	-0.3
10613	Pengilangan tepung	0.6	-1.9	-1.6	0.2	-2.3	-0.9	0.3
	Industri lain	12.4	0.2	-4.7	-2.0	12.9	-4.1	1.7
107	Pembuatan produk makanan lain	4.2	0.8	0.6	4.4	2.6	-0.4	1.9
10711	Pembuatan biskut dan cookies	-1.1	-1.5	7.2	8.8	-0.8	-2.7	2.5
10712	Pembuatan roti, kek dan produk bakeri lain	-3.6	2.3	0.9	1.4	-3.7	3.1	0.7
10713	Pembuatan produk snek	7.0	4.4	-2.9	2.0	6.2	-5.1	6.2
10721	Pembuatan gula	3.7	-4.4	1.7	6.2	7.8	-8.5	3.3
10731	Pembuatan produk koko	6.3	13.9	-6.1	7.1	0.4	4.2	1.4
10732	Pembuatan coklat dan produk coklat							
10733 & 10793	Pembuatan konfeksi gula	6.2	0.9	-2.4	3.8	6.3	-1.9	6.3
	Pembuatan sos dan bahan perasa	6.2	-2.5	6.5	10.4	-0.6	0.1	-0.7
10799	Pembuatan produk makanan lain t.t.t.l.	12.8	3.7	-1.9	7.4	5.0	0.3	0.7
	Industri lain	8.4	-1.0	-0.5	2.8	7.6	-1.5	1.8
108/10800	Pembuatan makanan haiwan tersedia	-1.0	-0.6	1.6	4.5	-13.4	0.2	-0.01
110	Pembuatan minuman ringan	-3.0	-7.3	-1.1	12.9	-7.0	-0.9	-4.0
11041	Pembuatan minuman ringan	-6.3	-5.9	0.6	15.5	-10.3	-0.3	-8.1
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	7.9	-5.2	-4.0	6.0	6.7	-1.9	5.1
	Industri lain	-5.6	-23.8	-5.8	12.9	-15.0	-3.2	1.4
120/12000	Pembuatan produk tembakau	-0.1	-15.7	-1.5	21.1	-16.7	7.1	-4.4
131	Pemintalan, penenunan dan penyiapan tekstil	-2.0	-1.7	-2.7	10.4	-3.6	-0.7	-2.3
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	-1.3	-0.9	-4.6	8.7	-0.9	-1.0	-3.3
	Penenunan tekstil							
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-3.5	-3.0	2.0	14.4	-9.8	0.4	-0.1
	Industri lain	-1.1	-6.9	-3.8	7.0	2.3	-2.4	0.6
139	Pembuatan tekstil lain	-1.2	-0.5	1.6	2.2	-0.6	-1.8	1.9
13910	Pembuatan fabrik dikait dan dikrusye	-8.8	3.7	4.1	4.7	-8.4	0.1	0.1
	Industri lain	2.9	-2.4	0.4	0.9	3.6	-2.8	2.7
141	Pembuatan pakaian, kecuali pakaian berbulu	-4.7	-7.6	-0.9	12.2	-5.5	-7.6	0.01
14102	Pembuatan pakaian	-6.1	-7.3	3.6	10.0	-7.4	-9.3	0.1
	Industri lain	-1.4	-8.4	-10.5	17.9	-1.1	-3.9	-0.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-3.7	-3.6	-13.0	7.3	-0.1	-9.8	0.4
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-2.0	-3.4	-4.3	11.3	-5.8	-0.2	-0.03
152	Pembuatan kasut	2.3	-6.7	-4.5	15.0	4.8	-4.6	-0.4
15201 & 15203	Pembuatan kasut kulit	1.4	-7.2	-4.3	17.9	6.0	-6.3	-1.2
	Pembuatan kasut getah							
	Industri lain	4.6	-5.3	-4.9	7.9	1.8	-0.1	1.4
161/16100	Pengilangan dan pengetaman kayu	-7.5	-6.2	4.5	4.8	-8.7	2.0	-5.4

(%)

2021							2022				Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
1.5	-0.4	-2.0	-1.4	0.3	1.2	-0.9	9.1	0.4	-0.5	-9.0	Processing and preserving of meat
-0.9	1.1	-2.1	1.1	-3.3	0.6	-0.1	-0.9	2.4	1.1	-4.5	Processing and preserving of fish, crustaceans and molluscs
											Canning of fish, crustaceans and molluscs
-0.6	1.5	-2.1	-0.6	-4.5	2.2	-0.5	-1.0	2.1	0.6	-3.8	Processing, curing and preserving of fish, crustacean and molluscs
-2.0	-0.5	-2.4	8.6	1.8	-6.0	1.5	-0.7	3.3	3.1	-7.1	Other industry
0.4	-0.01	0.1	-0.5	-6.9	0.8	-1.0	0.1	2.3	8.1	-0.3	Processing and preserving of fruits and vegetable
											Pineapple canning
0.7	5.7	2.6	-1.4	-49.0	0.7	0.1	-3.2	7.7	-5.8	11.4	Manufacture of jams, marmalades and table jellies
0.4	-0.6	-0.2	-0.4	-2.1	0.8	-1.1	0.4	2.0	8.9	-0.9	Other industry
1.3	-1.0	-1.3	4.3	-10.2	10.2	-0.2	-1.9	9.6	-4.6	-0.1	Manufacture of vegetable and animal oils and fats
											Manufacture of crude and refined vegetable oil
0.8	-1.1	-0.2	-1.3	3.0	-0.8	0.1	-0.9	0.2	2.7	0.1	Manufacture of compound cooking fats
-0.8	-0.3	-20.8	-7.9	0.3	5.5	-3.5	0.4	-0.1	11.1	1.7	Manufacture of coconut oil
1.4	-1.0	-0.5	5.2	-11.6	11.4	-0.1	-2.0	10.7	-5.6	-0.2	Other industry
3.5	-0.3	-3.3	-0.7	1.6	-0.9	-0.5	-1.9	9.3	3.0	1.3	Manufacture of dairy products
3.4	0.1	-3.4	0.3	1.4	-1.2	-0.6	-2.0	10.3	2.5	2.6	Manufacture of condensed, powdered and evaporated milk
4.6	-2.6	-2.3	-7.7	3.0	1.2	0.3	-1.6	2.3	7.2	-8.4	Other industry
-1.1	0.1	-1.4	2.2	-2.5	2.8	-0.5	-1.5	3.3	2.7	-4.0	Manufacture of grain mill products, starches and starch products
-0.5	-0.04	-3.0	3.2	0.4	5.8	-0.8	-2.6	-0.01	5.3	-4.91	Rice milling
-2.0	0.2	0.2	0.9	-4.0	-0.05	-0.4	-0.3	7.1	-0.9	-3.2	Flour milling
0.8	0.02	-0.8	3.5	-11.2	-0.1	2.0	-0.8	2.0	8.5	-3.2	Other industry
0.5	-0.3	-1.9	-0.2	0.7	5.0	0.0	1.3	-0.1	1.7	-1.4	Manufacture of other food products
-2.3	-0.04	0.2	3.5	2.8	4.7	2.7	3.6	-1.7	3.5	-4.0	Manufacture of biscuits and cookies
-0.2	2.8	-2.6	-0.2	1.1	3.4	0.3	1.2	-6.9	-3.9	-0.7	Manufacture of bread, cakes and other bakery products
2.2	-0.03	-0.1	-4.7	2.1	1.7	-0.8	-2.3	7.9	6.7	-9.8	Manufacture of snack products
-3.7	-0.6	1.8	0.2	-1.6	5.0	-2.8	8.2	2.4	1.8	4.4	Manufacture of sugar
31.4	-23.0	0.5	-1.4	2.8	7.4	-0.04	-1.0	5.9	10.2	-7.1	Manufacture of cocoa products
											Manufacture of chocolate and chocolate products
-1.7	0.01	-2.4	-1.9	-0.2	3.9	0.8	1.0	-0.4	6.6	0.4	Manufacture of sugar confectionery
-0.5	0.1	-5.0	-2.5	8.3	20.9	-5.7	2.2	-1.3	-8.8	-0.9	Manufacture of sauces and condiments
5.3	-0.8	-4.7	3.9	-4.4	2.3	2.0	4.8	6.1	5.8	1.0	Manufacture of other food products n.e.c.
-1.0	-0.9	-0.6	-0.3	-0.8	3.1	0.5	-0.5	2.7	4.8	-1.1	Other industry
-0.9	0.5	-0.3	6.0	-6.4	0.2	0.3	0.1	18.9	-13.6	-0.2	Manufacture of prepared animal feeds
1.4	-6.6	-4.1	-1.0	3.3	8.9	-0.3	5.6	6.5	-7.2	1.1	Manufacture of beverages
2.6	-2.5	-3.5	-0.4	1.0	11.0	0.04	6.7	8.5	-10.4	1.9	Manufacture of soft drinks
-0.2	-9.8	-3.4	-2.1	4.1	3.8	-0.5	3.7	0.3	4.3	-1.4	Production of natural mineral waters and other bottled waters
-3.1	-27.2	-12.9	-2.7	25.6	7.4	-2.4	0.9	7.3	-11.8	2.4	Other industry
-14.0	0.3	-4.2	-0.1	-3.4	11.1	4.4	0.4	27.3	-16.4	6.7	Manufacture of tobacco products
-0.5	3.0	-4.1	0.3	-2.7	2.0	4.2	5.4	5.2	-3.4	-0.3	Spinning, weaving and finishing of textiles
											Preparation and spinning of textile fibres
-0.2	5.5	-4.6	0.9	-8.3	4.7	4.1	5.2	2.4	-0.7	0.8	Weaving of textiles
-0.9	-2.5	-1.6	-0.3	8.1	-3.1	5.2	6.3	11.6	-9.5	-2.5	Dyeing, bleaching, printing and finishing of yarns and fabrics
-1.6	2.1	-18.8	-11.9	38.2	-0.9	-2.8	0.5	0.9	4.9	-2.3	Other industry
-1.3	2.3	-3.8	1.0	3.9	-0.2	0.9	-0.2	1.0	-4.5	-3.1	Manufacture of other textiles
-1.8	9.2	-1.7	0.03	4.2	-1.4	3.9	-0.4	1.8	-13.7	0.4	Manufacture of knitted and crocheted fabrics
-1.0	-1.0	-4.9	1.5	3.7	0.4	-0.7	-0.1	0.6	0.6	-4.8	Other industry
-0.02	0.5	-16.1	11.6	0.03	0.1	-0.3	12.6	11.0	-4.7	-6.8	Manufacture of wearing apparel, except fur
0.01	3.5	-18.8	18.3	-0.1	-0.1	-0.9	9.7	12.5	-7.6	-8.4	Manufacture of clothings
-0.1	-5.8	-9.8	-2.4	0.5	0.3	1.0	19.8	7.7	2.0	-3.3	Other industry
2.1	0.3	-7.9	1.1	-15.5	4.1	-2.3	16.1	6.8	7.4	-15.1	Manufacture of articles of fur, knitted and crocheted apparel
											Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-1.1	-0.1	-6.7	-8.0	9.8	6.8	2.9	1.3	-1.0	-0.5	-3.3	Manufacture of footwear
-0.02	-3.6	-7.7	-5.4	9.8	4.0	6.7	1.4	3.1	1.7	-0.9	Manufacture of leather footwear
0.4	-3.8	-7.0	-6.8	12.5	2.4	9.5	1.0	4.2	0.8	-1.6	Manufacture of rubber footwear
-1.1	-3.2	-9.3	-2.1	3.5	7.8	0.0	2.2	0.2	4.3	0.8	Other industry
-0.1	-3.0	-3.9	6.3	-0.4	6.6	-0.1	-0.6	3.3	-5.3	1.5	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	3.3	-2.2	5.4	6.5	3.8	-3.1	0.9
16211	Pembuatan kepingan venier dan papan lapis	-1.1	-3.2	11.3	9.3	-0.7	-1.6	0.4
16212	Pembuatan papan partikel dan papan gentian	3.1	3.0	2.2	12.5	2.6	-3.6	2.4
16221	Pertukangan kayu untuk jurubina	12.2	-0.7	-1.2	-0.9	11.5	-0.5	0.2
	Industri lain	5.4	-5.0	0.5	2.7	8.5	-9.8	2.4
170	Pembuatan kertas dan produk kertas	1.8	-0.6	-1.4	4.6	0.2	0.2	2.6
17010	Pembuatan pulpa, kertas dan kertas tebal	-2.1	0.9	4.2	11.8	-0.5	0.8	1.1
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	1.3	2.6	-4.4	3.5	-0.2	-1.1	6.5
17091	Pembuatan sampul surat dan kad surat	3.8	3.6	0.9	-1.5	-0.8	5.8	-0.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	1.4	1.4	-3.1	2.2	2.6	-0.3	-0.5
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-3.3	-13.9	5.3	3.7	-2.7	-1.8	0.3
	Industri lain	18.6	1.4	-3.4	5.9	3.4	7.0	-0.3
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	5.8	-1.9	-7.7	6.2	-0.3	-4.4	2.3
18110	Percetakan	5.2	-0.6	-8.0	6.2	-0.6	-5.1	2.6
18120	Aktiviti perkhidmatan berkaitan percetakan							
&		9.0	-8.4	-6.0	6.4	1.3	-0.9	0.5
18200	Penerbitan semula media rakaman							
192	Pembuatan produk petroleum bertapis	-0.03	-15.4	8.2	9.9	-10.6	-2.9	16.6
(19201 & 19202)								
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5.2	-2.2	5.4	-2.8	-2.2	1.5	4.0
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	14.3	1.0	2.7	2.9	18.5	-1.8	1.8
20112	Pembuatan kimia organik asas							
&		5.7	-2.4	9.5	-4.3	-2.2	1.8	1.1
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja							
&		10.5	-5.6	0.7	-9.8	-0.3	2.9	11.2
20129	Pembuatan produk campuran nitrogen							
20131	Pembuatan plastik dalam bentuk primer	0.03	-1.6	1.9	1.3	-7.3	0.7	7.4
	Industri lain	4.9	1.7	-3.8	0.8	-4.3	5.1	0.3
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.5	-8.2	-4.8	8.6	-4.6	0.2	2.9
20210	Pembuatan racun perosak dan produk agrokimia lain	34.1	-3.4	-2.2	-4.8	33.9	-9.9	11.2
20221	Pembuatan cat, varnis dan penyadur dan mastik	8.6	-10.6	0.3	5.8	15.3	-18.7	2.9
20222	Pembuatan dakwat cetak	0.2	-12.6	-6.7	2.7	-7.6	-1.4	12.2
20231	Pembuatan sabun dan bahan pencuci, penyediaan							
&	membersih dan mengilat	2.2	-13.2	-6.1	4.8	-12.5	7.6	0.8
20232	Pembuatan pewangi dan penyediaan dandanan diri							
20291	Pembuatan plat fotografi, filem, sensitized paper dan other							
&	sensitized unexposed materials							
20292	Pembuatan dakwat menulis dan melukis	0.6	-0.9	-5.7	20.5	-10.4	5.0	-0.05
&								
20299	Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	2.0	2.2	-4.1	-0.3	-0.5	-0.6	-0.5
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.9	8.9	1.7	3.0	-10.1	0.2	-0.4
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-2.6	8.7	-0.7	6.1	-10.3	-0.004	-0.4
	Industri lain	1.2	9.8	11.3	-8.2	-9.1	0.8	-0.6
221	Pembuatan produk getah	-6.2	15.3	4.9	-9.9	-6.1	-6.6	2.0
22111	Pembuatan tayar getah untuk kenderaan	-7.9	17.7	-1.4	-5.8	-1.0	-12.1	19.3
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.1	7.2	-4.2	3.4	3.0	-7.6	24.3
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	4.5	5.1	1.4	-6.8	-0.3	0.5	5.2
&								
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	-12.9	32.4	11.2	-15.8	-11.0	-8.5	-1.7
22199	Pembuatan produk getah lain yang t.t.t.l.	1.9	-13.0	-7.7	6.0	-1.2	-5.6	-0.7
222	Pembuatan produk plastik	0.3	6.3	-6.3	0.8	-1.5	0.4	5.5
22201	Pembuatan produk plastik separa siap							
&		-4.7	7.6	-6.8	0.9	-5.4	4.7	1.8
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	2.9	14.0	-7.2	0.8	0.0	-6.6	21.6
22204	Pembuatan barangan plastik jurubina	5.3	1.4	-15.7	7.4	4.1	-3.8	8.7
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.9	1.5	-1.3	2.1	0.3	0.2	5.0
22209	Pembuatan pelbagai produk plastik t.t.t.l.	3.1	2.1	-6.1	0.1	0.9	0.5	0.8
231	Pembuatan kaca dan produk kaca	8.7	6.4	-1.9	13.4	2.5	0.1	1.8
(23101 & 23102 & 23109)								

2021							2022				Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.8	0.1	-3.1	4.0	1.8	6.5	0.4	0.7	2.0	0.7	-2.5	Manufacture of products of wood, cork, straw and plaiting materials
-3.1	1.3	-2.1	6.1	2.8	11.6	-0.3	-0.1	3.7	-5.5	-1.9	Manufacture of veneer sheets and plywood
-1.8	8.2	-2.6	-2.2	1.6	7.7	1.4	7.6	-0.2	6.3	-1.4	Manufacture of particle board and fibreboard
3.8	-3.8	-5.6	5.0	-1.3	0.2	0.8	-3.6	3.1	7.1	-1.5	Manufacture of builders' carpentry
0.2	-3.5	-3.0	2.1	3.2	-1.2	1.1	3.4	-2.7	7.9	-6.7	Other industry
-0.8	-2.5	0.0	-2.5	1.1	3.8	0.9	1.1	0.2	-0.05	2.1	Manufacture of paper and paper products
-3.2	3.9	1.4	1.1	-1.4	5.4	7.2	4.5	-5.3	1.3	0.5	Manufacture of pulp, paper and paperboard
-1.5	-0.1	0.9	-8.8	5.0	2.5	0.2	0.3	-0.3	2.0	-5.1	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.5	4.2	-0.4	0.8	-1.3	-0.6	-0.8	0.4	-0.3	-3.9	-6.9	Manufacture of envelopes and letter-card
10.2	-13.3	4.6	-1.3	-2.7	5.9	-0.3	-0.6	-0.04	-4.0	30.4	Manufacture of household and personal hygiene paper
-9.2	-5.2	-4.1	9.3	-2.5	7.8	-0.9	0.3	0.5	-6.4	0.7	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.2	1.9	-6.1	-1.0	2.0	-0.8	0.2	3.3	9.9	6.0	-5.3	Other industry
-1.6	1.8	-4.3	-3.9	0.4	-5.8	3.0	4.4	12.4	-1.2	-4.7	Printing, service activities related to printing and reproduction of recorded media
-0.9	2.5	-4.0	-4.2	-0.01	-6.4	3.2	4.8	12.8	-2.3	-4.8	Printing
-5.3	-2.0	-5.8	-2.1	2.4	-2.8	2.2	2.7	10.3	4.3	-4.2	Service activities related to printing
											Reproduction of recorded media
-24.9	-0.8	10.5	-2.6	-0.6	14.3	-0.6	-4.8	15.1	-10.8	-0.7	Manufacture of refined petroleum products
-5.8	-4.6	11.9	-0.2	-0.4	-0.1	-3.5	-2.1	7.2	-2.4	1.7	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-0.2	-2.4	6.8	-1.6	2.4	-2.5	0.5	4.8	0.1	20.6	2.3	Manufacture of liquefied or compressed inorganic industrial or medical gases
-4.2	-8.5	20.5	0.2	-2.0	3.1	-5.7	-3.6	8.0	0.1	0.7	Manufacture of basic organic chemicals
											Manufacture of inorganic compounds
-14.7	-0.4	8.0	-2.0	2.3	-11.0	-2.8	-5.3	10.2	-9.9	10.2	Manufacture of fertilizers
-6.8	-0.3	2.3	0.7	0.2	-0.9	-0.7	0.2	7.0	-11.3	-0.2	Manufacture of associated nitrogen products
0.8	-0.1	-2.3	-4.9	4.1	0.1	-0.3	-2.7	4.6	5.7	4.7	Manufacture of plastics in primary forms
											Other industry
-8.2	-2.0	-1.9	-2.8	-1.9	3.5	1.3	2.0	11.9	-4.5	-1.2	Manufacture of other chemical products and man-made fibres
-6.1	0.4	-2.6	2.1	-5.8	3.9	-6.6	5.7	-6.8	21.6	-10.2	Manufacture of pesticides and other agrochemical products
-2.6	-2.9	-3.8	6.2	-5.6	5.1	0.3	1.0	10.1	14.8	-11.2	Manufacture of paints, varnishes and similar coatings ink and
-10.4	-12.3	-2.9	0.2	-1.0	0.3	-0.4	3.5	2.9	-7.4	-2.1	Manufacture of printing ink
-15.8	1.4	-2.7	-5.4	-2.3	6.8	-4.6	0.1	18.1	-10.7	9.4	Manufacture of soap and detergents, cleaning and polishing preparations
											Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-0.9	-2.5	0.2	-5.9	1.0	0.8	11.6	2.8	15.1	-10.8	-3.7	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
-0.4	6.8	-3.7	-4.7	3.9	-4.8	0.0	3.8	-2.4	5.7	0.7	Other industry
12.6	-4.7	0.2	1.5	3.4	-1.7	1.7	-5.6	15.9	-10.3	-2.3	Manufacture of pharmaceuticals, medicinal chemical and botanical products
12.5	-5.3	1.3	-2.1	4.5	-1.6	3.5	-5.7	18.6	-12.5	-3.5	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
13.3	-2.3	-4.4	16.7	-0.3	-2.2	-5.1	-5.1	5.4	-0.1	2.2	Other industry
2.8	10.5	17.0	-5.8	-0.9	-5.5	-3.6	-6.0	4.5	-4.9	-3.9	Manufacture of rubber products
0.1	15.5	-2.5	-0.8	-4.3	-1.8	-2.4	-2.9	3.5	-5.6	-12.4	Manufacture of rubber tyres for vehicles
-0.4	-1.9	-8.3	-1.8	3.8	4.8	1.9	-2.6	-3.5	3.1	-7.9	Manufacture of interchangeable tyre treads and retreading rubber tyres
0.4	2.5	-1.7	1.4	-0.2	1.6	-8.0	-4.1	9.8	-3.1	0.8	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
5.2	26.5	32.1	-9.2	-0.7	-10.0	-3.9	-9.2	1.5	-6.2	-5.0	Rubber remilling and latex processing
1.2	-18.2	0.8	-1.5	-0.7	2.0	0.6	1.2	10.6	-3.7	-1.1	Manufacture of rubber gloves
											Manufacture of other rubber products n.e.c.
3.3	2.3	-6.7	-4.2	2.5	-0.03	0.3	-0.8	0.8	-2.4	-1.1	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
5.1	4.9	-10.4	-4.9	6.5	-1.1	0.2	0.7	-3.2	-4.8	1.3	Manufacture of finished plastic products
3.5	1.3	-4.9	-4.8	1.6	-1.6	0.9	-1.0	3.2	-3.1	-7.2	Manufacture of plastic articles for the packing of goods
0.5	0.5	-10.6	-8.9	-2.6	4.5	1.2	2.7	6.3	0.7	-5.5	Manufacture of builders' plastics ware
-1.2	1.9	-5.5	-3.7	8.3	0.9	0.6	-5.1	5.4	-1.5	0.8	Manufacture of plastic tableware, kitchenware and toilet articles
2.4	0.5	-4.1	-3.0	-1.7	1.7	-0.2	-1.4	2.3	0.1	0.1	Manufacture of diverse plastic products n.e.c.
2.7	4.6	-2.0	-2.6	-6.4	15.8	3.4	-1.8	9.5	-0.3	-5.6	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-1.0	-0.2	-3.3	4.4	-1.8	-2.6	3.6
23911	Pembuatan mortar refraktori dan konkrit							
&		-6.0	-1.0	-1.5	-8.0	-2.2	-8.9	5.4
23921	Pembuatan seramik bukan refraktori							
23930	Pembuatan produk porselin dan seramik lain	-1.9	-7.3	-1.8	6.0	5.0	-11.7	2.4
23941	Pembuatan simen hidrolik	0.05	6.0	-11.0	3.8	-11.0	-5.2	8.3
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	2.7	0.8	-1.6	4.6	0.5	-3.6	8.1
23952	Pembuatan konkrit pratuangan, simen atau artikel batu							
&	buatan yang digunakan dalam pembinaan;							
23953	Pembuatan komponen struktur pasang siap untuk	-1.3	-1.6	-2.4	3.5	0.4	2.5	-0.1
&	bangunan atau kejuruteraan awam dari simen, batu atau							
23959	konkrit buatan							
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.							
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-2.0	-4.5	0.001	14.9	-5.3	-3.0	-0.9
	Industri lain	0.1	8.7	-9.1	5.8	-2.9	-4.2	9.9
241 (24101 &								
24102 &								
24103 &								
24104 &								
24109)								
242 (24201 &								
24202 &								
24209)								
243	Pengacuan logam	3.1	-5.6	-1.1	5.9	-1.4	-0.02	4.3
251 &	Pembuatan produk struktur logam, tangki, takungan, penjana wap,	-0.3	-7.0	-0.3	5.2	-0.6	-1.5	0.4
252	senjata dan peluru							
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap							
&	dan pintu pagar daripada logam	-5.9	-9.9	-4.1	4.6	-3.1	-5.8	0.1
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada	4.8	-1.9	10.0	6.5	-1.0	6.5	-0.2
	logam							
	Industri lain	16.5	-6.4	-10.4	3.6	14.1	-0.8	3.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti	2.1	-5.6	0.3	9.8	-0.7	-2.2	-3.1
	perkhidmatan kerja logam							
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam;	3.2	-2.7	-0.9	5.2	-0.4	-5.5	-1.8
	serbuk metalurgi							
25920	Rawatan dan penyalutan logam; menggunakan mesin	5.1	-3.5	-8.1	10.1	-3.7	1.1	-3.0
25991	Pembuatan tin untuk produk makanan dan minuman, tiub	-3.8	-9.8	4.6	18.9	-4.1	-0.2	-12.3
	dan kotak boleh dilipat							
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan							
&	artikel seumpamanya daripada logam	5.2	-8.4	10.1	18.9	1.1	2.0	-1.0
25993	Pembuatan bolt, skru, nat dan produk uliran							
	seumpamanya							
25994	Pembuatan barangan rumah daripada logam	6.8	-3.1	-11.6	-3.3	6.3	3.9	0.9
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	4.4	-4.0	-3.0	3.6	1.5	-1.1	-2.8
	Industri lain	-13.0	-8.3	-0.7	1.9	-4.3	-18.6	0.0
261	Pembuatan komponen dan papan elektronik	7.2	-3.2	-4.8	9.1	-2.2	6.8	-7.9
26101	Pembuatan diod, transistor dan alatan semikonduktor							
&	yang seumpamanya	7.7	0.2	-4.0	6.9	-2.0	6.2	-4.5
26102	Pembuatan litar elektronik bersepadu dengan							
	pasangan mikro							
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	8.1	-9.5	-6.2	14.8	-2.1	9.4	-14.9
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	-6.0	-8.2	-7.9	4.4	-4.5	-3.6	-4.2
262 (26201 &								
26202)								
263/ 26300	Pembuatan peralatan komunikasi	-1.5	12.5	-6.9	14.3	12.4	-9.4	10.3
264/ 26400	Pembuatan peralatan elektronik pengguna	-9.2	-3.2	1.1	13.7	-1.9	-19.2	5.0
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan	-0.3	-1.9	2.9	13.7	-5.9	-5.7	3.1
	kawalan; jam tangan dan jam							
26511	Pembuatan kelengkapan mengukur, menguji, memandu							
&	arah dan kawalan	0.5	-2.4	3.4	13.9	-4.7	-6.6	3.6
26512	Pembuatan kelengkapan kawalan proses perindustrian							
26520	Pembuatan jam tangan dan jam dan bahagiannya	-7.4	2.9	-1.1	11.8	-16.6	4.5	-0.9
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan	20.4	15.0	-1.1	-7.8	18.1	5.0	18.1
	elektroterapeutik							

2021						2022					Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-0.3	1.1	-6.1	-0.3	0.4	1.8	0.3	2.5	2.8	-2.2	-2.2	Manufacture of non-metallic mineral products
											Manufacture of refractory mortars and concretes
0.6	0.0	-5.9	2.0	0.6	0.7	-0.05	-14.8	4.9	-12.5	-0.6	Manufacture of non-refractory ceramic
-8.8	9.0	-4.1	-5.3	4.2	2.5	1.8	-2.7	8.8	-0.3	9.9	Manufacture of other porcelain and ceramic products
5.0	-0.5	-6.6	-7.2	-0.5	2.7	0.03	0.2	5.8	2.4	-12.1	Manufacture of hydraulic cement
-4.4	3.3	-2.3	-0.4	-1.7	1.1	-0.1	2.6	8.2	-3.6	-3.5	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
-0.5	2.0	-9.5	3.6	-0.5	1.2	-0.2	9.3	-8.9	3.6	-0.8	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
-7.8	9.5	-2.7	-4.3	2.6	4.6	2.2	2.0	20.0	-10.5	-2.3	Manufacture of other non-metallic mineral products n.e.c.
16.9	-14.3	-6.5	-2.7	3.8	2.0	0.3	1.4	5.7	-0.7	-2.6	Other industry
-5.5	-4.1	-2.0	-4.4	2.0	9.4	-0.1	2.1	13.1	-1.8	-2.3	Manufacture of basic iron and steel
-4.6	5.0	-3.6	-3.3	-1.1	5.6	2.8	-1.8	9.7	-3.3	-1.7	Manufacture of basic precious and other non-ferrous metals
-6.5	-0.6	-4.4	-1.4	2.7	5.2	0.7	-0.01	2.5	-0.9	0.7	Casting of metals
-3.9	-0.4	-8.1	5.6	-2.9	6.3	1.3	0.3	1.6	1.6	-4.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
-3.1	-1.2	-13.1	5.4	-1.7	5.2	0.6	0.2	3.1	1.4	-6.4	Manufacture of other structural metal products
											Manufacture of tanks, reservoirs and containers of metal
-4.9	1.7	0.2	9.7	-4.3	7.8	2.5	0.6	-0.4	0.7	-0.8	Other industry
-4.3	-2.3	-7.2	-4.6	-3.7	6.5	0.6	-0.4	1.0	5.1	-3.8	Other industry
-2.7	1.1	-2.4	-1.9	1.1	8.6	0.6	1.0	7.0	-2.2	-3.0	Manufacture of other fabricated metal products; metal working service activities
0.1	1.1	-1.2	-1.2	0.7	0.8	0.7	-0.3	11.6	-7.6	0.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-3.7	4.2	-2.6	-7.9	-0.9	2.3	1.9	3.7	12.4	-5.3	1.6	Treatment and coating of metals; machining
0.3	-2.5	0.2	-2.4	5.4	12.2	1.7	8.7	2.4	-8.8	-2.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
											Manufacture of metal cable, plaited bands and similar articles
-10.0	3.5	-1.8	-0.9	1.2	30.6	-0.7	-0.2	2.4	2.0	-2.9	Manufacture of bolts, screws, nuts and similar threaded products
-0.3	-0.1	-13.4	1.6	-3.9	-4.6	-0.2	1.1	2.0	-0.1	-7.3	Manufacture of metal household articles
-0.04	-0.6	-3.9	-1.9	2.2	0.9	0.4	-1.4	8.6	3.0	-2.7	Manufacture of any other fabricated metal products n.e.c.
0.1	-0.9	-2.7	4.4	-3.4	-1.6	1.6	0.7	6.4	-2.9	-23.2	Other industry
-0.5	0.03	1.7	-6.3	0.1	1.3	1.9	1.3	15.4	-5.9	3.9	Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
-1.0	0.1	6.9	-9.5	2.5	-0.6	0.3	1.7	14.8	-7.4	1.9	Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
0.8	-0.2	-7.8	0.9	-5.0	5.2	5.8	0.8	18.2	-4.1	8.9	Manufacture of printed circuit boards
											Manufacture of display components
-1.1	-0.04	-9.9	-2.1	-1.4	5.7	0.3	-0.6	3.8	7.0	-4.1	Manufacture of other components for electronic applications
-6.0	-0.1	0.5	-4.2	4.2	14.0	0.2	-10.9	18.2	-7.3	-3.8	Manufacture of computers and peripheral equipment
19.5	-15.8	6.5	-8.5	4.4	2.1	0.5	17.9	-3.2	3.2	-0.7	Manufacture of communication equipment
1.9	0.3	-3.2	-5.9	10.1	8.0	4.9	-2.1	4.1	8.2	-5.2	Manufacture of consumer electronics
-0.3	0.2	-5.3	2.4	5.5	1.7	0.6	6.7	15.3	-6.1	2.3	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
-0.5	0.1	-5.9	2.9	6.0	1.8	0.7	6.5	15.1	-6.4	3.3	Manufacture of industrial process control equipment
1.0	1.4	0.2	-2.3	0.6	0.8	-0.7	8.4	17.2	-3.0	-7.9	Manufacture of watches and clocks and parts
-1.3	0.6	7.9	-3.8	-2.4	-2.2	-0.4	0.9	-17.4	16.8	-0.5	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2021						
		Q1	Q2	Q3	Q4	Jan.	Feb.	Mac
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5.1	-7.8	-2.7	9.6	-0.4	-0.9	3.2
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-0.6	-13.2	9.3	7.6	-3.7	-3.2	-7.1
	27101 Pembuatan motor elektrik, penjana dan transformer	-6.7	8.6	9.9	2.0	-1.8	-8.5	-1.9
	27102 Pembuatan perkakasan pengagihan dan pengawalan	2.1	-22.3	9.0	10.9	-4.5	-1.0	-9.1
272/ 27200	Pembuatan bateri dan akumulator	-11.3	8.3	14.1	-3.2	0.1	-17.8	-0.1
273	Pembuatan pendawaian dan peranti pendawaian	3.0	-2.0	4.2	9.1	-2.6	0.4	-9.6
	27310 Pembuatan kabel gentian optikal	-31.3	11.8	30.0	45.3	-38.3	5.4	-1.1
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	5.8	-2.8	2.3	6.8	0.1	0.01	-10.2
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.4	1.8	11.7	-1.8	2.4	4.0	-4.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	21.5	12.7	16.3	1.0	22.1	-7.0	-0.4
275/ 27500	Pembuatan perkakasan domestik	-0.3	-17.9	-13.9	-9.2	-3.8	-0.01	0.1
279/ 27900	Pembuatan kelengkapan elektrik lain	-5.3	2.5	2.0	13.9	-3.0	-2.2	-7.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	1.6	-6.4	-0.7	7.8	-3.0	-0.01	-6.9
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-9.8	-6.8	-0.1	11.2	-23.1	-0.3	-0.1
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	4.6	-9.2	3.0	13.3	0.4	-2.5	-12.5
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-0.2	-4.0	4.4	-1.2	-1.5	-0.6	-0.7
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	5.3 2.2	-5.4 -6.1	-6.0 -2.9	11.5 6.8	-0.8 -1.3	-0.5 1.7	-8.2 -7.2
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1.8	1.5	-3.7	14.2	-8.6	2.9	-8.4
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	4.4	7.3	-0.02	6.0	-2.9	0.4	13.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-1.7	-2.9	-8.6	8.8	-8.4	2.4	-3.5
301 (30110 & 30120)	Pembinaan kapal dan bot	8.4	-10.3	-8.6	2.7	-0.1	2.2	19.9
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	7.5	-1.5	-5.4	5.2	3.8	2.3	2.4
	30910 Pembuatan motosikal	13.5	1.7	-4.9	7.8	7.5	2.8	7.4
	30920 Pembuatan basikal dan invalid carriages	1.2	-7.9	-7.7	-4.3	0.5	-1.1	-3.3
	Industri lain	-0.3	-4.2	-4.9	5.2	-1.6	3.6	-4.8
310	Pembuatan perabot	0.9	-6.3	1.4	9.7	0.9	-0.5	-3.1
	31001 Pembuatan perabot kayu dan rotan	-0.5	-6.3	3.2	11.2	-0.2	-0.5	-4.0
	Industri lain	5.4	-6.2	-4.1	4.6	4.5	-0.5	-0.3
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	2.1	-9.1	-4.8	16.6	-5.2	-1.1	-5.1
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5.3	-3.2	-0.3	3.8	1.2	1.4	-1.6
	32901 Pembuatan alat tulis	5.5	-1.4	0.3	4.2	2.8	-0.3	0.6
	Industri lain	5.2	-3.6	-0.4	3.7	0.7	1.8	-2.2
323/ 32300	Pembuatan barangan sukan	5.2	-7.2	-0.3	6.4	4.9	-1.3	-0.7
324/ 32400	Pembuatan permainan dan mainan	-23.3	7.2	43.5	18.7	-36.3	1.7	-1.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.0	-4.0	-3.5	10.8	0.5	-0.7	1.4
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	3.1	-8.3	-2.0	4.5	1.2	-1.4	1.3
	Industri lain	1.7	-2.8	-4.0	12.6	0.3	-0.5	1.5
Jumlah Pembuatan		2.0	-1.9	-1.2	5.8	-2.4	-0.6	0.03

2021							2022				Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	
-8.2	-2.2	0.7	-5.5	3.3	3.1	-0.1	2.6	13.7	-5.1	0.2	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-15.7	12.1	3.6	-0.2	3.2	3.0	0.4	1.9	7.8	-5.5	-4.0	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
5.2	7.2	8.6	-0.2	2.8	0.3	-0.2	-0.1	3.4	-3.0	-8.7	Manufacture of electric motors, generators and transformers
-24.7	15.1	0.8	-0.2	3.5	4.7	0.8	3.1	10.3	-6.8	-1.5	Manufacture of electricity distribution and control apparatus
1.2	19.0	5.5	-0.1	9.7	-5.4	-0.2	-3.5	0.04	2.5	1.7	Manufacture of batteries and accumulators
0.3	5.7	2.0	-1.9	1.8	5.2	1.7	-2.9	15.8	-6.0	-2.0	Manufacture of wiring and wiring devices
-2.0	15.3	7.2	-3.8	5.0	57.7	-0.2	5.2	14.4	-33.6	-1.3	Manufacture of fibre optic cables
0.9	4.9	1.0	-1.7	1.7	2.1	1.9	-3.9	16.8	-3.5	-2.3	Manufacture of other electronic and electric wires and cables
-10.6	12.7	19.2	-2.6	0.004	-3.8	0.3	2.4	-3.4	7.0	2.6	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
3.7	6.2	21.3	-0.1	1.7	-0.7	-0.9	-1.6	8.8	8.1	-10.0	Manufacture of electric lighting equipment
-27.1	22.7	-6.4	-6.2	-9.0	-13.4	1.9	-0.9	6.9	3.7	-1.5	Manufacture of domestic appliances
9.9	0.2	-4.0	-0.4	3.8	7.6	-0.6	0.4	22.8	-7.2	-0.7	Manufacture of other electrical equipment
-0.8	-0.1	-2.5	-1.2	2.5	1.6	1.4	1.7	9.4	-2.3	-0.9	Manufacture of general-purpose and special-purpose machinery
											Manufacture of fluid power equipment
-3.3	-4.6	-1.4	-0.2	3.4	1.0	-1.3	1.5	28.7	-19.1	-5.4	Manufacture of other pumps, compressors, taps and valves
											Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
1.0	-0.9	-0.1	0.04	0.4	9.3	0.2	5.9	7.5	-13.5	5.8	Manufacture of metal-forming machinery and machine tools
-8.8	9.0	-0.04	-4.0	12.2	-6.1	-0.6	1.2	-2.7	0.8	5.1	Manufacture of air-conditioning machines, including for motor vehicles
7.7	-9.1	-2.3	-1.4	-0.5	1.2	2.8	0.0	23.3	-3.9	1.3	Manufacture of other special-purpose machinery
-0.8	0.8	-4.7	-0.8	0.6	1.2	3.0	0.2	7.5	7.2	-5.9	Other industry
8.0	0.3	-4.1	-3.8	2.2	4.2	3.6	3.4	12.4	-8.0	2.4	Manufacture of motor vehicles
-0.1	0.1	-4.0	-0.3	0.5	8.2	0.4	-1.1	2.6	-6.0	4.0	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
4.7	-7.3	-2.9	-7.3	1.7	6.3	0.8	0.8	7.9	-8.1	2.3	Manufacture of parts and accessories for motor vehicles
-16.0	-7.6	-2.3	-3.4	-2.2	0.8	0.6	1.6	3.7	-0.7	1.3	Building of ships and boats
-0.2	-0.8	-9.1	-0.4	-0.9	6.9	1.3	0.9	-2.6	3.5	3.6	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-0.2	-2.2	-6.7	0.6	-4.7	9.3	2.1	3.3	-2.9	3.0	3.4	Manufacture of motorcycles
0.2	0.1	-17.3	-7.3	21.7	-2.9	-0.2	-8.9	-7.0	9.2	1.8	Manufacture of bicycles and invalid carriages
-0.4	2.1	-9.4	1.7	-5.1	8.3	0.3	1.4	0.9	1.7	5.2	Other industry
-3.3	1.1	-4.7	-1.2	1.0	14.4	-0.7	0.1	2.4	2.1	-1.9	Manufacture of furniture
-3.4	1.5	-3.6	-0.9	0.6	17.0	-0.6	-0.4	3.4	2.5	-1.9	Manufacture of wooden and cane furniture
-3.0	-0.2	-8.2	-2.0	2.5	6.2	-1.0	1.6	-1.1	0.6	-1.6	Other industry
-2.7	-1.6	-5.5	-1.3	-4.0	10.7	0.7	1.3	26.5	-8.6	-4.8	Manufacture of jewellery, bijouterie and related articles
-2.4	-0.3	0.2	-0.4	-0.3	1.2	0.7	1.1	5.0	-1.6	-0.8	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.3	0.5	-5.1	2.7	0.9	1.1	2.4	-0.2	2.4	0.1	0.4	Manufacture of stationery
-2.9	-0.5	1.6	-1.3	-0.7	1.2	0.2	1.4	5.7	-2.0	-1.2	Other industry
-5.3	-0.2	-3.3	-4.1	5.6	7.7	0.9	-4.2	4.6	0.4	-3.3	Manufacture of sports goods
-1.3	-0.03	26.6	8.3	19.6	2.3	2.8	1.4	19.5	-22.7	2.6	Manufacture of games and toys
1.1	-5.7	-6.0	1.9	0.2	1.7	6.8	4.2	-0.9	0.2	-1.1	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-3.5	-5.5	-5.0	3.5	-1.2	2.5	-0.6	7.7	-3.5	0.3	2.5	Repair and maintenance of transport equipment except motorcycles and bicycles
2.4	-5.8	-6.3	1.5	0.6	1.5	8.9	3.4	-0.2	0.1	-1.9	Other industry
-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	7.8	-3.2	-0.8	Total Manufacturing

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	2017	2018	2019	2020	2021		
							Jan.	Feb.
Ikan tin Canned fish	Tan Tonne	11,001	9,743	7,245	6,970	6,224	564	602
Ikan segar sejuk beku Frozen fish	Tan Tonne	16,344	16,671	17,304	16,658	15,032	1,198	1,381
Bebola ikan Fish ball	Tan Tonne	17,860	15,987	13,093	6,190	6,716	480	413
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	8,858	4,749	5,908	6,679	6,047	556	451
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	20,233	22,573	22,817	19,460	16,140	1,453	1,453
Jem (semua jenis) Jams (all types)	Tan Tonne	11,423	10,488	8,335	7,376	8,082	720	862
Minyak kelapa mentah Coconut (copra) oil and its fraction crude oil	Tan Tonne	14,307	27,643	21,220	15,593	16,721	1,528	1,240
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	42,113	61,944	78,779	49,268	61,883	4,408	3,004
Lemak doh/shortening Dough fats/shortening	Tan Tonne	206,366	269,057	219,212	191,050	184,620	15,516	13,238
Marjerin Margerine	Tan Tonne	77,824	62,129	60,181	58,569	61,332	4,969	4,474
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	547,656	558,317	574,483	423,403	406,788	23,110	29,151
Susu pekat manis Sweetened condensed milk	Tan Tonne	138,199	147,746	209,591	321,036	405,676	33,691	27,158
Minuman susu Milk drinks	Liter ('000) Litres ('000)	140,303	132,687	95,096	93,369	83,078	6,644	5,803
Beras Whole rice	Tan Tonne	631,952	665,032	629,970	679,152	710,685	50,259	63,954
Beras hancur Broken rice	Tan Tonne	50,279	65,664	64,415	65,748	73,238	5,674	6,558
Tepung gandum Wheat flour	Tan Tonne	998,163	949,149	901,834	862,885	993,335	78,053	80,391
Roti dan kek Bread and cakes	Tan Tonne	365,620	388,984	407,173	411,561	479,951	40,753	49,501
Mee dan bihun Mee and bihun	Tan Tonne	233,567	222,631	221,766	234,890	249,484	23,200	22,475
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	106,335	89,803	96,079	98,393	80,711	9,056	8,199
Kelapa kering Desiccated coconuts	Tan Tonne	5,655	3,828	3,133	3,208	4,259	255	265
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,363,180	2,339,642	2,347,398	2,043,813	1,958,720	177,342	161,916
Hidangan ikan Fish meals	Tan Tonne	48,941	56,141	57,864	82,677	119,236	8,801	9,052
Biskut Biscuits	Tan Tonne	267,190	255,471	164,524	173,019	165,062	14,749	15,386
Gula bertapis Refined sugar	Tan Tonne	1,682,363	1,637,779	1,555,828	1,440,768	1,571,056	123,102	122,634
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	241,595	156,123	216,319	207,249	219,416	20,149	18,908

2021						2022					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
661	501	501	478	450	449	380	495	549	595	575	573
1,104	1,105	1,152	1,199	1,344	1,185	1,156	1,506	1,355	1,347	1,054	1,110
402	491	570	629	656	658	657	665	548	548	530	438
484	519	594	654	556	478	431	518	422	384	399	392
1,581	1,513	1,403	1,631	994	985	1,034	1,226	1,382	1,485	1,473	1,386
858	618	628	772	743	582	584	580	568	566	709	881
1,182	980	1,296	1,147	1,372	1,620	1,561	1,777	1,762	1,256	1,455	1,676
3,135	3,742	5,349	5,231	5,196	5,117	6,667	6,828	6,623	6,583	6,412	5,085
12,013	12,311	14,975	14,971	16,215	14,415	17,202	18,285	18,181	17,298	19,552	14,868
4,026	4,136	5,135	5,271	5,437	5,007	5,450	6,029	5,815	5,584	6,406	5,087
34,721	32,956	30,804	39,649	33,599	42,911	39,153	38,696	31,900	30,138	29,780	37,100
25,988	29,684	29,840	38,395	39,211	39,199	34,320	35,355	35,714	37,121	36,651	27,016
5,553	6,597	6,508	7,143	7,403	7,795	7,904	7,365	7,090	7,274	6,577	5,534
65,041	69,957	53,993	44,906	40,858	54,034	78,126	73,653	58,835	57,068	62,719	86,662
7,223	6,470	6,888	5,950	6,552	6,125	6,440	5,228	4,811	5,320	6,633	8,311
85,606	82,108	80,328	81,302	83,198	85,373	83,646	83,601	86,148	83,581	76,997	75,107
50,528	47,480	39,950	37,072	35,575	36,555	36,176	35,341	35,132	35,888	40,182	42,619
18,788	19,238	17,767	20,936	19,722	20,466	22,715	21,686	22,043	20,449	25,191	23,356
7,372	5,677	5,852	6,555	6,003	6,077	5,637	7,113	6,917	6,252	7,293	6,440
304	304	295	340	368	404	475	494	396	360	340	346
158,123	159,810	150,709	135,194	161,657	173,813	151,381	149,331	181,451	197,992	189,039	165,455
9,308	9,542	7,030	8,995	9,529	10,801	9,247	12,053	13,362	11,516	11,589	11,545
13,001	14,213	12,352	12,730	10,816	12,015	14,023	16,702	16,272	12,803	12,985	12,194
161,649	171,049	123,222	115,493	111,451	115,574	118,908	120,119	142,133	145,723	133,586	126,077
17,921	21,952	21,624	19,336	18,022	19,238	17,423	13,157	13,632	18,053	20,938	20,421

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	2017	2018	2019	2020	2021		
							Jan.	Feb.
Minuman manis tidak berkarbonat <i>Sweet beverages (non-carbonated)</i>	Liter ('000) <i>Litres ('000)</i>	2,240,658	2,835,044	3,113,870	2,799,877	2,218,416	232,259	228,958
Air mineral dan minuman <i>Mineral and drinking water</i>	Liter ('000) <i>Litres ('000)</i>	696,384	540,192	583,031	618,790	612,345	50,777	55,005
Kain kapas <i>Cotton cloth</i>	Meter ('000) <i>Metres ('000)</i>	166,566	150,618	126,941	84,100	72,734	7,043	6,716
Seluar lelaki <i>Pants, males</i>	Bilangan ('000) <i>Number ('000)</i>	11,705	10,997	10,245	8,304	6,035	608	609
Kemeja lelaki <i>Shirts, males</i>	Bilangan ('000) <i>Number ('000)</i>	18,065	20,491	16,859	13,937	13,569	1,354	1,138
Blaus <i>Blouses</i>	Bilangan ('000) <i>Number ('000)</i>	16,147	16,824	10,630	6,663	4,709	379	395
Pakaian perempuan <i>Dresses</i>	Bilangan ('000) <i>Number ('000)</i>	4,526	5,332	4,649	3,704	3,150	304	309
Kasut getah (semua jenis) <i>Rubber footwear (all types)</i>	Pasang ('000) <i>Pairs ('000)</i>	5,765	5,173	3,111	2,185	2,045	166	167
Kiln kayu kering <i>Kiln dried timber</i>	Tan <i>Tonne</i>	114,502	103,333	109,904	130,342	127,086	13,912	14,524
Kayu gergaji <i>Rubberwood (sawn)</i>	Tan <i>Tonne</i>	102,052	107,395	122,043	145,231	139,692	12,821	15,159
Kepingan venir <i>Veneer sheets</i>	Meter Padu <i>Cubic metre</i>	442,511	507,664	1,026,098	581,444	394,056	39,520	39,226
Papan gentian berkepadatan sederhana <i>Medium density fibreboard</i>	Meter Padu <i>Cubic metre</i>	1,461,672	4,424,935	3,753,461	3,101,939	2,117,223	214,639	179,195
Papan lapis <i>Plywood</i>	Meter Padu <i>Cubic metre</i>	2,306,438	2,347,718	2,142,694	2,767,847	3,438,335	275,504	307,463
Ukiran kayu <i>Timber moulding</i>	Meter Padu <i>Cubic metre</i>	84,866	84,539	72,081	70,500	54,406	5,868	6,072
Kayu balak siap <i>Dressed timber</i>	Meter Padu <i>Cubic metre</i>	7,131	6,547	5,620	6,761	7,984	961	987
Rak dan beg kertas <i>Sacks and bags of paper</i>	Bilangan ('000) <i>Number ('000)</i>	307,397	326,761	303,730	305,075	355,061	23,774	24,462
Kertas tisu <i>Tissue paper</i>	Tan <i>Tonne</i>	84,394	185,802	94,164	101,978	96,290	9,576	8,620
Kertas napkin <i>Napkin paper</i>	Tan <i>Tonne</i>	8,073	9,394	11,304	9,556	5,355	801	501
Kertas tandas <i>Toilet paper</i>	Tan <i>Tonne</i>	39,816	101,707	111,369	102,267	75,508	10,283	9,857
Minyak tanah <i>Kerosene</i>	Tan <i>Tonne</i>	4,177,301	4,123,364	4,235,615	3,554,047	4,168,054	332,267	293,055
Gas petroleum cecair <i>Liquefied petroleum gas</i>	Tan <i>Tonne</i>	2,608,430	2,721,959	2,900,511	2,525,357	2,692,737	213,223	203,909
Minyak bahan api <i>Fuel oil</i>	Tan <i>Tonne</i>	3,184,767	2,801,698	2,701,437	2,064,280	2,118,830	166,059	190,326
Minyak diesel/gas <i>Diesel/ gas oil</i>	Tan <i>Tonne</i>	12,527,621	12,216,265	13,033,587	10,921,709	12,881,426	907,393	1,095,877
Gasolin (spirit motor) <i>Gasoline (motor spirit)</i>	Tan <i>Tonne</i>	5,332,088	5,828,082	5,861,572	4,980,906	6,433,373	474,611	506,710
Minyak pelincir campuran <i>Blended lubricating oil</i>	Tan <i>Tonne</i>	149,902	158,038	138,461	92,387	106,578	6,535	6,090

2021						2022					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
226,051	245,230	175,273	152,426	157,738	183,350	151,055	144,862	151,929	169,286	209,942	211,612
54,191	56,054	47,426	45,201	41,149	52,584	56,461	58,199	56,063	39,237	40,162	55,073
7,196	7,652	6,371	6,690	5,371	4,823	4,864	5,405	5,761	4,844	4,599	5,307
601	642	364	414	492	411	410	522	505	456	452	452
978	1,101	1,176	872	1,003	997	977	1,351	1,359	1,262	1,271	1,057
399	459	384	378	458	448	489	293	289	337	382	383
305	371	296	170	154	254	241	263	242	242	226	222
178	180	114	70	95	133	226	276	274	166	161	168
12,265	12,695	11,098	6,943	9,811	9,781	9,714	10,049	8,084	8,210	8,264	7,973
10,056	12,473	12,340	8,289	10,508	11,761	11,796	12,079	12,034	10,376	9,789	10,735
55,237	61,035	31,655	32,134	20,210	18,875	20,842	24,962	25,411	24,949	28,703	28,863
109,587	122,184	110,960	112,487	143,286	194,941	188,445	232,321	255,656	253,522	233,191	185,859
425,264	438,673	397,671	230,379	190,609	175,149	177,600	251,695	275,959	292,370	307,464	347,707
4,752	5,106	5,726	3,075	3,002	3,460	3,917	4,778	4,809	3,841	4,075	4,083
714	795	733	522	480	444	431	587	583	747	890	852
26,995	27,048	25,929	29,392	32,637	34,334	30,999	35,070	34,186	30,234	30,350	28,594
6,917	6,601	6,188	6,221	7,923	8,335	8,822	8,831	9,179	9,074	9,051	7,899
388	371	338	302	340	294	356	499	622	542	545	569
6,405	5,821	5,257	5,310	6,183	4,256	4,826	5,554	5,979	5,776	7,525	7,051
301,694	375,612	321,057	337,191	370,155	352,456	374,492	382,564	347,418	380,093	339,125	225,119
239,647	193,970	235,994	220,013	218,194	221,473	218,058	231,497	257,238	239,522	214,892	223,610
167,009	170,065	160,077	179,344	188,938	189,405	195,965	182,698	150,126	178,816	168,656	172,040
971,358	659,397	920,180	1,102,513	1,207,303	1,180,704	1,243,919	1,207,886	1,250,656	1,134,240	1,057,053	1,149,385
491,449	474,289	532,995	534,128	598,012	589,966	571,563	602,111	577,920	479,620	422,866	491,936
6,219	7,191	8,230	8,290	10,594	12,664	10,769	10,320	10,231	9,446	7,857	7,278

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	2017	2018	2019	2020	2021		
							Jan.	Feb.
Nafta <i>Naptha</i>	Tan <i>Tonne</i>	4,341,796	4,266,449	4,336,029	3,754,323	3,901,388	362,041	343,233
Gas asli cecair <i>Liquefied natural gas</i>	Tan <i>Tonne</i>	24,619,394	27,785,824	28,689,391	26,576,031	29,011,740	2,446,912	2,566,241
Nitrogen dan oksigen <i>Nitrogen and oxygen</i>	Meter padu ('000) <i>Cubic metre ('000)</i>	676,429	418,770	416,483	456,279	564,435	44,984	49,650
Methanol (methyl alcohol) <i>Methanol (methyl alcohol)</i>	Tan <i>Tonne</i>	2,184,245	6,033,764	6,999,396	4,554,549	3,717,444	256,915	321,432
Baja (termasuk urea) <i>Fertilizers (includes urea)</i>	Tonne <i>Tonne</i>	2,838,245	3,616,402	3,720,847	4,080,289	5,839,960	439,716	414,179
Sebatian P.V.C <i>P.V.C. compound</i>	Tan <i>Tonne</i>	109,483	109,562	100,843	76,016	88,182	8,053	8,595
Racun serangga aerosol (cecair) <i>Aerosol insecticides (liquid)</i>	Liter <i>Litres</i>	9,241,807	7,965,253	7,397,612	7,241,839	7,057,722	576,260	619,374
Racun herba (cecair) <i>Herbicides (liquid)</i>	Liter ('000) <i>Litres ('000)</i>	54,710	58,626	38,807	55,497	68,379	5,555	6,139
Racun herba (bukan cecair) <i>Herbicides (non-liquid)</i>	Tonne <i>Tonne</i>	12,748	32,139	26,842	43,157	66,062	4,108	4,587
Cat emulsi <i>Emulsion paints</i>	Liter ('000) <i>Litres ('000)</i>	92,222	118,111	101,689	68,600	49,480	5,048	5,130
Cat lapis <i>Under-coats</i>	Liter ('000) <i>Litres ('000)</i>	10,236	14,754	14,977	13,869	17,890	1,329	1,308
Cat asas <i>Primers</i>	Liter ('000) <i>Litres ('000)</i>	20,779	24,642	29,629	20,036	19,302	2,217	2,004
Dakwat pencetak <i>Printing ink</i>	Tan <i>Tonne</i>	41,585	37,543	32,587	35,326	28,717	2,001	2,041
Pelembut fabrik <i>Fabric softener</i>	Liter ('000) <i>Litres ('000)</i>	62,813	65,640	65,858	40,262	33,368	2,661	2,891
Sabun mandi <i>Toilet soap</i>	Tan <i>Tonne</i>	34,143	45,402	45,523	21,028	16,915	1,650	1,663
Sabun serbuk (bahan pencuci) <i>Soap powder (detergents)</i>	Tan <i>Tonne</i>	182,677	148,003	133,244	96,719	102,043	7,006	7,800
Pelekat perindustrian <i>Adhesive, industrial</i>	Liter ('000) <i>Litres ('000)</i>	226,975	241,025	191,096	161,056	156,030	13,268	13,477
Tayar pneumatik (semua jenis) <i>Pneumatic tyres (all types)</i>	Bilangan ('000) <i>Number ('000)</i>	15,190	13,674	13,334	9,131	8,261	841	869
Tiub dalam (semua jenis) <i>Inner tubes (all types)</i>	Bilangan ('000) <i>Number ('000)</i>	5,370	4,825	3,307	1,869	1,426	148	135
Getah mutu malaysia (semua gred) <i>S.M.R. (all grades)</i>	Tan <i>Tonne</i>	773,498	874,609	897,171	972,584	817,560	92,531	90,082
Susu getah diproses <i>Processed latex</i>	Tan <i>Tonne</i>	44,093	26,197	24,553	33,471	41,081	3,260	3,640
Sarung tangan getah <i>Rubber gloves</i>	Pasang (Juta) <i>Pairs (Million)</i>	37,525	54,184	55,404	102,592	136,796	11,868	12,268
Kondom <i>Condom</i>	Gross ('000) <i>Gross ('000)</i>	13,019	9,678	9,237	15,532	18,085	1,354	1,358
Paip P.V.C. <i>P.V.C. pipes</i>	Tan <i>Tonne</i>	129,894	127,974	141,991	105,091	99,972	7,203	9,703
Bata tanah <i>Earthen bricks</i>	Bilangan ('000) <i>Number ('000)</i>	237,420	275,959	316,411	181,463	109,691	12,237	14,302

2021						2022					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
318,554	359,251	258,787	346,846	326,370	306,799	334,974	328,569	306,856	309,108	283,494	290,304
2,624,160	1,974,409	2,366,907	2,562,445	2,651,288	2,452,114	2,098,569	2,334,616	2,553,140	2,380,939	2,480,530	2,520,849
61,237	42,660	45,872	55,962	50,108	39,085	37,093	42,171	46,401	49,212	48,541	54,388
304,278	212,091	255,536	290,342	292,501	377,911	344,269	308,452	308,810	444,907	387,861	455,504
365,543	321,041	277,829	431,781	514,804	620,176	588,288	538,944	674,127	653,532	607,577	623,200
8,546	7,428	5,132	4,375	4,573	6,690	8,589	9,199	8,863	8,139	8,010	7,666
638,421	754,314	548,553	529,015	550,117	611,604	534,337	543,737	594,475	557,515	552,408	550,003
7,026	7,545	5,602	5,021	5,405	5,909	3,518	5,109	5,181	6,368	8,169	8,885
4,992	5,966	5,515	5,435	5,363	5,470	5,497	6,200	5,673	7,257	7,329	7,730
5,288	4,917	4,476	2,923	3,193	4,058	3,572	3,091	4,098	3,686	4,498	4,394
1,126	1,077	1,243	1,557	1,576	1,791	1,718	1,793	1,723	1,651	1,465	1,293
1,559	1,235	1,252	1,280	1,314	1,606	1,569	1,420	1,464	2,382	1,843	1,736
2,021	2,121	2,853	2,685	2,816	2,986	2,681	2,032	2,100	2,379	2,129	1,716
2,893	2,499	2,365	2,162	2,210	2,570	2,805	3,323	3,709	3,281	2,649	2,748
1,610	1,225	1,052	1,319	1,226	1,439	1,360	1,193	1,403	1,773	1,185	1,246
8,000	6,827	7,011	7,604	8,020	9,250	11,078	10,801	9,162	9,485	8,057	8,265
12,609	13,374	14,372	14,815	13,091	12,950	13,076	11,860	11,995	11,145	11,894	13,036
815	764	465	534	572	421	522	833	822	802	979	943
107	110	81	89	116	108	131	147	145	107	134	121
79,908	74,425	56,606	51,636	50,666	59,266	63,052	57,242	69,374	72,772	59,033	63,192
3,922	4,199	3,792	3,304	3,404	3,755	3,309	2,752	2,640	3,104	2,775	3,355
17,351	16,938	16,324	16,276	10,824	7,338	7,065	7,044	6,911	6,587	8,188	7,845
1,550	1,834	1,847	1,921	1,660	1,337	1,590	1,312	1,072	1,251	1,508	1,395
9,904	10,081	8,005	8,470	8,842	7,011	6,332	7,705	8,513	8,203	8,332	9,310
10,752	10,032	7,467	3,020	3,352	4,814	6,390	10,821	13,727	12,776	12,453	15,412

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	2017	2018	2019	2020	2021		
							Jan.	Feb.
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	44,896	44,612	31,119	31,495	28,512	2,864	2,887
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	18,762	17,556	16,102	19,936	19,961	2,278	2,459
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	30,323	32,047	34,067	34,841	35,425	2,792	3,232
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	36,073	35,472	43,484	47,874	37,054	3,586	2,946
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	2,601,180	2,627,848	2,034,572	1,699,228	1,549,050	153,597	163,397
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	489,242	535,673	393,246	261,872	157,885	27,038	28,781
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	533,123	612,850	584,723	616,367	870,924	70,373	73,473
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	1,698,226	1,853,029	1,403,863	1,295,505	707,765	53,941	62,581
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	145,734	112,648	156,786	152,099	167,833	10,445	13,585
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	3,539,920	3,739,323	3,131,962	2,683,374	2,899,385	300,331	307,811
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	4,904	4,560	4,347	3,717	3,936	398	419
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	119,962	156,534	180,148	131,139	135,473	9,237	10,959
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	138,585	82,809	48,045	28,555	19,258	2,073	1,819
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	183,212	191,478	168,959	202,996	266,713	17,578	18,917
Dawai dan kabel yang terlebat Insulated wires and cables	Tan Tonne	98,756	92,234	95,752	111,184	129,356	8,970	8,586
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	20,111	22,033	28,758	26,699	29,453	2,181	2,554
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	41,365	36,871	35,582	36,919	48,538	3,642	4,111
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	27,155	29,828	26,581	34,318	41,416	3,130	3,389
Televisyen Television	Bilangan Number	11,446,057	12,609,183	9,934,919	12,228,893	15,071,948	1,205,109	1,248,946
Radio Radios	Bilangan ('000) Number ('000)	5,291	6,686	8,789	9,363	9,752	853	844
Penyaman udara Air-conditioners	Bilangan Number	4,208,937	4,395,397	4,953,912	1,910,268	2,253,569	153,930	216,372
Kereta penumpang Passenger cars	Bilangan Number	459,558	522,392	533,131	454,805	446,417	36,186	41,301
Kenderaan perdagangan Commercial vehicles	Bilangan Number	71,990	72,709	57,608	43,691	61,634	5,785	7,030
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	6,597	5,377	5,927	6,642	7,825	635	583
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	285,104	251,720	242,789	240,066	172,431	24,155	25,612

2021						2022					
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.
2,554	2,439	2,452	1,382	1,467	1,861	2,396	3,270	1,820	3,119	2,589	2,800
1,912	1,309	1,211	996	1,130	1,381	1,378	1,655	2,050	2,204	2,326	2,456
3,806	3,072	2,491	2,144	2,531	3,345	2,861	3,077	3,089	2,985	2,809	2,819
4,712	3,227	3,084	2,495	2,727	3,038	3,105	3,291	2,446	2,399	2,623	3,166
129,968	147,657	141,082	88,203	85,850	123,195	131,062	105,587	133,727	145,725	127,642	139,049
25,250	10,684	6,380	5,209	5,263	6,690	6,975	11,774	13,038	10,802	8,592	16,848
71,835	62,095	59,759	54,664	65,126	77,662	76,623	90,287	88,685	80,341	86,716	92,569
50,488	72,428	52,017	50,466	58,501	86,726	58,575	53,988	50,002	58,052	50,692	57,811
16,691	16,165	14,131	10,909	11,196	15,733	16,410	14,921	12,994	14,653	11,652	13,722
233,825	240,244	202,677	196,433	183,377	212,570	260,151	246,369	260,526	255,073	267,779	256,075
338	355	327	313	230	272	326	322	320	315	322	304
9,930	9,045	8,147	8,339	9,921	11,278	15,297	15,316	12,875	15,130	10,576	13,693
1,312	1,616	1,534	1,075	1,090	1,311	1,622	1,755	2,039	2,013	1,929	1,652
19,507	19,813	21,327	21,848	25,556	23,591	23,869	27,347	23,366	23,994	25,116	25,981
9,190	9,525	8,719	11,520	11,616	10,480	14,321	14,621	11,037	10,769	11,565	10,977
2,688	2,346	2,194	2,355	2,375	2,554	2,760	2,658	2,361	2,428	2,544	2,824
4,406	4,251	4,148	4,302	3,797	3,457	3,874	4,125	3,831	4,592	4,750	4,959
3,393	3,964	3,821	3,602	3,307	3,294	3,137	3,415	3,301	3,662	3,561	3,875
1,356,207	1,557,202	1,596,688	1,397,708	938,281	991,265	1,055,845	1,156,889	1,129,318	1,438,490	1,421,426	1,407,226
601	709	685	733	717	707	894	913	972	1,125	1,045	995
221,551	220,950	195,318	181,357	175,910	173,839	160,098	177,582	176,287	200,375	185,063	269,167
58,102	47,764	40,159	246	2,396	12,897	42,556	61,248	53,661	49,901	39,455	47,445
5,816	6,766	6,778	1,341	1,509	2,016	3,964	5,271	8,336	7,022	6,024	7,151
659	572	541	572	581	481	667	885	844	804	801	851
29,443	35,903	19,908	1,995	2,177	2,817	5,082	7,120	8,094	10,126	10,745	13,959

NOTA TEKNIKAL
TECHNICAL NOTES



NOTA TEKNIKAL

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 arasan terhadap statistik pembuatan yang dipungut melalui Survei Pembuatan Bulanan. Proses penanda arasan 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 arasan yang dibuat berpanduan *Quarterly National Accounts Manual 2017 edition, International Monetary Fund* bagi mencapai objektif seperti berikut:

- Menganggarkan data bulanan supaya konsisten dengan data tahunan iaitu, untuk memastikan jumlah data bulanan adalah sama dengan penanda aras tahunan;
- Memelihara sebanyak mungkin pertumbuhan indikator bulanan semasa proses penanda arasan 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 arasan 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* dan *extrapolation* digunakan dalam proses penanda arasan ini.

Kaedah *pro rata*:

$$M^iV = \frac{M^iI}{\sum_{i=1}^{12} M^iI} \times ADT$$

di mana

M^iV pemboleh ubah anggaran bulanan yang dinaik aras

M^iI siri indikator bulanan

ADT data tahunan tahun asas (penanda aras)

Kaedah *extrapolation*:

$$V_t = V_{t-1} * G_{t-1,t}$$

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:

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

di mana;

n = Saiz sampel

N_i = Saiz populasi bagi strata i

S_i^2 = Varian bagi strata i

V = Varian sasaran

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

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:

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

h = 2, 3 dan 4

i = 1, 2, ..., 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 :

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

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 :

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

di mana;

n'_h = Bilangan sampel respons bagi substrata h

n_h = Bilangan sampel bagi substrata h

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

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

di mana;

W_h = Wajaran reka bentuk pensampelan pada substrata h

NRW_h = 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 diperolehi.

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)*.





TECHNICAL NOTES

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:

- a. 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;
- b. to preserve as much as possible the monthly movements in the indicator under the restrictions provided by the annual data; and
- c. 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 and extrapolation method is used in the benchmarking process.

Pro rata Method:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i I} x ADT$$

where

MⁱV new derived monthly variables estimates

MⁱI monthly indicator series

ADT annual benchmark data

Extrapolation Method:

$$V_t = V_{t-1} * G_{t-1,t}$$

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:

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

where;

n = Sample size

N_i = Population size for stratum i

S_i^2 = Variance for stratum i

V = Desired variance

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

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:

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

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

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





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:

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

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h





Non response weight at substratum h as below:

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

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:

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

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).

