



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

PEMBENTUKAN MODAL TETAP KASAR

GROSS FIXED CAPITAL FORMATION

2021

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022 dan Survei Ekonomi Tahunan (AES) 2022 bermula dari 15 April 2022 sehingga 30 September 2022. DOSM amat menghargai kerjasama daripada responden yang terpilih untuk memberikan maklumat kepada DOSM serta menjayakan survei ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

Penerbitan statistik ekonomi dan sosial iaitu PocketStats yang mengandungi statistik suku tahunan dan tahunan boleh diperoleh dari portal DOSM atau melalui pautan https://bit.ly/PocketStatsS1_2022.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Connecting the World with Data We Can Trust".

Announcement

The Department of Statistics Malaysia (DOSM) is conducting the Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022 and the Annual Economic Survey (AES) 2022 from 15th April 2022 until 30th September 2022. DOSM greatly appreciates the cooperation given by selected respondents by sharing their information with DOSM and making the survey a success. Please visit www.dosm.gov.my for more information.

Economic and social statistics publication namely PocketStats which contain quarterly and annual statistics can be obtained from the DOSM portal or via the link https://bit.ly/PocketStatsQ1_2022.

Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the World with Data We Can Trust".

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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“Sumber : Jabatan Perangkaan Malaysia”.

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KATA PENGANTAR

Penerbitan ini membentangkan statistik Pembentukan Modal Tetap Kasar (PMTK) bagi tahun 2015 hingga 2021 pada harga semasa dan harga malar 2015.

Statistik ini menyediakan maklumat penting untuk mengukur potensi pertumbuhan ekonomi Malaysia berdasarkan kedudukan pelaburan aset tetap. PMTK disusun mengikut jenis aktiviti ekonomi, jenis aset dan sektor awam & swasta berdasarkan konsep yang disarankan oleh *System of National Accounts 2008*. Pengkelasan PMTK mengikut aktiviti ekonomi adalah selaras dengan Piawaian Klasifikasi Industri Malaysia 2008.

Ringkasan penemuan PMTK bagi tahun 2021 disediakan pada bahagian pertama penerbitan dan diikuti dengan jadual statistik. Nota teknikal dan sumber data turut disediakan bagi memudahkan pemahaman statistik berkenaan.

Statistik ini boleh membantu agensi kerajaan, ahli ekonomi, ahli akademik serta individu bagi tujuan membuat perancangan dan penggubalan dasar, analisis ekonomi, unjuran dan dapat membantu merancang pembangunan perniagaan.

Jabatan Perangkaan Malaysia (DOSM) merakamkan penghargaan atas kerjasama semua pihak dalam membekalkan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Julai 2022

PREFACE

This publication presents the statistics on Gross Fixed Capital Formation (GFCF) for the years of 2015 to 2021 at both current prices and constant 2015 prices.

The statistics provide an essential information to measure the potential growth of Malaysia's economy based on fixed assets investment position. The GFCF data are compiled by kind of economic activities, type of assets and public & private sectors. This compilation is adopted the concepts recommended by System of National Accounts 2008. The classification of GFCF by kind of economic activity is in line with the Malaysia Standard Industrial Classification 2008.

The first part of the report highlighted the summary of findings of GFCF for 2021 and followed by the statistical tables. Technical notes and data sources are also included for better understanding of the statistics.

These statistics could assist government agencies, economists, academicians as well as individuals for planning and formulation of policies, economic analysis, projections and to assist in business development planning.

The Department of Statistics Malaysia (DOSM) acknowledges the cooperation of all parties that have provided the required data and contributed to the success of this publication. Any feedback and suggestions towards improving this publication in the future is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

July 2022

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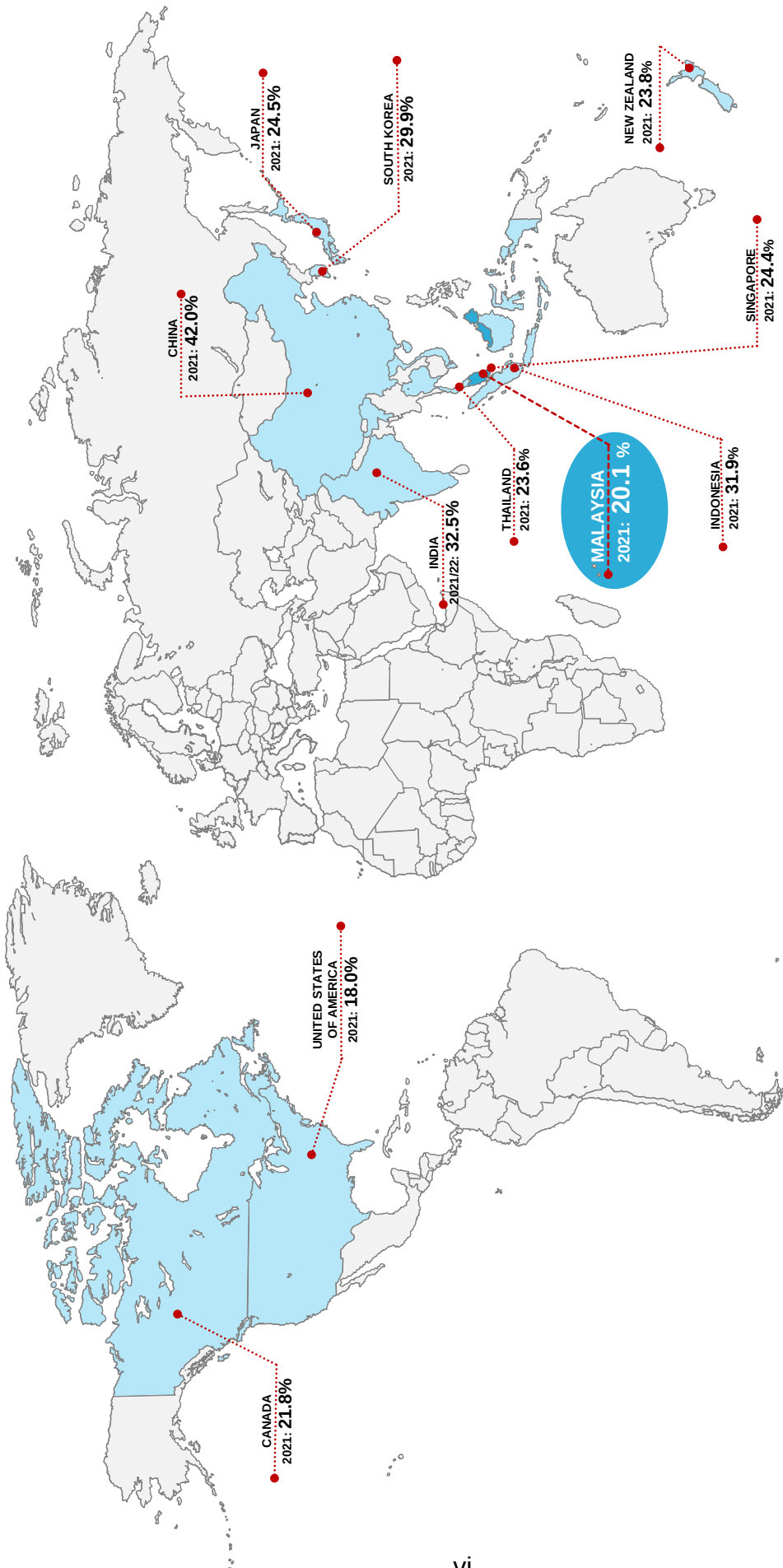
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STATISTIK PEMBENTUKAN MODAL TETAP KASAR BAGI NEGARA TERPILIH
STATISTICS ON GROSS FIXED CAPITAL FORMATION FOR SELECTED COUNTRIES



Sumber / Sources: Laman sesawang Pejabat Statistik Negara (NSO) terpilih.
Selected National Statistical Office (NSO) websites.

Nota / Note:
Angka menunjukkan peratus sumbangan PMTK kepada KDNK pada harga malar. Peratus sumbangan ini dikira oleh Jabatan Perangkaan Malaysia (DOSM).
The numbers show the percentage share of GFCF to GDP at constant prices. The percentage share was calculated by Department of Statistics, Malaysia (DOSM).



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PEMBENTUKAN MODAL TETAP KASAR (PMTK) 2021

KADAR
PERTUMBUHAN
TAHUNAN

-0.9%



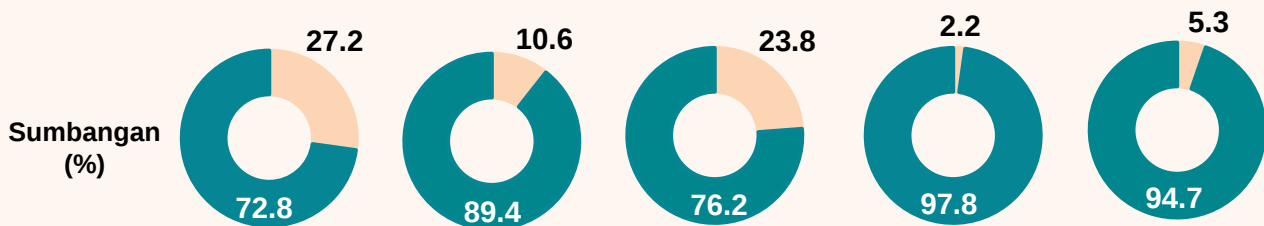
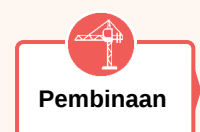
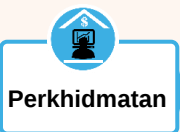
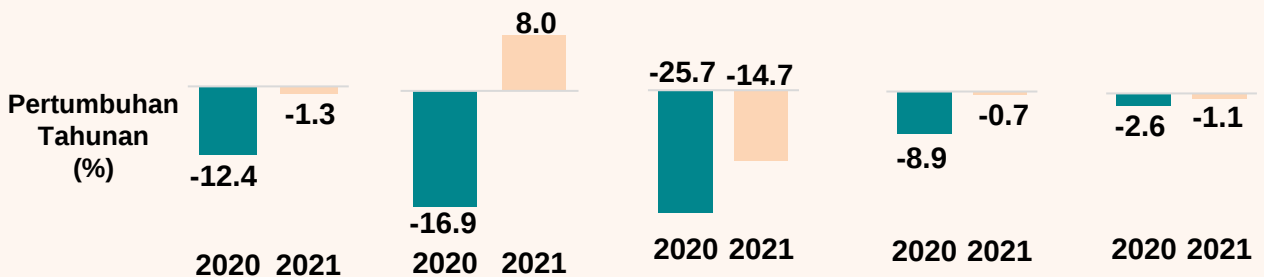
JUMLAH
KESELURUHAN
PMTK
RM 278.7b



SUMBANGAN
KEPADA
KDNK
20.1%

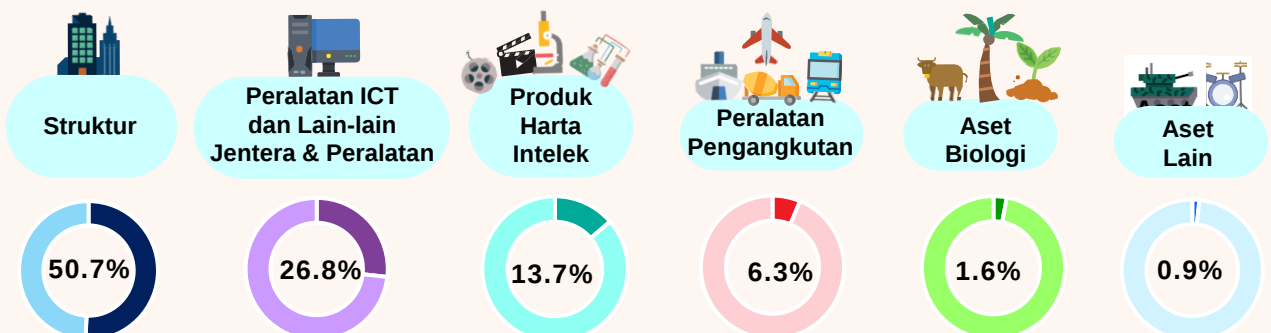


Mengikut Jenis Aktiviti Ekonomi



Mengikut Jenis Aset

Nota : Swasta Awam



Sumber: Akaun Negara, Pembentukan Modal Tetap Kasar, Jabatan Perangkaan Malaysia (DOSM)

MAIN FINDINGS



PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA



GROSS FIXED CAPITAL FORMATION (GFCF) 2021

ANNUAL GROWTH RATE
-0.9%



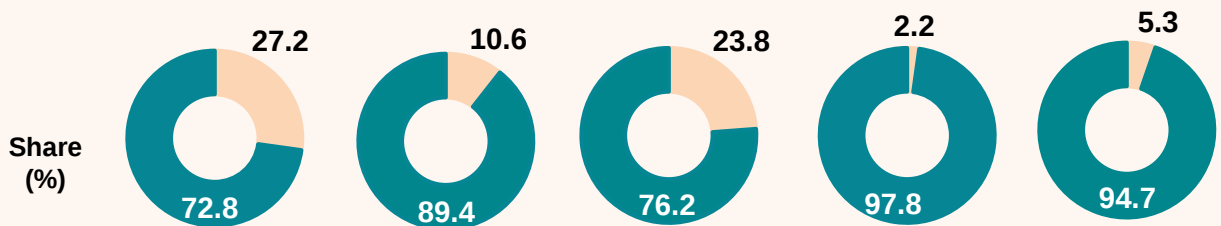
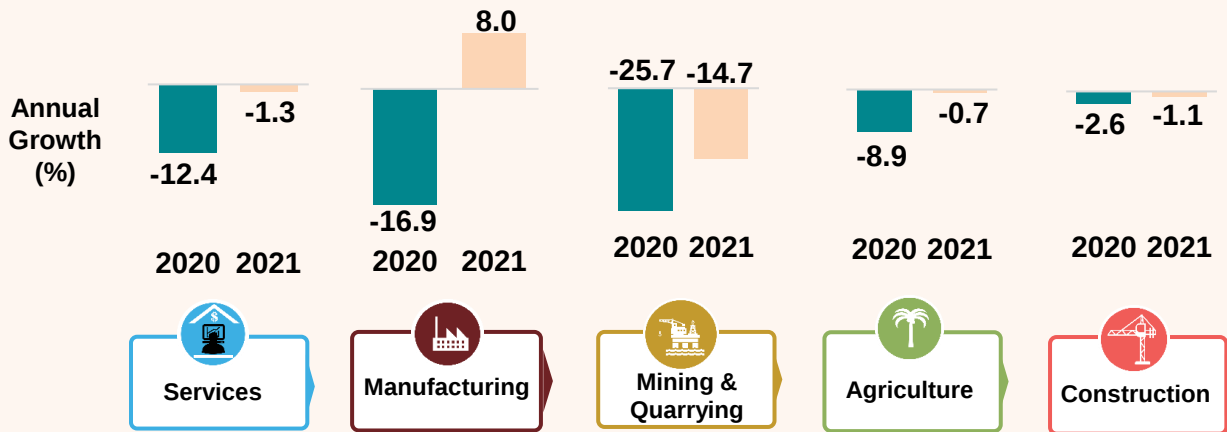
TOTAL VALUE OF GFCF
RM 278.7b



CONTRIBUTION TO GDP
20.1%

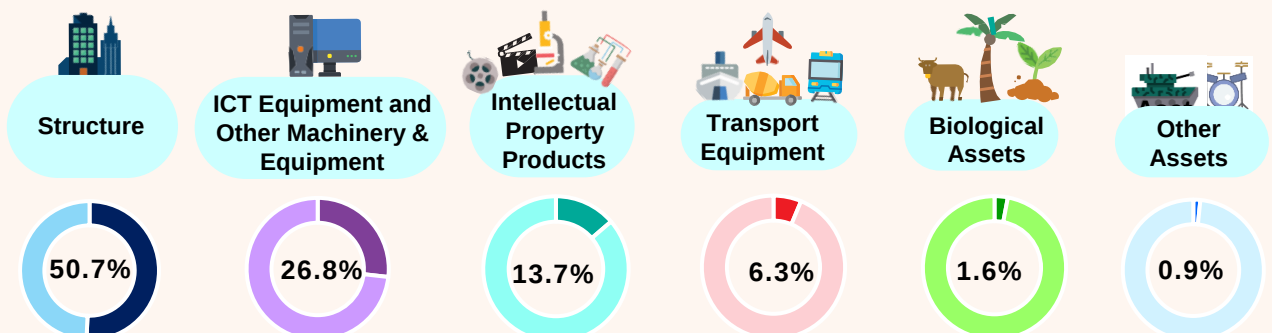


By Kind of Economic Activity



By Type of Assets

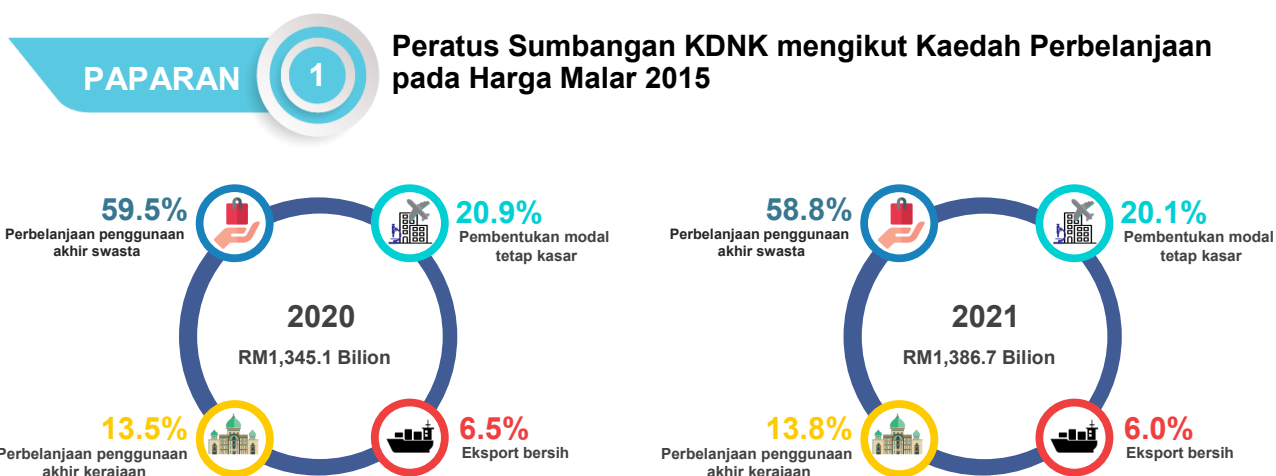
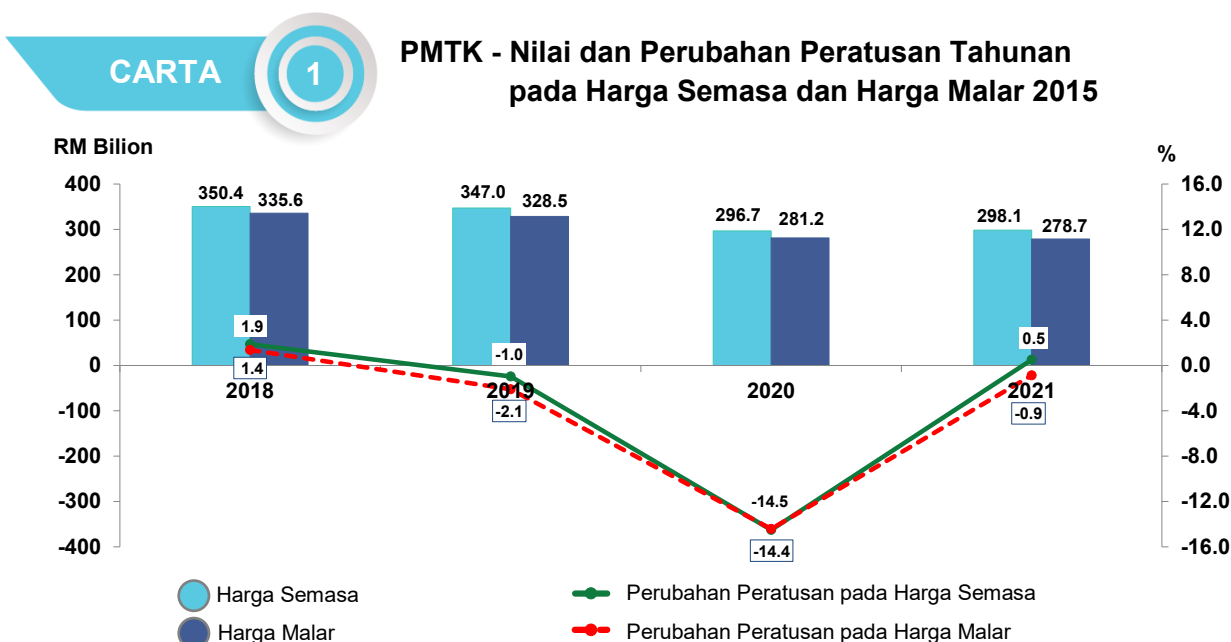
Note : Private Public



Source: National Accounts, Gross Fixed Capital Formation, Department of Statistics Malaysia (DOSM)

PEMBENTUKAN MODAL TETAP KASAR 2021

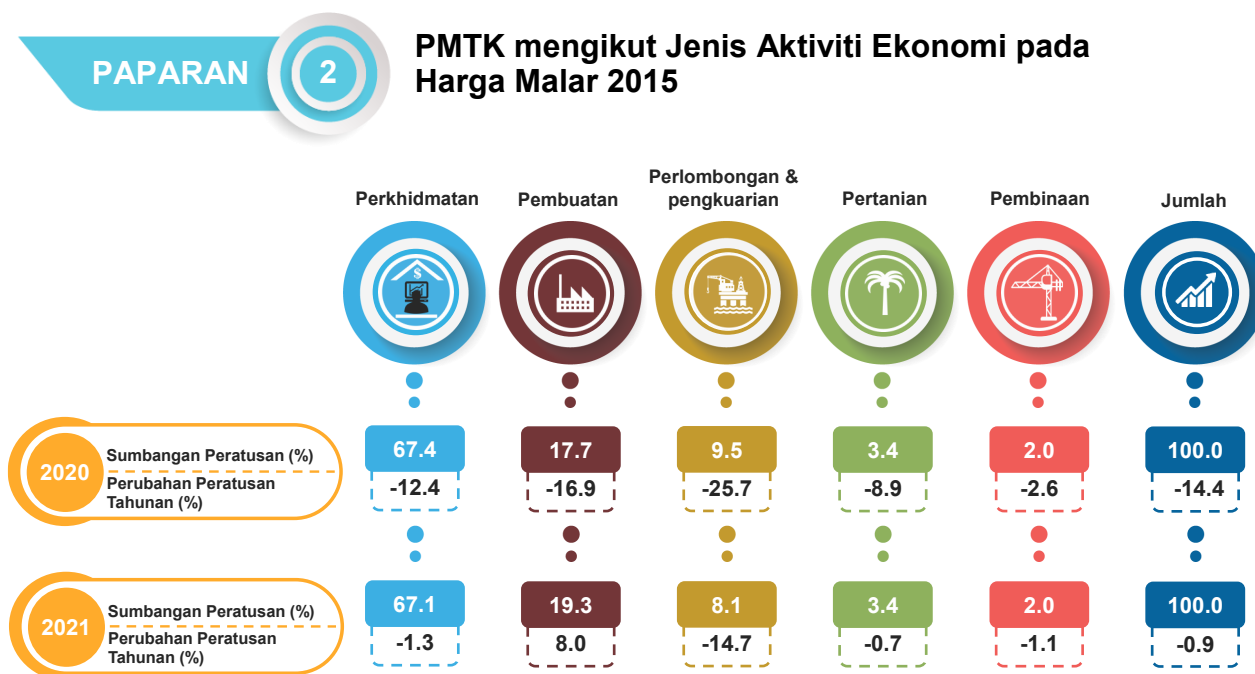
Pembentukan Modal Tetap Kasar (PMTK) Malaysia bagi tahun 2021 merekodkan RM298.1 bilion pada harga semasa, meningkat RM1.5 bilion daripada tahun 2020 dan PMTK pada harga malar berjumlah RM278.7 bilion (**Carta 1**). PMTK mencatatkan penyusutan marginal 0.9 peratus pada harga malar berbanding negatif 14.4 peratus pada tahun sebelumnya. Kemerosotan ini dipengaruhi oleh prestasi yang lemah bagi hampir kesemua sektor kecuali Pembuatan. PMTK kekal sebagai penyumbang kedua terbesar dalam Keluaran Dalam Negeri Kasar (KDNK) dengan sumbangan 20.1 peratus (2020: 20.9%) seperti yang ditunjukkan di **Paparan 1**. Sektor swasta terus menerajui pelaburan aset tetap manakala bagi jenis aset, PMTK didorong terutamanya oleh Struktur.



Nota: Tidak termasuk Perubahan Inventori, Barangan Berharga & Perbezaan Statistik

PMTK MENGIKUT JENIS AKTIVITI EKONOMI

PMTK mencatatkan penurunan marginal 0.9 peratus berbanding negatif 14.4 peratus pada tahun sebelumnya (**Paparan 2**), di mana sebahagian besarnya dipengaruhi oleh kejatuhan dalam hampir kesemua sektor kecuali Pembuatan pada tahun 2021.



PMTK bagi sektor **Perkhidmatan** menurun 1.3 peratus disebabkan oleh penyusutan bagi aktiviti Perkhidmatan lain (termasuk perkhidmatan kerajaan) dan Kewangan, insurans, hartanah dan perkhidmatan perniagaan, yang masing-masing merosot 6.8 peratus dan 4.6 peratus pada tahun 2021. Sementara itu, Perdagangan borong dan runcit dan Makanan & minuman dan penginapan masing-masing mengukuh kepada 13.2 peratus dan 9.6 peratus.

Pertumbuhan positif perolehan aset tetap dalam sektor **Pembuatan** pada 8.0 peratus (2020: -16.9%) dipacu oleh prestasi yang memberangsangkan bagi subsektor Pembuatan Makanan, minuman dan tembakau (2021: 12.4%, 2020: 3.4%) dan Produk elektrik, elektronik & optikal dan peralatan pengangkutan (2021: 5.9%, 2020: -17.9%). Sementara itu, Produk petroleum, kimia, getah dan plastik turut mengukuh kepada 9.7 peratus berbanding negatif 24.5 peratus pada tahun sebelumnya.

Sektor **Perlombongan dan pengkuarian** merekodkan penurunan lebih kecil 14.7 peratus berbanding kejatuhan 25.7 peratus yang dicatatkan pada tahun sebelumnya. Selain itu, Sektor **Pertanian** juga jatuh 0.7 peratus (2020: -8.9%) disebabkan oleh prestasi yang lemah bagi subsektor Getah dan kelapa sawit (2021: -5.5%, 2020: -13.4%). Tambahan pula, sektor **Pembinaan** menyusut 1.1 peratus pada tahun 2021 berbanding penguncupan 2.6 peratus pada tahun 2020.

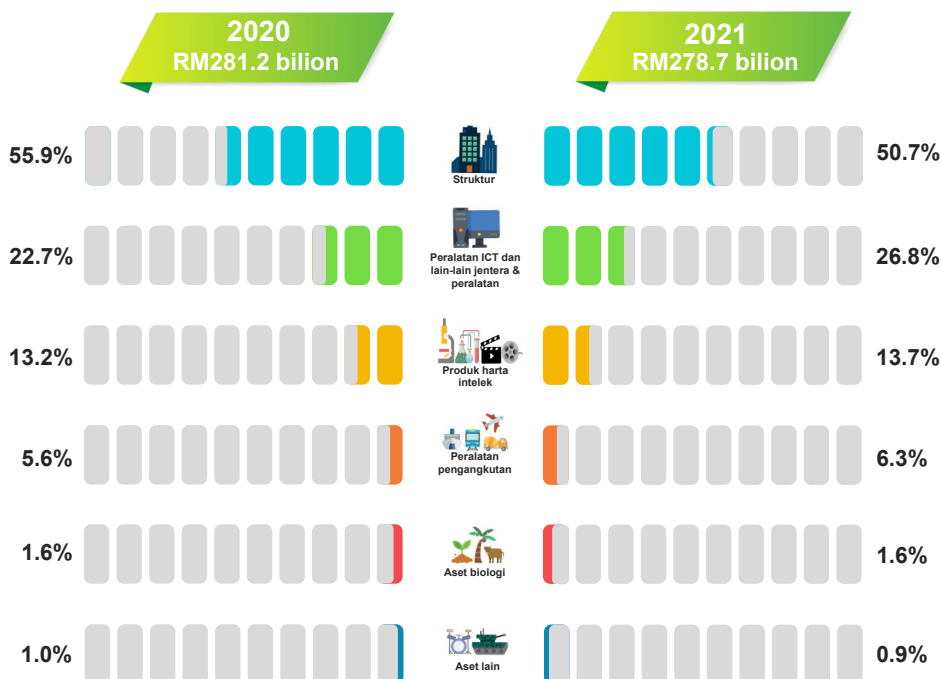
PMTK MENGIKUT JENIS ASET

Perolehan aset tetap mengikut jenis aset disokong oleh Struktur dengan sumbangan 50.7 peratus (2020: 55.9%), yang mencatatkan penyusutan 10.1 peratus (2020: -18.3%). Sebaliknya, Peralatan ICT dan lain-lain jentera & peralatan dan Produk harta intelek masing-masing bertumbuh 16.6 peratus (2020: -8.9%) dan 2.9 peratus (2020: 0.7%).

PAPARAN

3

Sumbangan Peratusan PMTK mengikut Jenis Aset pada Harga Malar 2015



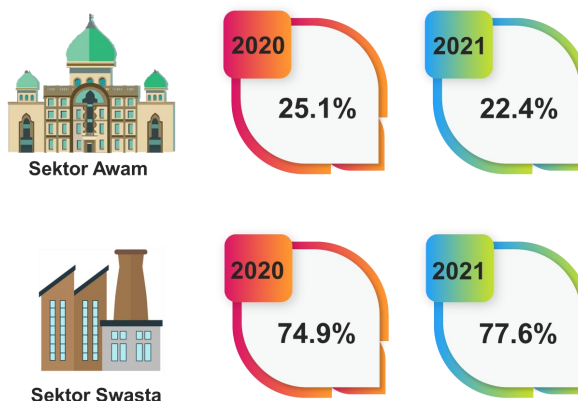
PMTK MENGIKUT SEKTOR DAN JENIS AKTIVITI EKONOMI

Sektor Swasta kekal sebagai penyumbang utama kepada PMTK (sumbangan: 77.6%) meningkat 2.6 peratus berbanding negatif 11.9 peratus pada tahun sebelumnya, seperti yang ditunjukkan di **Paparan 4**. Sebaliknya, Sektor Awam (sumbangan: 22.4%) terus mencatatkan tren penurunan iaitu menguncup 11.3 peratus pada tahun 2021.

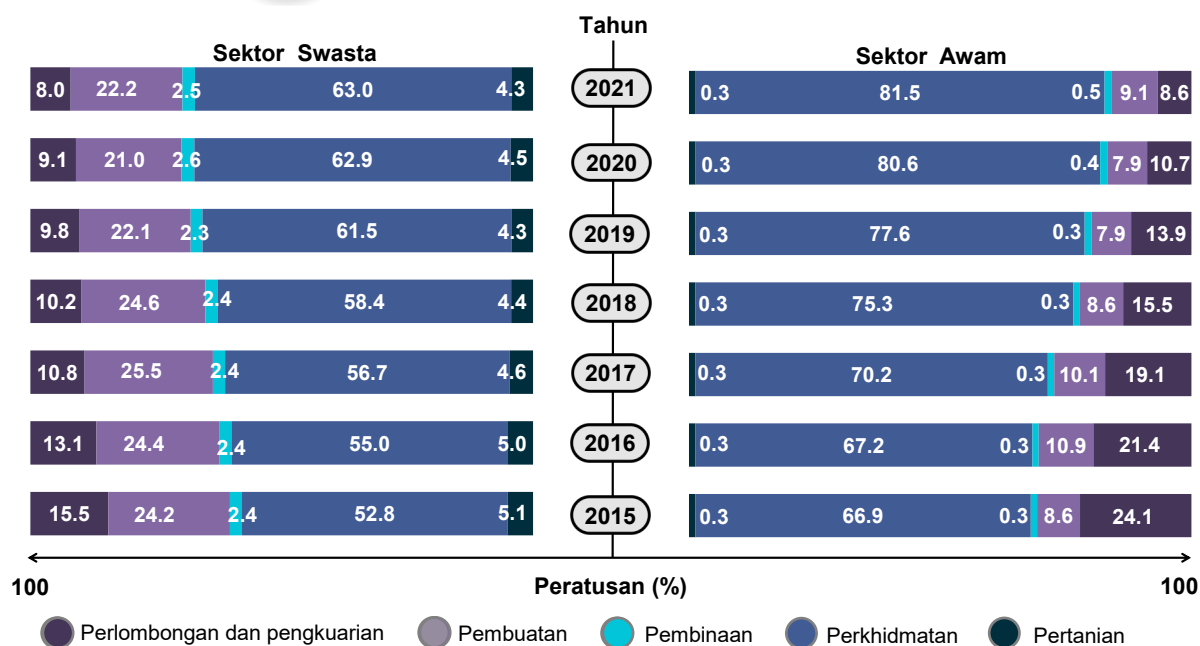
PAPARAN

4

Sumbangan Peratusan PMTK mengikut Sektor pada Harga Malar 2015



Sumbangan Peratusan PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015



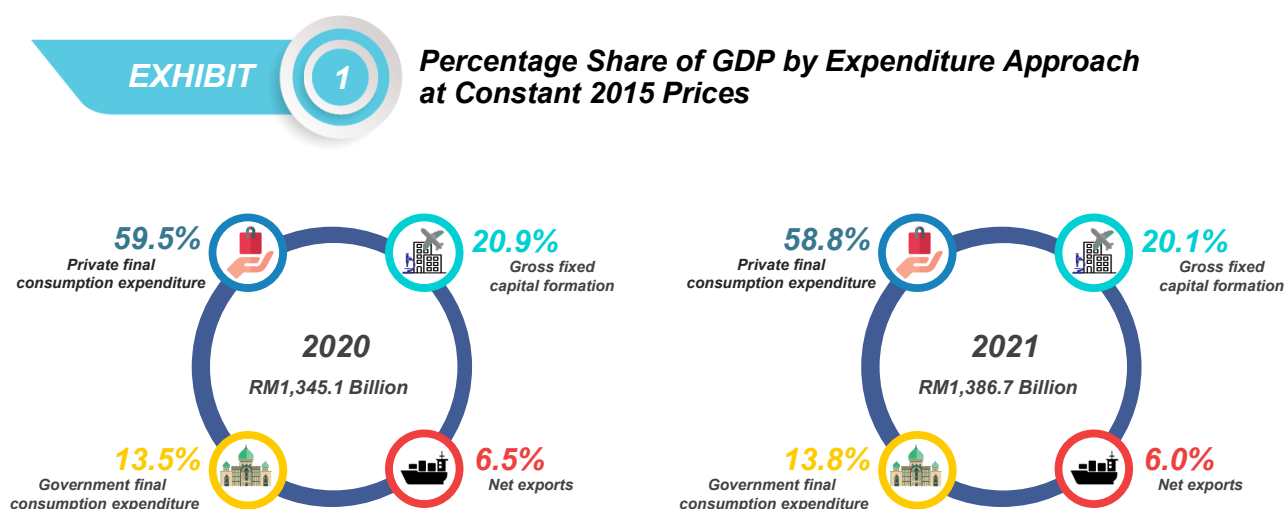
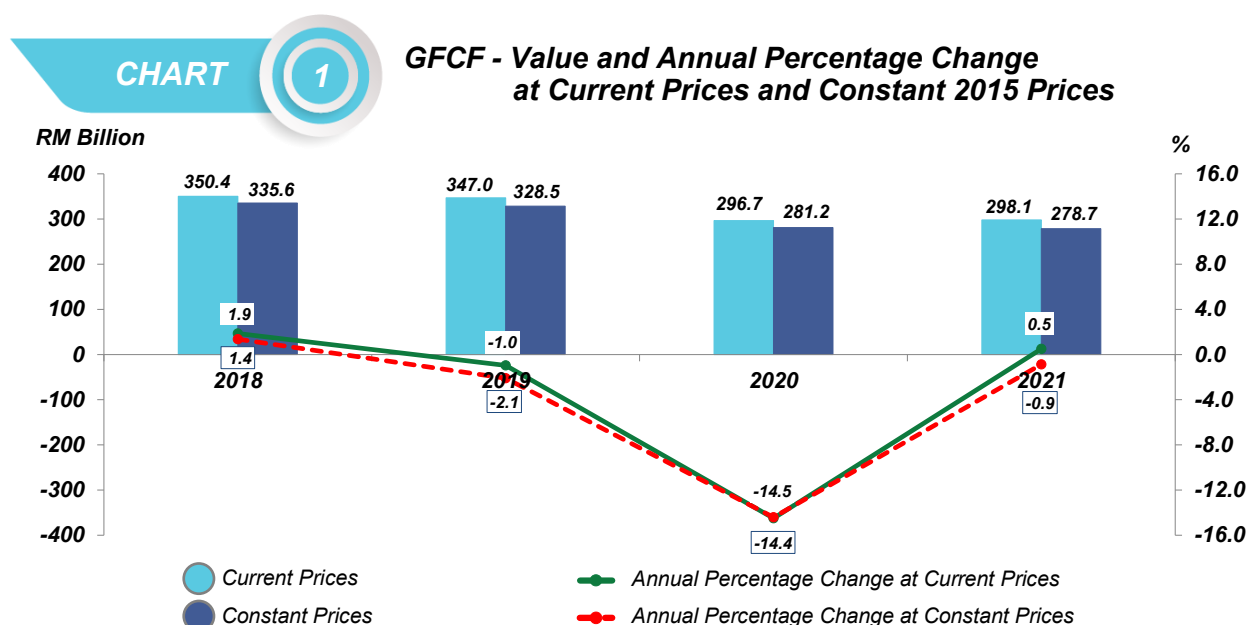
Aktiviti Perkhidmatan dan Pembuatan merupakan penyumbang utama dalam PMTK sektor Swasta seperti yang digambarkan di **Carta 2**. Sumbangan aktiviti Perkhidmatan meningkat kepada 63.0 peratus (2020: 62.9%). Selain itu, aktiviti Pembuatan mencatatkan sumbangan sebanyak 22.2 peratus berbanding 21.0 peratus pada tahun sebelumnya. Sementara itu, aktiviti-aktiviti lain menyumbang 14.8 peratus kepada keseluruhan PMTK sektor Swasta.

PMTK sektor Awam diterajui oleh aktiviti Perkhidmatan dengan sumbangan 81.5 peratus, diikuti oleh aktiviti Pembuatan dan Perlombongan & pengkuarian, masing-masing menyumbang 9.1 peratus dan 8.6 peratus.

SUMMARY OF FINDINGS

GROSS FIXED CAPITAL FORMATION 2021

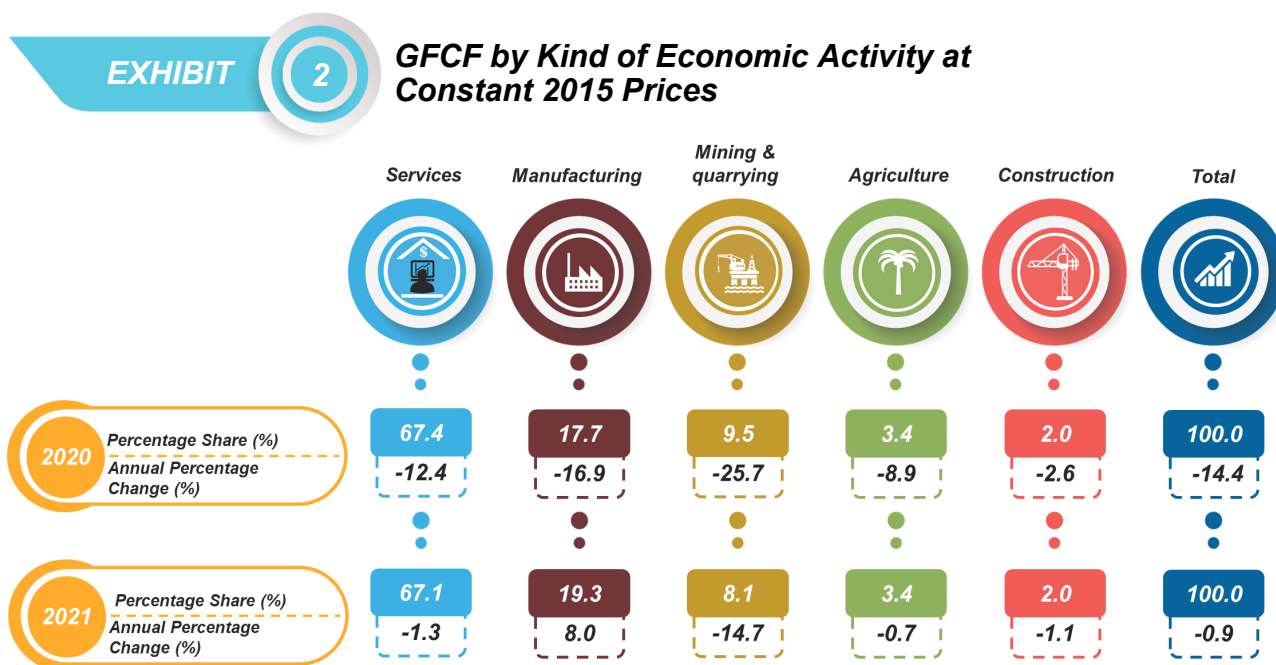
Malaysia's Gross Fixed Capital Formation (GFCF) for 2021 was RM298.1 billion at current prices, an increase of RM1.5 billion from 2020 and GFCF at constant prices was RM278.7 billion (**Chart 1**). GFCF recorded a marginal decline of 0.9 per cent at constant prices as compared to negative 14.4 per cent in the previous year. The downturn was influenced by lethargic performance in almost all sectors excluding Manufacturing. GFCF remained the second largest contributor to the Gross Domestic Product (GDP) with a contribution of 20.1 per cent (2020: 20.9%) as shown in **Exhibit 1**. The private sector continues to lead fixed asset while by type of asset, GFCF was mainly driven by Structure.



Note: Excluding Changes in Inventories, Valuables & Statistical Discrepancy

GFCF BY KIND OF ECONOMIC ACTIVITY

GFCF recorded a marginal decrease of 0.9 per cent as compared to negative 14.4 per cent in the preceding year (**Exhibit 2**), which was primarily influenced by the downfall in almost all sectors except Manufacturing in 2021.



GFCF in the **Services** sector declined 1.3 per cent, attributed to the decrease in Other services (including government services) and Finance, insurance, real estate & business services activities, which contracted 6.8 per cent and 4.6 per cent in 2021, respectively. Meanwhile, Wholesale & retail trade and Food & Beverage and accommodation accelerated to 13.2 per cent and 9.6 per cent, respectively.

The positive growth in fixed asset investment in the **Manufacturing** sector at 8.0 per cent (2020: -16.9%) was fueled by the favorable performance of the Food, beverages & tobacco (2021: 12.4%, 2020: 3.4%) and Electrical, electronic & optical products and transport equipment sub-sectors (2021: 5.9%, 2020: -17.9%). Meanwhile, Petroleum, chemical, rubber and plastic products strengthened to 9.7 per cent from negative 24.5 per cent in the previous year.

The **Mining and quarrying** sector recorded a smaller contraction of 14.7 per cent as against a decline of 25.7 per cent which was recorded in the preceding year. Furthermore, the **Agriculture** sector also fell by 0.7 per cent (2020: -8.9%) influenced by the sluggish performance of the Rubber and oil palm sub-sector (2021: -5.5%, 2020: -13.4%). Moreover, the **Construction** sector decreased 1.1 per cent in 2021 as compared to a decline of 2.6 per cent in 2020.

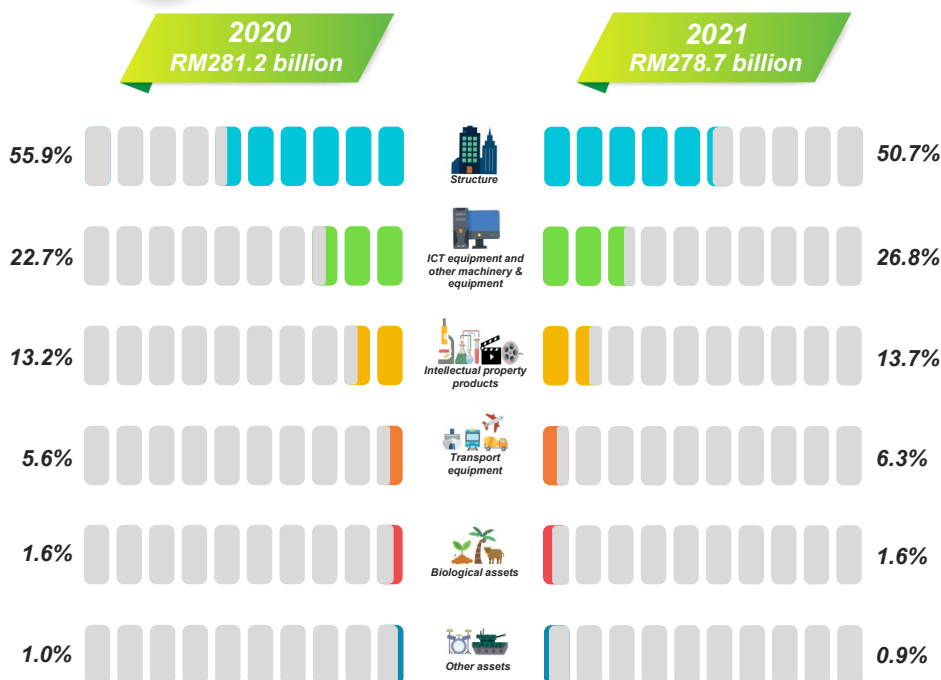
GFCF BY TYPE OF ASSETS

The acquisition of fixed assets by type of assets was supported by Structure with a contribution of 50.7 per cent (2020: 55.9%), which recorded a decrease of 10.1 per cent (2020: -18.3%). On the other hand, ICT equipment and other machinery & equipment and Intellectual property products grew 16.6 per cent (2020: -8.9%) and 2.9 per cent (2020: 0.7%), respectively.

EXHIBIT

3

Percentage Share of GFCF by Type of Assets at Constant 2015 Prices



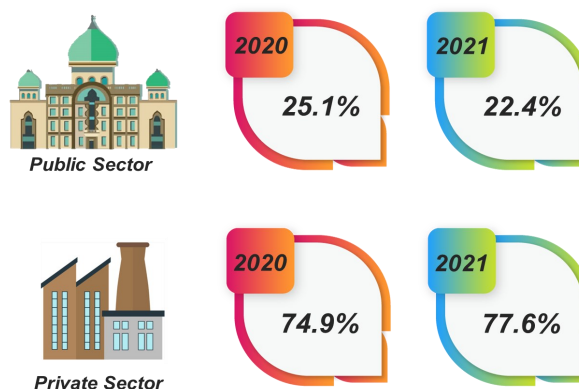
GFCF BY SECTOR AND KIND OF ECONOMIC ACTIVITY

The Private sector remained as the major contributor to GFCF (share: 77.6%) increased 2.6 per cent as compared to negative 11.9 per cent in the preceding year, as illustrated in **Exhibit 4**. In contrast, the Public sector (share: 22.4%) continued to record a downward trend which shrank 11.3 per cent in 2021.

EXHIBIT

4

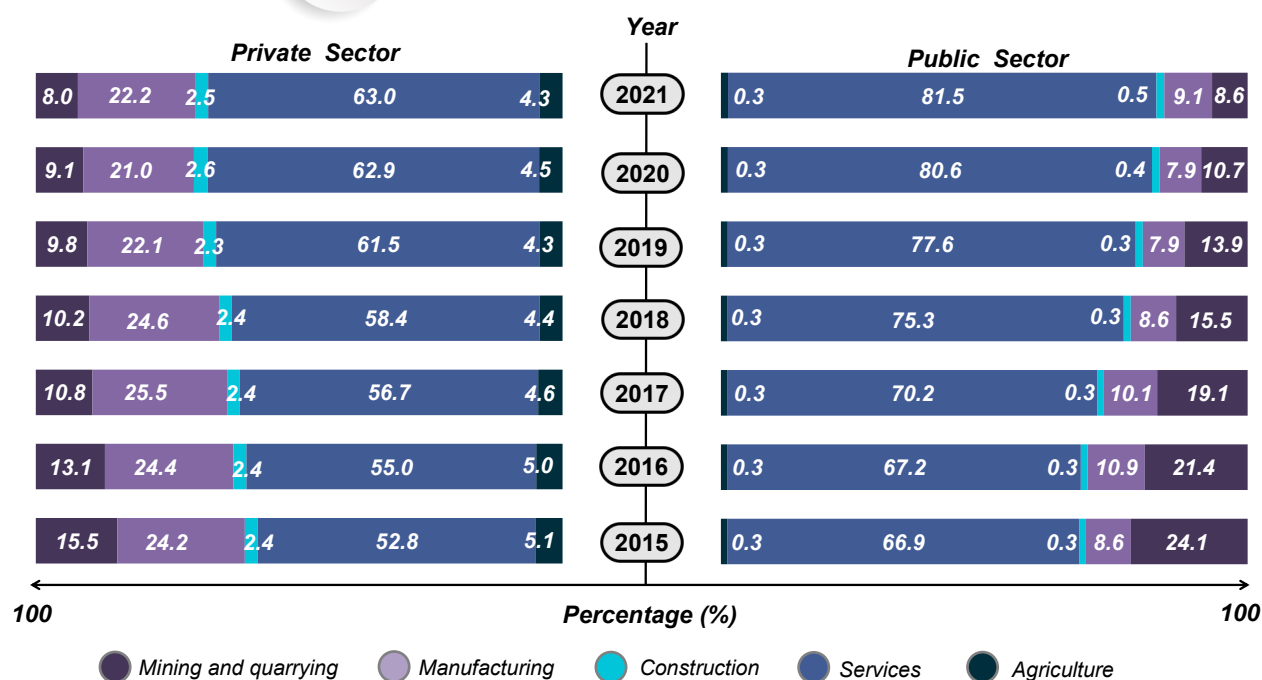
Percentage Share of GFCF by Sector at Constant 2015 Prices



CHART

2

Percentage Share of GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices



Services and Manufacturing activities were the main contributors in GFCF of the Private sector as depicted in **Chart 2**. The share of Services activity stepped up to 63.0 per cent (2020: 62.9%). Moreover, Manufacturing recorded a share of 22.2 per cent as compared to 21.0 per cent in the preceding year. Meanwhile, other activities contributed 14.8 per cent to the overall GFCF of the Private sector.

The GFCF of the Public sector was led by the Services activity with a share of 81.5 per cent, followed by Manufacturing and Mining & quarrying activities, which contributed 9.1 per cent and 8.6 per cent, respectively.

JADUAL STATISTIK
STATISTICAL TABLES

JADUAL 1A PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa
TABLE **1A** *GFCF by Kind of Economic Activity at Current Prices*

RM Juta/ Million

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Pertanian	10,324	10,825	11,176	11,139	11,363	10,392	10,456	Agriculture
Getah dan kelapa sawit	6,789	6,962	7,085	6,765	6,741	5,904	5,629	Rubber and oil palm
Ternakan dan perikanan	2,335	2,620	2,910	3,208	3,514	3,413	3,700	Livestock and fishing
Pertanian lain	1,199	1,244	1,181	1,166	1,108	1,075	1,127	Other agriculture
Perombongan dan pengkuarian	56,258	49,967	45,075	40,235	36,819	27,937	24,699	Mining and quarrying
Pembuatan	57,054	63,156	70,470	68,958	62,661	51,954	55,839	Manufacturing
Makanan, minuman dan tembakau	6,889	6,386	6,508	6,414	6,660	6,933	7,836	Food, beverages and tobacco
Produk tekstil dan kayu	2,862	2,834	2,770	2,839	2,649	2,479	2,548	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	21,158	27,029	28,995	28,299	23,943	17,885	19,151	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	5,436	5,465	6,418	6,069	5,642	4,922	5,411	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	20,709	21,443	25,779	25,337	23,768	19,736	20,893	Electrical, electronic & optical products and transport equipment
Pembinaan	5,065	5,418	5,884	6,193	6,229	6,147	6,084	Construction
Perkhidmatan	175,722	189,529	211,336	223,840	229,901	200,236	201,068	Services
Perdagangan borong dan runcit	14,629	15,550	16,807	17,230	17,170	16,547	18,889	Wholesale and retail trade
Makanan & minuman dan penginapan	3,576	3,980	4,473	4,852	5,233	5,214	5,585	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	41,597	43,773	50,951	54,134	54,888	40,423	43,364	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	60,105	70,167	76,536	80,933	84,296	75,498	71,559	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	55,815	56,059	62,569	66,691	68,314	62,554	61,672	Other services (including government services)
Jumlah	304,423	318,895	343,942	350,365	346,973	296,666	298,146	Total

JADUAL 1B PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015
TABLE **1B** *GFCF by Kind of Economic Activity at Constant 2015 Prices*

RM Juta/ Million

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Pertanian	10,324	10,619	10,719	10,534	10,561	9,624	9,558	Agriculture
Getah dan kelapa sawit	6,789	6,867	6,857	6,514	6,449	5,585	5,276	Rubber and oil palm
Ternakan dan perikanan	2,335	2,532	2,731	2,914	3,069	3,029	3,178	Livestock and fishing
Pertanian lain	1,199	1,219	1,132	1,107	1,042	1,010	1,104	Other agriculture
Perombongan dan pengkuarian	56,258	49,705	44,387	39,485	35,815	26,619	22,695	Mining and quarrying
Pembuatan	57,054	61,977	68,321	66,579	59,895	49,753	53,722	Manufacturing
Makanan, minuman dan tembakau	6,889	6,304	6,331	6,370	6,558	6,778	7,621	Food, beverages and tobacco
Produk tekstil dan kayu	2,862	2,798	2,697	2,730	2,525	2,355	2,421	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	21,158	26,332	28,075	27,239	22,656	17,104	18,754	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	5,436	5,387	6,113	5,764	5,349	4,791	5,104	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	20,709	21,156	25,106	24,476	22,808	18,725	19,821	Electrical, electronic & optical products and transport equipment
Pembinaan	5,065	5,350	5,743	5,992	5,912	5,757	5,691	Construction
Perkhidmatan	175,722	184,539	201,922	213,002	216,354	189,421	187,038	Services
Perdagangan borong dan runcit	14,629	15,230	16,124	16,251	15,893	15,333	17,357	Wholesale and retail trade
Makanan & minuman dan penginapan	3,576	3,905	4,306	4,530	4,890	4,862	5,329	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	41,597	42,627	48,578	52,580	52,452	39,152	41,537	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	60,105	67,864	72,846	76,541	79,609	71,594	68,314	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	55,815	54,913	60,068	63,101	63,509	58,480	54,502	Other services (including government services)
Jumlah	304,423	312,190	331,093	335,592	328,536	281,173	278,703	Total

JADUAL 1C PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Perubahan Peratusan Tahunan
TABLE 1C GFCF by Kind of Economic Activity at Current Prices - Annual Percentage Change

(%)

Jenis aktiviti ekonomi	Tahun/ Year						Kind of economic activity
	2016	2017	2018	2019	2020 ^e	2021 ^p	
Pertanian	4.9	3.2	-0.3	2.0	-8.6	0.6	Agriculture
Getah dan kelapa sawit	2.5	1.8	-4.5	-0.4	-12.4	-4.7	Rubber and oil palm
Ternakan dan perikanan	12.2	11.1	10.2	9.6	-2.9	8.4	Livestock and fishing
Pertanian lain	3.7	-5.0	-1.3	-5.0	-3.0	4.9	Other agriculture
Perlombongan dan pengkuarian	-11.2	-9.8	-10.7	-8.5	-24.1	-11.6	Mining and quarrying
Pembuatan	10.7	11.6	-2.1	-9.1	-17.1	7.5	Manufacturing
Makanan, minuman dan tembakau	-7.3	1.9	-1.4	3.8	4.1	13.0	Food, beverages and tobacco
Produk tekstil dan kayu	-1.0	-2.2	2.5	-6.7	-6.4	2.8	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	27.7	7.3	-2.4	-15.4	-25.3	7.1	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	0.5	17.4	-5.4	-7.0	-12.8	9.9	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	3.5	20.2	-1.7	-6.2	-17.0	5.9	Electrical, electronic & optical products and transport equipment
Pembinaan	7.0	8.6	5.2	0.6	-1.3	-1.0	Construction
Perkhidmatan	7.9	11.5	5.9	2.7	-12.9	0.4	Services
Perdagangan borong dan runcit	6.3	8.1	2.5	-0.3	-3.6	14.2	Wholesale and retail trade
Makanan & minuman dan penginapan	11.3	12.4	8.5	7.9	-0.4	7.1	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	5.2	16.4	6.2	1.4	-26.4	7.3	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	16.7	9.1	5.7	4.2	-10.4	-5.2	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	0.4	11.6	6.6	2.4	-8.4	-1.4	Other services (including government services)
Jumlah	4.8	7.9	1.9	-1.0	-14.5	0.5	Total

JADUAL 1D PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Perubahan Peratusan Tahunan
TABLE 1D GFCF by Kind of Economic Activity at Constant 2015 Prices - Annual Percentage Change

(%)

Jenis aktiviti ekonomi	Tahun/ Year						Kind of economic activity
	2016	2017	2018	2019	2020 ^e	2021 ^p	
Pertanian	2.9	0.9	-1.7	0.2	-8.9	-0.7	Agriculture
Getah dan kelapa sawit	1.1	-0.2	-5.0	-1.0	-13.4	-5.5	Rubber and oil palm
Ternakan dan perikanan	8.4	7.8	6.7	5.3	-1.3	4.9	Livestock and fishing
Pertanian lain	1.6	-7.2	-2.2	-5.8	-3.1	9.3	Other agriculture
Perlombongan dan pengkuarian	-11.6	-10.7	-11.0	-9.3	-25.7	-14.7	Mining and quarrying
Pembuatan	8.6	10.2	-2.6	-10.0	-16.9	8.0	Manufacturing
Makanan, minuman dan tembakau	-8.5	0.4	0.6	2.9	3.4	12.4	Food, beverages and tobacco
Produk tekstil dan kayu	-2.2	-3.6	1.2	-7.5	-6.7	2.8	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	24.5	6.6	-3.0	-16.8	-24.5	9.7	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	-0.9	13.5	-5.7	-7.2	-10.4	6.5	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	2.2	18.7	-2.5	-6.8	-17.9	5.9	Electrical, electronic & optical products and transport equipment
Pembinaan	5.6	7.3	4.3	-1.3	-2.6	-1.1	Construction
Perkhidmatan	5.0	9.4	5.5	1.6	-12.4	-1.3	Services
Perdagangan borong dan runcit	4.1	5.9	0.8	-2.2	-3.5	13.2	Wholesale and retail trade
Makanan & minuman dan penginapan	9.2	10.3	5.2	8.0	-0.6	9.6	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	2.5	14.0	8.2	-0.2	-25.4	6.1	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	12.9	7.3	5.1	4.0	-10.1	-4.6	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	-1.6	9.4	5.0	0.6	-7.9	-6.8	Other services (including government services)
Jumlah	2.6	6.1	1.4	-2.1	-14.4	-0.9	Total

JADUAL 1E PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK
TABLE 1E GFCF by Kind of Economic Activity at Current Prices - Percentage Share to Total GFCF

(%)

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Pertanian	3.4	3.4	3.2	3.2	3.3	3.5	3.5	Agriculture
Getah dan kelapa sawit	2.2	2.2	2.1	1.9	1.9	2.0	1.9	Rubber and oil palm
Ternakan dan perikanan	0.8	0.8	0.8	0.9	1.0	1.2	1.2	Livestock and fishing
Pertanian lain	0.4	0.4	0.3	0.3	0.3	0.4	0.4	Other agriculture
Perlombongan dan pengkuarian	18.5	15.7	13.1	11.5	10.6	9.4	8.3	Mining and quarrying
Pembuatan	18.7	19.8	20.5	19.7	18.1	17.5	18.7	Manufacturing
Makanan, minuman dan tembakau	2.3	2.0	1.9	1.8	1.9	2.3	2.6	Food, beverages and tobacco
Produk tekstil dan kayu	0.9	0.9	0.8	0.8	0.8	0.8	0.9	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	7.0	8.5	8.4	8.1	6.9	6.0	6.4	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	1.8	1.7	1.9	1.7	1.6	1.7	1.8	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	6.8	6.7	7.5	7.2	6.8	6.7	7.0	Electrical, electronic & optical products and transport equipment
Pembinaan	1.7	1.7	1.7	1.8	1.8	2.1	2.0	Construction
Perkhidmatan	57.7	59.4	61.4	63.9	66.3	67.5	67.4	Services
Perdagangan borong dan runcit	4.8	4.9	4.9	4.9	4.9	5.6	6.3	Wholesale and retail trade
Makanan & minuman dan penginapan	1.2	1.2	1.3	1.4	1.5	1.8	1.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	13.7	13.7	14.8	15.5	15.8	13.6	14.5	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.7	22.0	22.3	23.1	24.3	25.4	24.0	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	18.3	17.6	18.2	19.0	19.7	21.1	20.7	Other services (including government services)
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 1F PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Peratus Sumbangan kepada Jumlah PMTK
TABLE 1F GFCF by Kind of Economic Activity at Constant 2015 Prices - Percentage Share to Total GFCF

(%)

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Pertanian	3.4	3.4	3.2	3.1	3.2	3.4	3.4	Agriculture
Getah dan kelapa sawit	2.2	2.2	2.1	1.9	2.0	2.0	1.9	Rubber and oil palm
Ternakan dan perikanan	0.8	0.8	0.8	0.9	0.9	1.1	1.1	Livestock and fishing
Pertanian lain	0.4	0.4	0.3	0.3	0.3	0.4	0.4	Other agriculture
Perlombongan dan pengkuarian	18.5	15.9	13.4	11.8	10.9	9.5	8.1	Mining and quarrying
Pembuatan	18.7	19.9	20.6	19.8	18.2	17.7	19.3	Manufacturing
Makanan, minuman dan tembakau	2.3	2.0	1.9	1.9	2.0	2.4	2.7	Food, beverages and tobacco
Produk tekstil dan kayu	0.9	0.9	0.8	0.8	0.8	0.8	0.9	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	7.0	8.4	8.5	8.1	6.9	6.1	6.7	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	1.8	1.7	1.8	1.7	1.6	1.7	1.8	Non-metallic mineral products, basic metal and fabricated metal products
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	6.8	6.8	7.6	7.3	6.9	6.7	7.1	Electrical, electronic & optical products and transport equipment
Pembinaan	1.7	1.7	1.7	1.8	1.8	2.0	2.0	Construction
Perkhidmatan	57.7	59.1	61.0	63.5	65.9	67.4	67.1	Services
Perdagangan borong dan runcit	4.8	4.9	4.9	4.8	4.8	5.5	6.2	Wholesale and retail trade
Makanan & minuman dan penginapan	1.2	1.3	1.3	1.3	1.5	1.7	1.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	13.7	13.7	14.7	15.7	16.0	13.9	14.9	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.7	21.7	22.0	22.8	24.2	25.5	24.5	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	18.3	17.6	18.1	18.8	19.3	20.8	19.6	Other services (including government services)
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 2A PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa
TABLE *GFCF by Kind of Economic Activity and Type of Assets at Current Prices*

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Struktur	2,549	2,699	2,918	3,014	2,842	2,223	1,738	Structure	Agriculture
	Jentera dan peralatan	2,688	2,907	2,993	3,100	3,311	3,242	3,594	Machinery and equipment	
	Aset lain	5,087	5,219	5,265	5,025	5,210	4,927	5,124	Other assets	
Perlombongan dan pengkuarian	Struktur	33,839	30,142	26,226	21,931	23,936	18,589	15,565	Structure	Mining and quarrying
	Jentera dan peralatan	14,890	12,778	12,365	12,195	6,874	3,491	3,416	Machinery and equipment	
	Aset lain	7,529	7,048	6,484	6,109	6,009	5,857	5,717	Other assets	
Pembuatan	Struktur	17,442	20,765	21,141	22,198	19,298	15,284	14,168	Structure	Manufacturing
	Jentera dan peralatan	33,562	36,648	42,482	40,082	36,144	30,224	35,503	Machinery and equipment	
	Aset lain	6,051	5,744	6,847	6,679	7,219	6,446	6,167	Other assets	
Pembinaan	Struktur	1,138	1,106	1,114	1,492	1,857	1,824	1,740	Structure	Construction
	Jentera dan peralatan	3,840	4,223	4,676	4,607	4,281	4,234	4,258	Machinery and equipment	
	Aset lain	87	89	94	94	91	89	86	Other assets	
Perkhidmatan	Struktur	119,272	132,810	147,826	156,725	158,535	131,781	122,422	Structure	Services
	Jentera dan peralatan	47,419	47,754	54,806	57,365	61,455	60,134	69,379	Machinery and equipment	
	Aset lain	9,031	8,964	8,704	9,750	9,911	8,322	9,267	Other assets	
Jumlah	Struktur	174,240	187,521	199,226	205,359	206,468	169,700	155,634	Structure	Total
	Jentera dan peralatan	102,399	104,310	117,322	117,348	112,065	101,325	116,151	Machinery and equipment	
	Aset lain	27,784	27,064	27,394	27,657	28,440	25,642	26,361	Other assets	
Jumlah		304,423	318,895	343,942	350,365	346,973	296,666	298,146	Total	

JADUAL 2B PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset
TABLE *GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets*

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Struktur	24.7	24.9	26.1	27.1	25.0	21.4	16.6	Structure	Agriculture
	Jentera dan peralatan	26.0	26.9	26.8	27.8	29.1	31.2	34.4	Machinery and equipment	
	Aset lain	49.3	48.2	47.1	45.1	45.9	47.4	49.0	Other assets	
Perlombongan dan pengkuarian	Struktur	60.1	60.3	58.2	54.5	65.0	66.5	63.0	Structure	Mining and quarrying
	Jentera dan peralatan	26.5	25.6	27.4	30.3	18.7	12.5	13.8	Machinery and equipment	
	Aset lain	13.4	14.1	14.4	15.2	16.3	21.0	23.1	Other assets	
Pembuatan	Struktur	30.6	32.9	30.0	32.2	30.8	29.4	25.4	Structure	Manufacturing
	Jentera dan peralatan	58.8	58.0	60.3	58.1	57.7	58.2	63.6	Machinery and equipment	
	Aset lain	10.6	9.1	9.7	9.7	11.5	12.4	11.0	Other assets	
Pembinaan	Struktur	22.5	20.4	18.9	24.1	29.8	29.7	28.6	Structure	Construction
	Jentera dan peralatan	75.8	77.9	79.5	74.4	68.7	68.9	70.0	Machinery and equipment	
	Aset lain	1.7	1.6	1.6	1.5	1.5	1.4	1.4	Other assets	
Perkhidmatan	Struktur	67.9	70.1	69.9	70.0	69.0	65.8	60.9	Structure	Services
	Jentera dan peralatan	27.0	25.2	25.9	25.6	26.7	30.0	34.5	Machinery and equipment	
	Aset lain	5.1	4.7	4.1	4.4	4.3	4.2	4.6	Other assets	
Jumlah	Struktur	57.2	58.8	57.9	58.6	59.5	57.2	52.2	Structure	Total
	Jentera dan peralatan	33.6	32.7	34.1	33.5	32.3	34.2	39.0	Machinery and equipment	
	Aset lain	9.1	8.5	8.0	7.9	8.2	8.6	8.8	Other assets	
Jumlah		100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total	

JADUAL 3A PMTK mengikut Jenis Aset pada Harga Semasa
TABLE *GFCF by Type of Assets at Current Prices*

RM Juta/ Million

Jenis aset	Tahun/ Year							Type of assets
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Struktur	174,240	187,521	199,226	205,359	206,468	169,700	155,634	Structure
Peralatan pengangkutan	22,476	22,212	23,426	24,439	21,472	16,808	19,107	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	64,540	65,391	75,988	73,172	70,427	64,225	75,162	ICT equipment and other machinery & equipment
Aset biologi	4,833	4,963	5,123	4,951	5,149	4,877	4,952	Biological assets
Produk harta intelek	34,155	34,720	35,777	37,737	38,885	38,099	40,554	Intellectual property products
Aset lain	4,179	4,088	4,402	4,705	4,572	2,957	2,738	Other assets
Jumlah	304,423	318,895	343,942	350,365	346,973	296,666	298,146	Total

JADUAL 3B PMTK mengikut Jenis Aset pada Harga Semasa - Perubahan Peratusan Tahunan
TABLE *GFCF by Type of Assets at Current Prices - Annual Percentage Change*

(%)

Jenis aset	Tahun/ Year						Type of assets
	2016	2017	2018	2019	2020 ^e	2021 ^p	
Struktur	7.6	6.2	3.1	0.5	-17.8	-8.3	Structure
Peralatan pengangkutan	-1.2	5.5	4.3	-12.1	-21.7	13.7	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	1.3	16.2	-3.7	-3.8	-8.8	17.0	ICT equipment and other machinery & equipment
Aset biologi	2.7	3.2	-3.3	4.0	-5.3	1.5	Biological assets
Produk harta intelek	1.7	3.0	5.5	3.0	-2.0	6.4	Intellectual property products
Aset lain	-2.2	7.7	6.9	-2.8	-35.3	-7.4	Other assets
Jumlah	4.8	7.9	1.9	-1.0	-14.5	0.5	Total

JADUAL 3C PMTK mengikut Jenis Aset pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK
TABLE *GFCF by Type of Assets at Current Prices - Percentage Share to Total GFCF*

(%)

Jenis aset	Tahun/ Year							Type of assets
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Struktur	57.2	58.8	57.9	58.6	59.5	57.2	52.2	Structure
Peralatan pengangkutan	7.4	7.0	6.8	7.0	6.2	5.7	6.4	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	21.2	20.5	22.1	20.9	20.3	21.6	25.2	ICT equipment and other machinery & equipment
Aset biologi	1.6	1.6	1.5	1.4	1.5	1.6	1.7	Biological assets
Produk harta intelek	11.2	10.9	10.4	10.8	11.2	12.8	13.6	Intellectual property products
Aset lain	1.4	1.3	1.3	1.3	1.3	1.0	0.9	Other assets
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL **3D** PMTK mengikut Jenis Aset pada Harga Malar 2015
TABLE **3D** GFCF by Type of Assets at Constant 2015 Prices

RM Juta/ Million

Jenis aset	Tahun/ Year							Type of assets
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Struktur	174,240	182,203	189,713	193,330	192,423	157,257	141,408	Structure
Peralatan pengangkutan	22,476	21,794	22,511	23,855	20,259	15,634	17,501	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	64,540	65,024	75,190	73,185	70,194	63,959	74,602	ICT equipment and other machinery & equipment
Aset biologi	4,833	4,849	4,837	4,690	4,638	4,452	4,399	Biological assets
Produk harta intelek	34,155	34,381	34,698	36,133	36,859	37,117	38,208	Intellectual property products
Aset lain	4,179	3,940	4,142	4,398	4,163	2,753	2,585	Other assets
Jumlah	304,423	312,190	331,093	335,592	328,536	281,173	278,703	Total

JADUAL **3E** PMTK mengikut Jenis Aset pada Harga Malar 2015 - Perubahan Peratusan Tahunan
TABLE **3E** GFCF by Type of Assets at Constant 2015 Prices - Annual Percentage Change

(%)

Jenis aset	Tahun/ Year						Type of assets
	2016	2017	2018	2019	2020 ^e	2021 ^p	
Struktur	4.6	4.1	1.9	-0.5	-18.3	-10.1	Structure
Peralatan pengangkutan	-3.0	3.3	6.0	-15.1	-22.8	11.9	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	0.7	15.6	-2.7	-4.1	-8.9	16.6	ICT equipment and other machinery & equipment
Aset biologi	0.3	-0.2	-3.0	-1.1	-4.0	-1.2	Biological assets
Produk harta intelek	0.7	0.9	4.1	2.0	0.7	2.9	Intellectual property products
Aset lain	-5.7	5.1	6.2	-5.4	-33.9	-6.1	Other assets
Jumlah	2.6	6.1	1.4	-2.1	-14.4	-0.9	Total

JADUAL **3F** PMTK mengikut Jenis Aset pada Harga Malar 2015 - Peratus Sumbangan kepada Jumlah PMTK
TABLE **3F** GFCF by Type of Assets at Constant 2015 Prices - Percentage Share to Total GFCF

(%)

Jenis aset	Tahun/ Year							Type of assets
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Struktur	57.2	58.4	57.3	57.6	58.6	55.9	50.7	Structure
Peralatan pengangkutan	7.4	7.0	6.8	7.1	6.2	5.6	6.3	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	21.2	20.8	22.7	21.8	21.4	22.7	26.8	ICT equipment and other machinery & equipment
Aset biologi	1.6	1.6	1.5	1.4	1.4	1.6	1.6	Biological assets
Produk harta intelek	11.2	11.0	10.5	10.8	11.2	13.2	13.7	Intellectual property products
Aset lain	1.4	1.3	1.3	1.3	1.3	1.0	0.9	Other assets
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 4A PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa
TABLE *GFCF by Sector and Kind of Economic Activity at Current Prices*

RM Juta/ Million

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Sektor swasta								Private sector
Pertanian	10,048	10,539	10,886	10,861	11,087	10,151	10,214	Agriculture
Perombongan dan pengkuarian	30,685	27,316	24,668	24,452	24,057	20,022	18,668	Mining and quarrying
Pembuatan	47,961	51,664	59,583	60,131	55,358	46,191	49,710	Manufacturing
Pembinaan	4,780	5,128	5,572	5,866	5,904	5,833	5,779	Construction
Perkhidmatan	104,676	116,877	133,810	144,509	156,070	140,063	146,778	Services
Jumlah	198,150	211,525	234,520	245,819	252,476	222,259	231,149	Total
Sektor awam								Public sector
Pertanian	276	286	290	277	276	241	242	Agriculture
Perombongan dan pengkuarian	25,573	22,651	20,407	15,783	12,762	7,916	6,031	Mining and quarrying
Pembuatan	9,093	11,492	10,887	8,827	7,303	5,764	6,128	Manufacturing
Pembinaan	286	290	312	327	325	314	305	Construction
Perkhidmatan	71,046	72,651	77,526	79,332	73,831	60,173	54,290	Services
Jumlah	106,274	107,370	109,422	104,546	94,498	74,407	66,997	Total
Jumlah	304,423	318,895	343,942	350,365	346,973	296,666	298,146	Total

JADUAL 4B PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015
TABLE *GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices*

RM Juta/ Million

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2015	2016	2017	2018	2019	2020 ^e	2021 ^p	
Sektor swasta								Private sector
Pertanian	10,048	10,337	10,440	10,270	10,302	9,399	9,343	Agriculture
Perombongan dan pengkuarian	30,685	27,169	24,279	23,977	23,384	19,073	17,304	Mining and quarrying
Pembuatan	47,961	50,530	57,625	57,933	52,814	44,161	48,034	Manufacturing
Pembinaan	4,780	5,064	5,439	5,676	5,604	5,455	5,391	Construction
Perkhidmatan	104,676	113,877	127,812	137,487	146,923	132,563	136,076	Services
Jumlah	198,150	206,977	225,594	235,343	239,027	210,651	216,148	Total
Sektor awam								Public sector
Pertanian	276	282	280	264	259	225	215	Agriculture
Perombongan dan pengkuarian	25,573	22,535	20,108	15,508	12,430	7,546	5,391	Mining and quarrying
Pembuatan	9,093	11,447	10,696	8,645	7,080	5,592	5,688	Manufacturing
Pembinaan	286	287	304	317	308	302	300	Construction
Perkhidmatan	71,046	70,662	74,110	75,516	69,431	56,858	50,962	Services
Jumlah	106,274	105,213	105,499	100,249	89,508	70,522	62,556	Total
Jumlah	304,423	312,190	331,093	335,592	328,536	281,173	278,703	Total

JADUAL 4C PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa - Perubahan Peratusan Tahunan
TABLE 4C GFCF by Sector and Kind of Economic Activity at Current Prices - Annual Percentage Change

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year						Sector and kind of economic activity
	2016	2017	2018	2019	2020 ^e	2021 ^p	
Sektor swasta							Private sector
Pertanian	4.9	3.3	-0.2	2.1	-8.4	0.6	Agriculture
Perombongan dan pengkuarian	-11.0	-9.7	-0.9	-1.6	-16.8	-6.8	Mining and quarrying
Pembuatan	7.7	15.3	0.9	-7.9	-16.6	7.6	Manufacturing
Pembinaan	7.3	8.7	5.3	0.7	-1.2	-0.9	Construction
Perkhidmatan	11.7	14.5	8.0	8.0	-10.3	4.8	Services
Jumlah	6.8	10.9	4.8	2.7	-12.0	4.0	Total
Sektor awam							Public sector
Pertanian	3.6	1.2	-4.2	-0.3	-12.9	0.4	Agriculture
Perombongan dan pengkuarian	-11.4	-9.9	-22.7	-19.1	-38.0	-23.8	Mining and quarrying
Pembuatan	26.4	-5.3	-18.9	-17.3	-21.1	6.3	Manufacturing
Pembinaan	1.4	7.6	4.9	-0.8	-3.2	-2.9	Construction
Perkhidmatan	2.3	6.7	2.3	-6.9	-18.5	-9.8	Services
Jumlah	1.0	1.9	-4.5	-9.6	-21.3	-10.0	Total
Jumlah	4.8	7.9	1.9	-1.0	-14.5	0.5	Total

JADUAL 4D PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Perubahan Peratusan Tahunan
TABLE 4D GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices - Annual Percentage Change

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year						Sector and kind of economic activity
	2016	2017	2018	2019	2020 ^e	2021 ^p	
Sektor swasta							Private sector
Pertanian	2.9	1.0	-1.6	0.3	-8.8	-0.6	Agriculture
Perombongan dan pengkuarian	-11.5	-10.6	-1.2	-2.5	-18.4	-9.3	Mining and quarrying
Pembuatan	5.4	14.0	0.5	-8.8	-16.4	8.8	Manufacturing
Pembinaan	5.9	7.4	4.4	-1.3	-2.7	-1.2	Construction
Perkhidmatan	8.8	12.2	7.6	6.9	-9.8	2.6	Services
Jumlah	4.5	9.0	4.3	1.6	-11.9	2.6	Total
Sektor awam							Public sector
Pertanian	2.0	-0.8	-5.5	-2.0	-13.2	-4.4	Agriculture
Perombongan dan pengkuarian	-11.9	-10.8	-22.9	-19.8	-39.3	-28.6	Mining and quarrying
Pembuatan	25.9	-6.6	-19.2	-18.1	-21.0	1.7	Manufacturing
Pembinaan	0.3	6.1	4.1	-2.7	-2.0	-0.6	Construction
Perkhidmatan	-0.5	4.9	1.9	-8.1	-18.1	-10.4	Services
Jumlah	-1.0	0.3	-5.0	-10.7	-21.2	-11.3	Total
Jumlah	2.6	6.1	1.4	-2.1	-14.4	-0.9	Total

JADUAL 4E PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK
TABLE 4E GFCF by Sector and Kind of Economic Activity at Current Prices - Percentage Share to Total GFCF

(%)

Sektor dan jenis aktiviti ekonomi	2015	2016	Tahun/ Year		2019	2020 ^e	2021 ^p	Sector and kind of economic activity
Sektor swasta								Private sector
Pertanian	3.3	3.3	3.2	3.1	3.2	3.4	3.4	Agriculture
Perombongan dan pengkuarian	10.1	8.6	7.2	7.0	6.9	6.7	6.3	Mining and quarrying
Pembuatan	15.8	16.2	17.3	17.2	16.0	15.6	16.7	Manufacturing
Pembinaan	1.6	1.6	1.6	1.7	1.7	2.0	1.9	Construction
Perkhidmatan	34.4	36.7	38.9	41.2	45.0	47.2	49.2	Services
Jumlah	65.1	66.3	68.2	70.2	72.8	74.9	77.5	Total
Sektor awam								Public sector
Pertanian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Agriculture
Perombongan dan pengkuarian	8.4	7.1	5.9	4.5	3.7	2.7	2.0	Mining and quarrying
Pembuatan	3.0	3.6	3.2	2.5	2.1	1.9	2.1	Manufacturing
Pembinaan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Construction
Perkhidmatan	23.3	22.8	22.5	22.6	21.3	20.3	18.2	Services
Jumlah	34.9	33.7	31.8	29.8	27.2	25.1	22.5	Total
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 4F PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Peratus Sumbangan kepada Jumlah PMTK
TABLE 4F GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices - Percentage Share to Total GFCF

(%)

Sektor dan jenis aktiviti ekonomi	2015	2016	Tahun/ Year		2019	2020 ^e	2021 ^p	Sector and kind of economic activity
Sektor swasta								Private sector
Pertanian	3.3	3.3	3.2	3.1	3.1	3.3	3.4	Agriculture
Perombongan dan pengkuarian	10.1	8.7	7.3	7.1	7.1	6.8	6.2	Mining and quarrying
Pembuatan	15.8	16.2	17.4	17.3	16.1	15.7	17.2	Manufacturing
Pembinaan	1.6	1.6	1.6	1.7	1.7	1.9	1.9	Construction
Perkhidmatan	34.4	36.5	38.6	41.0	44.7	47.1	48.8	Services
Jumlah	65.1	66.3	68.1	70.1	72.8	74.9	77.6	Total
Sektor awam								Public sector
Pertanian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Agriculture
Perombongan dan pengkuarian	8.4	7.2	6.1	4.6	3.8	2.7	1.9	Mining and quarrying
Pembuatan	3.0	3.7	3.2	2.6	2.2	2.0	2.0	Manufacturing
Pembinaan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Construction
Perkhidmatan	23.3	22.6	22.4	22.5	21.1	20.2	18.3	Services
Jumlah	34.9	33.7	31.9	29.9	27.2	25.1	22.4	Total
Jumlah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total

JADUAL 4G PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Semasa - Peratus Sumbangan kepada Jenis Aktiviti Ekonomi
TABLE 4G GFCF by Kind of Economic Activity and Sector at Current Prices - Percentage Share to Kind of Economic Activity

(%)

Jenis aktiviti ekonomi dan sektor		Tahun/ Year							Kind of economic activity and sector	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Sektor Swasta	97.3	97.4	97.4	97.5	97.6	97.7	97.7	Private Sector	Agriculture
	Sektor Awam	2.7	2.6	2.6	2.5	2.4	2.3	2.3	Public Sector	
Perlombongan dan pengkuarian	Sektor Swasta	54.5	54.7	54.7	60.8	65.3	71.7	75.6	Private Sector	Mining and quarrying
	Sektor Awam	45.5	45.3	45.3	39.2	34.7	28.3	24.4	Public Sector	
Pembuatan	Sektor Swasta	84.1	81.8	84.6	87.2	88.3	88.9	89.0	Private Sector	Manufacturing
	Sektor Awam	15.9	18.2	15.4	12.8	11.7	11.1	11.0	Public Sector	
Pembinaan	Sektor Swasta	94.4	94.7	94.7	94.7	94.8	94.9	95.0	Private Sector	Construction
	Sektor Awam	5.6	5.3	5.3	5.3	5.2	5.1	5.0	Public Sector	
Perkhidmatan	Sektor Swasta	59.6	61.7	63.3	64.6	67.9	69.9	73.0	Private Sector	Services
	Sektor Awam	40.4	38.3	36.7	35.4	32.1	30.1	27.0	Public Sector	
Jumlah	Sektor Swasta	65.1	66.3	68.2	70.2	72.8	74.9	77.5	Private Sector	Total
	Sektor Awam	34.9	33.7	31.8	29.8	27.2	25.1	22.5	Public Sector	

JADUAL 4H PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Malar 2015 - Peratus Sumbangan kepada Jenis Aktiviti Ekonomi
TABLE 4H GFCF by Kind of Economic Activity and Sector at Constant 2015 Prices - Percentage Share to Kind of Economic Activity

(%)

Jenis aktiviti ekonomi dan sektor		Tahun/ Year							Kind of economic activity and sector	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Sektor Swasta	97.3	97.3	97.4	97.5	97.5	97.7	97.8	Private Sector	Agriculture
	Sektor Awam	2.7	2.7	2.6	2.5	2.5	2.3	2.2	Public Sector	
Perlombongan dan pengkuarian	Sektor Swasta	54.5	54.7	54.7	60.7	65.3	71.7	76.2	Private Sector	Mining and quarrying
	Sektor Awam	45.5	45.3	45.3	39.3	34.7	28.3	23.8	Public Sector	
Pembuatan	Sektor Swasta	84.1	81.5	84.3	87.0	88.2	88.8	89.4	Private Sector	Manufacturing
	Sektor Awam	15.9	18.5	15.7	13.0	11.8	11.2	10.6	Public Sector	
Pembinaan	Sektor Swasta	94.4	94.6	94.7	94.7	94.8	94.8	94.7	Private Sector	Construction
	Sektor Awam	5.6	5.4	5.3	5.3	5.2	5.2	5.3	Public Sector	
Perkhidmatan	Sektor Swasta	59.6	61.7	63.3	64.5	67.9	70.0	72.8	Private Sector	Services
	Sektor Awam	40.4	38.3	36.7	35.5	32.1	30.0	27.2	Public Sector	
Jumlah	Sektor Swasta	65.1	66.3	68.1	70.1	72.8	74.9	77.6	Private Sector	Total
	Sektor Awam	34.9	33.7	31.9	29.9	27.2	25.1	22.4	Public Sector	

JADUAL 5A PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa
TABLE Private Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Struktur	2,476	2,596	2,808	2,902	2,736	2,145	1,683	Structure	Agriculture
	Jentera dan peralatan	2,610	2,853	2,937	3,048	3,244	3,175	3,501	Machinery and equipment	
	Aset lain	4,962	5,090	5,141	4,911	5,108	4,830	5,030	Other assets	
Perlombongan dan pengkuarian	Struktur	19,865	16,221	14,413	13,518	15,441	12,902	11,356	Structure	Mining and quarrying
	Jentera dan peralatan	6,321	7,304	6,950	7,453	4,834	3,129	3,170	Machinery and equipment	
	Aset lain	4,499	3,791	3,305	3,481	3,782	3,990	4,142	Other assets	
Pembuatan	Struktur	13,224	14,939	16,140	17,285	14,802	11,207	10,046	Structure	Manufacturing
	Jentera dan peralatan	28,794	31,337	37,003	36,459	33,647	28,846	33,907	Machinery and equipment	
	Aset lain	5,943	5,389	6,440	6,387	6,909	6,137	5,756	Other assets	
Pembinaan	Struktur	1,114	1,060	1,069	1,423	1,772	1,724	1,666	Structure	Construction
	Jentera dan peralatan	3,582	3,985	4,416	4,355	4,048	4,023	4,030	Machinery and equipment	
	Aset lain	84	83	87	87	84	85	82	Other assets	
Perkhidmatan	Struktur	71,579	80,297	91,952	102,197	110,538	90,141	90,732	Structure	Services
	Jentera dan peralatan	27,734	31,490	36,600	36,291	39,385	44,022	50,134	Machinery and equipment	
	Aset lain	5,362	5,091	5,258	6,020	6,147	5,901	5,912	Other assets	
Jumlah	Struktur	108,259	115,113	126,382	137,326	145,289	118,119	115,483	Structure	Total
	Jentera dan peralatan	69,041	76,968	87,907	87,606	85,157	83,196	94,743	Machinery and equipment	
	Aset lain	20,850	19,444	20,231	20,887	22,030	20,944	20,922	Other assets	

JADUAL 5B PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa
TABLE Public Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Struktur	73	103	111	111	106	78	55	Structure	Agriculture
	Jentera dan peralatan	78	55	55	51	68	66	93	Machinery and equipment	
	Aset lain	125	129	124	115	103	97	94	Other assets	
Perlombongan dan pengkuarian	Struktur	13,974	13,920	11,813	8,413	8,496	5,687	4,209	Structure	Mining and quarrying
	Jentera dan peralatan	8,569	5,473	5,415	4,741	2,039	361	247	Machinery and equipment	
	Aset lain	3,030	3,257	3,180	2,628	2,227	1,867	1,575	Other assets	
Pembuatan	Struktur	4,217	5,826	5,001	4,913	4,496	4,076	4,122	Structure	Manufacturing
	Jentera dan peralatan	4,768	5,311	5,479	3,623	2,498	1,378	1,596	Machinery and equipment	
	Aset lain	108	355	407	292	309	309	411	Other assets	
Pembinaan	Struktur	24	46	45	68	85	100	74	Structure	Construction
	Jentera dan peralatan	259	238	260	252	233	211	228	Machinery and equipment	
	Aset lain	3	6	7	7	7	4	4	Other assets	
Perkhidmatan	Struktur	47,693	52,513	55,874	54,528	47,997	41,640	31,690	Structure	Services
	Jentera dan peralatan	19,685	16,265	18,206	21,074	22,070	16,112	19,245	Machinery and equipment	
	Aset lain	3,668	3,874	3,446	3,730	3,764	2,421	3,355	Other assets	
Jumlah	Struktur	65,981	72,408	72,844	68,033	61,180	51,581	40,150	Structure	Total
	Jentera dan peralatan	33,358	27,342	29,415	29,742	26,908	18,128	21,408	Machinery and equipment	
	Aset lain	6,935	7,620	7,163	6,771	6,410	4,698	5,439	Other assets	

JADUAL 5C PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset
TABLE Private Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Struktur	24.6	24.6	25.8	26.7	24.7	21.1	16.5	Structure	Agriculture
	Jentera dan peralatan	26.0	27.1	27.0	28.1	29.3	31.3	34.3	Machinery and equipment	
	Aset lain	49.4	48.3	47.2	45.2	46.1	47.6	49.2	Other assets	
Perlombongan dan pengkuarian	Struktur	64.7	59.4	58.4	55.3	64.2	64.4	60.8	Structure	Mining and quarrying
	Jentera dan peralatan	20.6	26.7	28.2	30.5	20.1	15.6	17.0	Machinery and equipment	
	Aset lain	14.7	13.9	13.4	14.2	15.7	19.9	22.2	Other assets	
Pembuatan	Struktur	27.6	28.9	27.1	28.7	26.7	24.3	20.2	Structure	Manufacturing
	Jentera dan peralatan	60.0	60.7	62.1	60.6	60.8	62.5	68.2	Machinery and equipment	
	Aset lain	12.4	10.4	10.8	10.6	12.5	13.3	11.6	Other assets	
Pembinaan	Struktur	23.3	20.7	19.2	24.3	30.0	29.6	28.8	Structure	Construction
	Jentera dan peralatan	74.9	77.7	79.3	74.2	68.6	69.0	69.7	Machinery and equipment	
	Aset lain	1.8	1.6	1.6	1.5	1.4	1.5	1.4	Other assets	
Perkhidmatan	Struktur	68.4	68.7	68.7	70.7	70.8	64.4	61.8	Structure	Services
	Jentera dan peralatan	26.5	26.9	27.4	25.1	25.2	31.4	34.2	Machinery and equipment	
	Aset lain	5.1	4.4	3.9	4.2	3.9	4.2	4.0	Other assets	
Jumlah	Struktur	54.6	54.4	53.9	55.9	57.5	53.1	50.0	Structure	Total
	Jentera dan peralatan	34.8	36.4	37.5	35.6	33.7	37.4	41.0	Machinery and equipment	
	Aset lain	10.5	9.2	8.6	8.5	8.7	9.4	9.1	Other assets	

JADUAL 5D PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset
TABLE Public Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year							Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020 ^e	2021 ^p		
Pertanian	Struktur	26.3	36.0	38.2	40.2	38.4	32.3	22.8	Structure	Agriculture
	Jentera dan peralatan	28.3	19.1	19.1	18.5	24.5	27.5	38.4	Machinery and equipment	
	Aset lain	45.4	44.9	42.7	41.3	37.1	40.2	38.8	Other assets	
Perlombongan dan pengkuarian	Struktur	54.6	61.5	57.9	53.3	66.6	71.8	69.8	Structure	Mining and quarrying
	Jentera dan peralatan	33.5	24.2	26.5	30.0	16.0	4.6	4.1	Machinery and equipment	
	Aset lain	11.8	14.4	15.6	16.7	17.4	23.6	26.1	Other assets	
Pembuatan	Struktur	46.4	50.7	45.9	55.7	61.6	70.7	67.3	Structure	Manufacturing
	Jentera dan peralatan	52.4	46.2	50.3	41.0	34.2	23.9	26.0	Machinery and equipment	
	Aset lain	1.2	3.1	3.7	3.3	4.2	5.4	6.7	Other assets	
Pembinaan	Struktur	8.4	15.9	14.5	20.8	26.1	31.8	24.2	Structure	Construction
	Jentera dan peralatan	90.5	82.2	83.3	77.1	71.7	67.1	74.6	Machinery and equipment	
	Aset lain	1.0	1.9	2.1	2.1	2.2	1.1	1.2	Other assets	
Perkhidmatan	Struktur	67.1	72.3	72.1	68.7	65.0	69.2	58.4	Structure	Services
	Jentera dan peralatan	27.7	22.4	23.5	26.6	29.9	26.8	35.4	Machinery and equipment	
	Aset lain	5.2	5.3	4.4	4.7	5.1	4.0	6.2	Other assets	
Jumlah	Struktur	62.1	67.4	66.6	65.1	64.7	69.3	59.9	Structure	Total
	Jentera dan peralatan	31.4	25.5	26.9	28.4	28.5	24.4	32.0	Machinery and equipment	
	Aset lain	6.5	7.1	6.5	6.5	6.8	6.3	8.1	Other assets	

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PENGENALAN

Penerbitan ini memberikan maklumat Pembentukan Modal Tetap Kasar (PMTK) mengikut jenis aktiviti ekonomi, jenis aset dan sektor bagi tahun 2015 hingga 2021. Penganggaran ini telah diselaraskan dengan pengasasan semula KDNK tahun asas 2015. Perangkaan ini telah disusun berdasarkan garis panduan yang disarankan oleh *System of National Accounts 2008 (2008 SNA)*.

KONSEP DAN DEFINISI

PMTK diukur dengan jumlah nilai perolehan aset tetap, ditolak pelupusan aset tetap oleh residen dalam tempoh perakaunan yang digunakan secara berulang kali dan berterusan dalam proses pengeluaran serta perbelanjaan ke atas perkhidmatan yang menambah nilai kepada aset bukan pengeluaran.



Perolehan termasuk pembelian aset (baru atau terpakai) dan pembinaan aset oleh pengeluar untuk kegunaan mereka sendiri. Pelupusan termasuk jualan aset untuk skrap serta jualan aset terpakai yang masih boleh digunakan oleh pengeluar lain. PMTK juga dikenali sebagai pelaburan dalam aset tetap yang digunakan berulang kali dalam proses pengeluaran bagi tempoh lebih dari setahun.

Bagi kes isi rumah sebagai pengguna, semua perbelanjaan ke atas aset tetap seperti peralatan pengangkutan dan jentera & peralatan tidak dianggap sebagai PMTK tetapi ia merupakan penggunaan akhir. Walau bagaimanapun, ia adalah satu pengecualian bagi pembelian tempat kediaman untuk tujuan didiami oleh pemilik kerana pengeluaran perkhidmatan perumahan oleh pemilik penghuni diambil kira dalam 2008 SNA sebagai pengeluaran akaun sendiri.

ASET

Aset adalah alat penyimpan nilai yang mewakili faedah atau beberapa faedah terakru bagi pemilik ekonomi melalui pegangan atau penggunaan entiti tersebut dalam satu tempoh masa. Ia merupakan satu cara membawa nilai ke hadapan dari satu tempoh perakaunan ke tempoh yang lain.

Aset boleh dibezakan pada klasifikasi peringkat pertama antara aset bukan kewangan dan aset kewangan. Bagi aset bukan kewangan, ia dibezakan antara aset pengeluaran dan aset bukan pengeluaran. Aset pengeluaran terdiri daripada struktur, jentera & peralatan dan aset lain.

PEMILIKAN ASET

Aset dibahagikan kepada dua jenis pemilikan. **Pemilikan sah** adalah unit institusi yang dikenal pasti oleh undang-undang untuk menuntut faedah yang berkaitan dengan entiti. **Pemilikan ekonomi** adalah unit institusi yang berhak menuntut faedah berkaitan dengan penggunaan entiti dalam aktiviti ekonomi kerana menerima risiko yang berkaitan.

PMTK MENGIKUT JENIS ASET

Bagi tujuan penerbitan ini, PMTK mengikut jenis aset dikelaskan kepada dua kategori. Kategori pertama terdiri daripada tiga jenis aset iaitu struktur, jentera & peralatan dan aset lain. Kategori yang seterusnya dibezakan mengikut enam jenis aset yang dinyatakan seperti berikut:

Kategori Tiga Jenis Aset	Keterangan	Kategori Enam Jenis Aset
Struktur	Bangunan kediaman	Struktur
	Bangunan bukan kediaman	
	Pembinaan lain	
	Struktur platform bagi aktiviti minyak dan gas	
Jentera & Peralatan	Pesawat, kapal, kereta api, lokomotif, kenderaan komersil, kereta penumpang dan lain-lain	Peralatan pengangkutan
	Lain-lain jentera & peralatan	Peralatan ICT dan Lain-lain Jentera & Peralatan
	Peralatan ICT	
	Perisian komputer & pangkalan data	Produk Harta Intelek
Aset Lain	Hiburan, sastera & seni asal	
	Penyelidikan & pembangunan	
	Cari gali mineral & penilaian	
	Ternakan yang menghasilkan pengeluaran berulang kali seperti haiwan yang digunakan untuk tujuan pembiakan, pengangkutan atau hiburan	Aset Biologi
	Pokok, tumbuhan dan sumber tanaman yang menghasilkan pengeluaran berulang kali contohnya kelapa sawit, getah dan pokok buah-buahan	
	Sistem persenjataan	Aset Lain
	Kos pindah hak milik tanah dan lain-lain yang tidak terkelas di tempat lain	

PMTK MENGIKUT SEKTOR

Klasifikasi **sektor Awam** dan **Swasta** menyediakan satu standard untuk penyusunan perangkaan yang membahagikan ekonomi residen kepada sektor ekonomi yang luas bergantung sama ada dikawal oleh kerajaan atau sebaliknya.

Sektor Awam terdiri daripada semua unit kerajaan dan semua unit institusi dan juga unit institusi *notional* yang dikawal secara langsung atau tidak langsung oleh kerajaan iaitu perbadanan awam. Kriteria yang perlu dipertimbangkan sebagai kawalan adalah seperti berikut:

- Pemilikan majoriti kepentingan mengundi; atau
- Kawalan ke atas lembaga atau badan pentadbir lain; atau
- Kawalan dari segi pelantikan dan pemecatan jawatan utama; atau
- Kawalan ke atas jawatankuasa utama entiti; atau
- Saham kencana dan opsyen; atau
- Peraturan dan kawalan; atau
- Kawalan oleh pelanggan utama; atau
- Kawalan disebabkan pinjaman daripada kerajaan

Sektor Swasta terdiri daripada semua unit residen yang dikendalikan oleh syarikat swasta kecuali yang dikawal oleh kerajaan. Contoh sektor Swasta ialah unit institusi isi rumah, *NPISHs* dan perbadanan swasta. Jadual A membezakan sektor Awam dan Swasta mengikut unit institusi.

Jadual A: Sektor Awam dan Swasta mengikut Unit Institusi

Perbadanan Bukan Kewangan	Perbadanan Kewangan	Kerajaan Am	<i>NPISHs</i>	Isi Rumah
Awam	Awam	Awam	Swasta	Swasta
Swasta	Swasta			

Penentuan PMTK mengikut sektor merujuk kepada pemilikan aset tetap. Dalam kebanyakan kes, penentuan pemilikan aset tetap adalah jelas; satu unit tunggal yang memperoleh aset untuk digunakan dalam pengeluaran. Bagi industri hulu minyak dan gas, ciri-ciri perniagaan adalah berbeza daripada yang lain di mana pengeluar berkongsi risiko dan ganjaran aset di antara unit yang berbeza pada satu masa. Bagi kes seperti ini, 2008 SNA menyarankan untuk merekodkan aset yang dikongsi di antara unit perlu berkadar dengan pemilikan syer.

PMTK MENGIKUT JENIS AKTIVITI EKONOMI

Jenis aktiviti ekonomi merujuk kepada kumpulan pertubuhan yang terlibat dalam aktiviti utama yang sama. Aktiviti utama pertubuhan adalah kumpulan dalam industri berdasarkan kepada Piawaian Klasifikasi Industri Malaysia 2008 yang selari dengan *International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 4*. Bagi penyusunan ini, semua unit kerajaan disusun di bawah aktiviti Perkhidmatan. Jadual B menunjukkan lima aktiviti utama ekonomi mengikut sub aktiviti.

Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti

Jenis Aktiviti Ekonomi	Keterangan
 PERTANIAN	
Getah & Kelapa Sawit	• Getah • Kelapa Sawit
Ternakan & Perikanan	• Ternakan ayam dan itik • Lembu/ kerbau • Ternakan lain • Perikanan laut • Akuakultur
Pertanian Lain	• Perhutanan dan pembalakan • Padi • Sayur-sayuran • Buah-buahan • Tanaman makanan • Lain-lain
 PERLOMBONGAN DAN PENGKUARIAN	
Perlombongan dan Pengkuarian	• Minyak mentah dan kondensat • Gas asli • Perlombongan lain & pengkuarian dan perkhidmatan sokongan
 PEMBUATAN	
Makanan, Minuman & Tembakau	• Minyak dan lemak daripada sayuran & haiwan • Prosesan makanan • Minuman • Produk tembakau

Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti (samb.)

Jenis Aktiviti Ekonomi	Keterangan
Produk Tekstil & Kayu	• Tekstil dan pakaian • Kulit dan produk berkaitan • Keluaran kayu • Kertas dan produk kertas • Percetakan dan pengeluaran semula media rakaman • Perabot
Produk Petroleum, Kimia, Getah & Plastik	• Produk petroleum bertapis • Bahan kimia & produk kimia dan produk farmaseutikal • Produk getah • Produk plastik
Produk Mineral Bukan Logam, Logam Asas & Produk Logam Yang Direka	• Produk mineral bukan logam • Logam asas • Produk logam yang direka
Produk Elektrik, Elektronik & Optikal dan Peralatan Pengangkutan	• Jentera dan peralatan • Komputer dan kelengkapan peranti • Kelengkapan elektrik • Komponen & papan elektronik, peralatan komunikasi dan elektronik pengguna • Pembuatan peralatan perubatan, ketepatan & optik, jam tangan dan jam • Kenderaan bermotor dan peralatan pengangkutan • Pembuatan lain dan pembaikan & pemasangan mesin dan kelengkapan

Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti (samb.)

Jenis Aktiviti Ekonomi	Keterangan
 PEMBINAAN	
Pembinaan	• Bangunan kediaman • Bangunan bukan kediaman • Kejuruteraan awam • Aktiviti pembinaan pertukangan khas
 PERKHIDMATAN	
Perdagangan Borong dan Runcit	• Perdagangan borong • Perdagangan runcit • Kenderaan bermotor
Makanan & Minuman dan Penginapan	• Makanan dan minuman • Penginapan
Pengangkutan & Penyimpanan dan Maklumat & Komunikasi	• Pengangkutan darat • Pengangkutan air • Pengangkutan udara • Pelabuhan dan operasi lapangan terbang • Operasi lebuh raya • Aktiviti sokongan untuk pengangkutan • Pos dan kurier • Aktiviti penerbitan dan penyiaran • Telekomunikasi • Aktiviti komputer dan perkhidmatan maklumat
Kewangan, Insurans, Hartanah dan Perkhidmatan Perniagaan	• Pengantara kewangan • Lain-lain pengantara kewangan dan aktiviti sokongan kewangan • Insurans dan tabungan pencen • Aktiviti sokongan insurans • Hartanah

Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti (samb.)

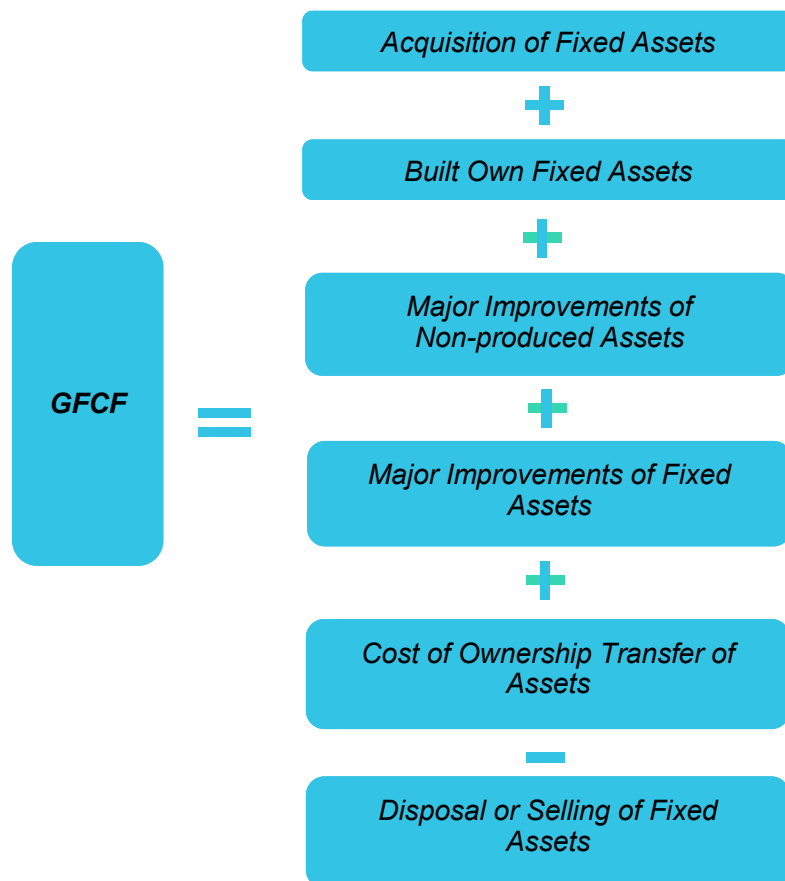
Jenis Aktiviti Ekonomi	Keterangan
	• Profesional, saintifik dan teknikal • Pentadbiran dan khidmat sokongan • Kediaman yang didiami oleh pemilik
Perkhidmatan Lain	• Elektrik dan gas • Air, pembentungan dan pengurusan sisa • Perkhidmatan kesihatan swasta • Perkhidmatan pendidikan swasta • Perkhidmatan swasta lain • Perkhidmatan kerajaan • Institusi bukan keuntungan yang berkhidmat kepada isi rumah • Perkhidmatan domestik bagi isi rumah

INTRODUCTION

This publication provides information on Gross Fixed Capital Formation (GFCF) by kind of economic activity, type of assets and sector for year 2015 to 2021. The estimation has been realigned with the rebasing of GDP base year 2015. The statistics are compiled based on the guidelines recommended by System of National Accounts 2008 (2008 SNA).

CONCEPTS AND DEFINITIONS

GFCF is measured by the total value acquired, less disposal of fixed assets by the residents during the accounting period which are used repeatedly or continuously for production plus expenditure on services that adds value to the non-produced assets.



Acquisition includes both purchases of assets (new or used) and the construction of assets by producers for their own use. Disposals include sales of assets for scrap as well as sales of used assets in a working condition to other producers. GFCF is also known as investment in fixed assets that used repeatedly in the process of production for more than one year.

In the case of households as consumers, all expenditure on fixed assets such as transport equipment and machinery & equipment are not considered as GFCF but final consumption. However, it is an exception for purchase on dwellings for residential purpose since the production of housing services by owner-occupiers is considered in 2008 SNA as own account production.

ASSET

An asset is a store of value representing a benefit or series of benefits accruing to the economic owner by holding or using the entity over a period of time. It is a means of carrying forward value from one accounting period to another.

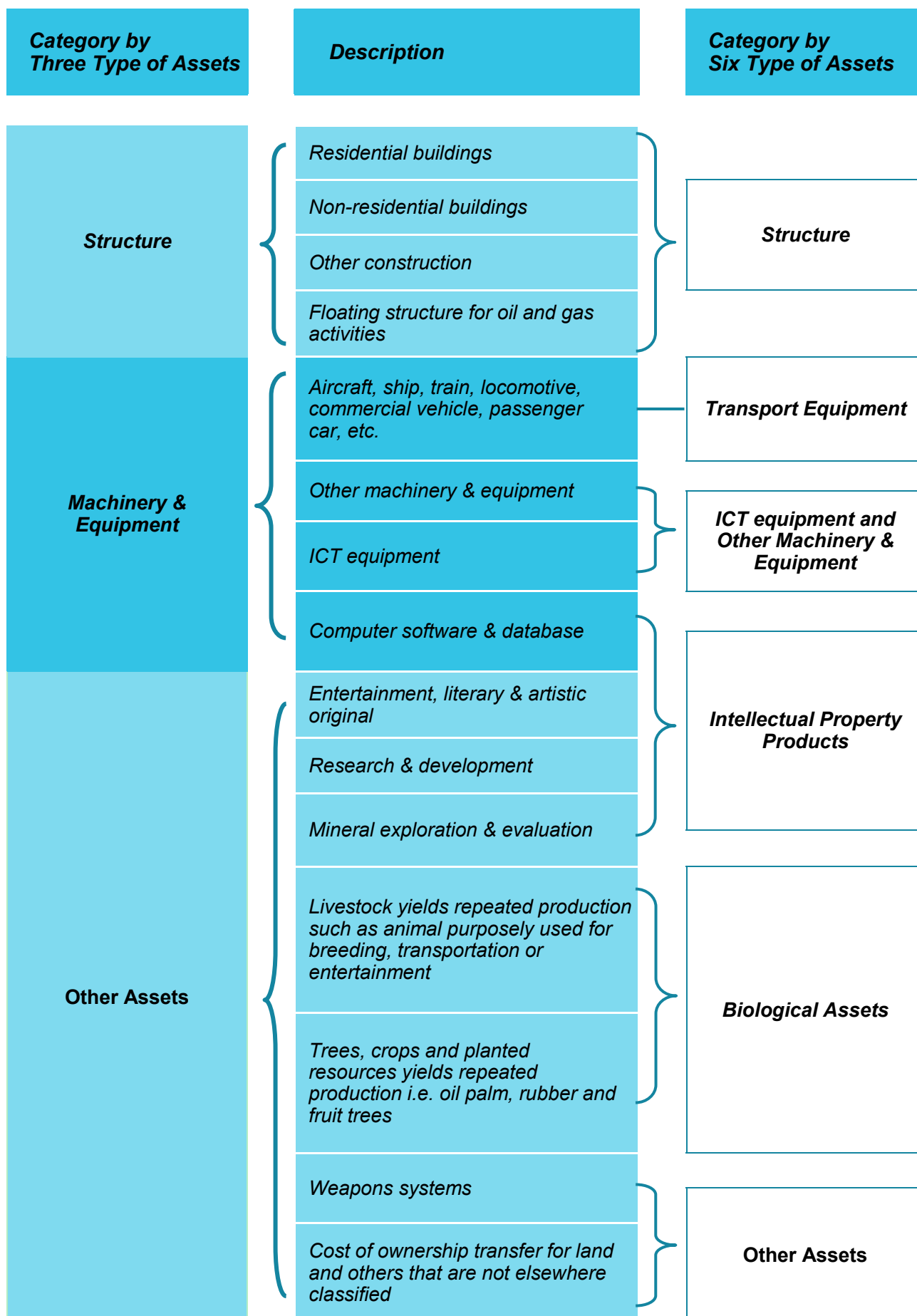
Asset is distinguished at the first level of the classification between non-financial asset and financial asset. Within non-financial asset, it is distinguished between produced and non-produced asset. Produced asset consists of structure, machinery & equipment and other assets.

OWNERSHIP OF ASSET

*Asset is divided into two types of ownership. **Legal ownership** is the institutional unit identified by law to claim the benefits associated with the entities. **Economic ownership** is the institutional unit entitled to claim the benefits associated with the use of the entity in the course of an economic activity by virtue of*

GFCF BY TYPE OF ASSETS

For the purpose of this publication, GFCF by type of assets are classified into two categories. The first category consists of three types of assets that are structure, machinery & equipment and other assets. The latter is distinguished by six types of assets expressed as follows:



GFCF BY SECTOR

The **Public** and **Private sectors** classification provides a standard for the compilation of statistics that divide the resident economy into broad economic sector depending on whether they are controlled by government or otherwise.

The **Public sector** comprises all government units and all institutional units and also notional institutional units controlled directly or indirectly by government i.e. public corporation. The criteria to be considered as control are as follows:

- Ownership of the majority of the voting interest; or
- Control of the board or other governing body; or
- Control of the appointment and removal of key personnel; or
- Control of key committees of the entity; or
- Golden shares and options; or
- Regulation and control; or
- Control by a dominant customer; or
- Control attached to borrow from the government

Private sector comprises all resident units operated by private enterprises except those controlled by government. Example of Private sector is household institution units, NPISHs and private corporations. Table A distinguishes Public and Private sectors by institutional units.

Table A: Public and Private Sectors by Institutional Units

Non-financial Corporation	Financial Corporation	General Government	NPISHs	Households
Public	Public	Public	Private	Private
Private	Private			

The determination of GFCF by sector refers to the ownership of fixed assets. In most cases, the ownership of fixed assets is straightforward; a single unit that acquires the asset for use in production. For oil and gas upstream industry, the nature of business is different from others whereby the producers share the risks and rewards of assets between different units at a point of time. In such cases, 2008 SNA recommends to record the assets shared between the units in proportionate to their ownership shares.

GFCF BY KIND OF ECONOMIC ACTIVITY

Kind of economic activity refers to the group of establishments engaged in the similar principal activity. The principal activity of establishments are grouped into industries according to the Malaysia Standard Industrial Classification 2008 which is aligned with the International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 4. In this compilation, all government units are grouped under Services activity. Table B shows the five main economic activities by sub activities.

Table B: Main Economic Activity by Sub-activity

Kind of Economic Activity	Description
 AGRICULTURE	
Rubber & Oil Palm	• Rubber • Oil Palm
Livestock & Fishing	• Poultry • Cattle • Other livestock • Marine fishing • Aquaculture
Other Agriculture	• Forestry and logging • Paddy • Vegetables • Fruits • Food crops • Others
 MINING AND QUARRYING	
Mining and Quarrying	• Crude oil and condensate • Natural gas • Other mining & quarrying and supporting services
 MANUFACTURING	
Food, Beverages & Tobacco	• Vegetable and animal oils & fats • Food processing • Beverages • Tobacco products

Table B: Main Economic Activity by Sub-activity (cont'd)

Kind of Economic Activity	Description
Textiles & Wood Products	• Textile and wearing apparel • Leather and related products • Wood products • Paper and paper products • Printing and reproduction of recorded media • Furniture
Petroleum, Chemical, Rubber & Plastic Products	• Refined petroleum products • Chemicals & chemical products and pharmaceutical products • Rubber products • Plastics products
Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products	• Non-metallic mineral products • Basic metals • Fabricated metal products
Electrical, Electronic & Optical products and Transport Equipment	• Machinery and equipment • Computers and peripheral equipment • Electrical equipment • Electronic components & boards, communication equipment and consumer electronics • Manufacture of medical, precision & optical instrument, watches and clocks • Motor vehicles and transport equipment • Other manufacturing and repair & installation of machinery and equipment

Table B: Main Economic Activity by Sub-activity (cont'd)

Kind of Economic Activity	Description
 CONSTRUCTION	
	• Residential buildings • Non-residential buildings • Civil engineering • Specialised construction activities
 SERVICES	
Wholesale and Retail Trade	• Wholesale trade • Retail trade • Motor vehicles
Food & Beverage and Accommodation	• Food and beverage • Accommodation
Transportation & Storage and Information & Communication	• Land transport • Water transport • Air transport • Port and airport operation • Highway operation • Support activities for transportation • Postal and courier • Publishing & broadcasting activities • Telecommunication • Computer & information services
Finance, Insurance, Real Estate and Business Services	• Monetary intermediation • Other financial intermediation and activities auxiliary to finance • Insurance and pension funding • Activities auxiliary to insurance • Real estate

Table B: Main Economic Activity by Sub-activity (cont'd)

Kind of Economic Activity	Description
	• Professional, scientific and technical • Administrative and support services • Owner occupied dwelling
Other Services	• Electricity and gas • Water, sewerage and waste management • Private health services • Private education services • Other private services • Government services • Non-profit institutions serving households • Domestic services of households

SUMBER DATA

Aktiviti Ekonomi	Sumber Data	Pertanian	Perlombongan dan pengkuarian	Pembuatan	Pembinaan	Perkhidmatan
						
1	Banci Ekonomi					
2	Statistik Ekonomi Tahunan					
3	Jadual Penawaran & Penggunaan 2015					
4	Survei Perbelanjaan Modal Pertubuhan Awam					
5	Perangkaan Getah Bulanan Malaysia					
6	Perangkaan Petroleum dan Gas Asli					
7	Perangkaan Pembuatan Bulanan Malaysia					
8	Survei Pembinaan Suku Tahunan					
9	Perangkaan Perdagangan Luar Negeri Bulanan					
10	Imbangan Pembayaran Suku Tahunan					
11	Jabatan Perkhidmatan Veterinar, Semenanjung Malaysia					
12	Jabatan Perkhidmatan Veterinar, Sabah					
13	Jabatan Perkhidmatan Veterinar, Sarawak					
14	Kementerian Pertanian dan Industri Makanan, Malaysia					
15	Lembaga Minyak Sawit Malaysia					
16	Lembaga Getah Malaysia					
17	Lembaga Perindustrian Nanas, Malaysia					
18	Lembaga Koko Malaysia					
19	Lembaga Lada Malaysia					
20	Penyata Kewangan Kerajaan Persekutuan, Kerajaan Negeri, Pihak Berkuasa Tempatan dan Badan-badan Berkanun					
21	Perbadanan Kemajuan Filem Nasional Malaysia (FINAS)					
22	Persatuan Industri Rakaman Malaysia (RIM)					
23	Penyata kewangan syarikat					
24	Kajian Penyelidikan dan Pembangunan Nasional, MASTIC					
25	Pusat Maklumat Harta Tanah (NAPIC)					

DATA SOURCES

Economic Activity Data Sources	Agriculture	Mining and quarrying	Manufacturing	Construction	Services
					
1 Economic Census					
2 Annual Economic Statistics					
3 Supply & Use Tables 2015					
4 Survey of Capital Expenditure for Public Establishments					
5 Monthly Rubber Statistics Malaysia					
6 Petroleum and Natural Gas Statistics					
7 Monthly Manufacturing Statistics Malaysia					
8 Quarterly Construction Survey					
9 Monthly External Trade Statistics					
10 Quarterly Balance of Payments					
11 Department of Veterinary Services, Peninsular Malaysia					
12 Department of Veterinary Services, Sabah					
13 Department of Veterinary Services, Sarawak					
14 Ministry of Agriculture and Food Industry, Malaysia					
15 Malaysian Palm Oil Board					
16 Malaysian Rubber Board					
17 Malaysian Pineapple Industry Board					
18 Malaysian Cocoa Board					
19 Malaysian Pepper Board					
20 Financial Statement of Federal Government, State Government, Local Authorities and Statutory Bodies					
21 National Film Development Corporation Malaysia					
22 Recording Industry Association of Malaysia					
23 Financial statement from companies					
24 National Research and Development Survey, MASTIC					
25 National Property Information Centre (NAPIC)					

SIMBOL & SINGKATAN

Simbol & singkatan berikut telah digunakan dalam keseluruhan penerbitan:

e	anggaran
p	permulaan
KDNK	Keluaran Dalam Negeri Kasar
PMTK	Pembentukan Modal Tetap Kasar
RM	Ringgit Malaysia
2008 SNA	<i>System of National Accounts 2008</i>

SEMAKAN

Semakan anggaran tahunan bagi tahun 2019 dan 2020 adalah berdasarkan banci/ survei terkini bagi industri terpilih dan sumber lain.

NOTA

Jumlah angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran angka.

SYMBOLS & ABBREVIATIONS

The following symbols & abbreviations have been used throughout the publication:

<i>e</i>	<i>estimates</i>
<i>p</i>	<i>preliminary</i>
<i>etc.</i>	<i>et cetera</i>
<i>i.e.</i>	<i>that is</i>
<i>GDP</i>	<i>Gross Domestic Product</i>
<i>GFCF</i>	<i>Gross Fixed Capital Formation</i>
<i>RM</i>	<i>Ringgit Malaysia</i>
<i>2008 SNA</i>	<i>System of National Accounts 2008</i>

REVISIONS

Revisions of annual estimates for year 2019 and 2020 were based on latest census/ surveys for selected industries and other sources.

NOTE

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