



**KEMENTERIAN EKONOMI  
JABATAN PERANGKAAN MALAYSIA**



# 2023

**AKAUN NEGARA  
NATIONAL ACCOUNTS**

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**PEMBENTUKAN MODAL TETAP KASAR  
GROSS FIXED CAPITAL FORMATION**



KEMENTERIAN EKONOMI  
JABATAN PERANGKAAN MALAYSIA

# PEMBENTUKAN MODAL TETAP KASAR

## GROSS FIXED CAPITAL FORMATION

# 2023

### Pemakluman

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

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

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan". DOSM menyambut ulang tahun ke 75 Jubli Intan pada tahun 2024.

### Announcement

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

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

*The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20<sup>th</sup> each year. MyStats Day theme is "Statistics is the Essence of Life". DOSM commemorates its 75<sup>th</sup> Diamond Jubilee in 2024.*

JABATAN PERANGKAAN MALAYSIA  
DEPARTMENT OF STATISTICS MALAYSIA

Diterbitkan dan dicetak oleh / *Published and printed by:*

**Jabatan Perangkaan Malaysia**

***Department of Statistics Malaysia***

Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

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**ISSN 2289-4128**

## **KATA PENGANTAR**

Penerbitan Pembentukan Modal Tetap Kasar (PMTK) membentangkan siri masa PMTK bagi tahun 2015 - 2023 pada harga semasa dan harga malar 2015. Statistik ini menyediakan maklumat penting untuk mengukur potensi pertumbuhan ekonomi Malaysia berdasarkan kedudukan pelaburan aset tetap. Statistik PMTK disusun mengikut jenis aktiviti ekonomi, jenis aset dan sektor awam & swasta. Penyusunan ini mengguna pakai konsep yang disarankan oleh *System of National Accounts 2008*. Pengkelasan PMTK mengikut aktiviti ekonomi adalah selaras dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0.

Penerbitan ini dibahagikan kepada empat bahagian. Bahagian pertama memaparkan sorotan utama PMTK, diikuti bahagian kedua, mengandungi ringkasan penemuan bagi keseluruhan PMTK. Sementara itu, bahagian ketiga mengandungi jadual perangkaan terperinci, manakala bahagian berikutnya merangkumi aspek tenikal, termasuk skop dan liputan, konsep dan definisi serta penjelasan berkaitan pemboleh ubah utama.

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

Jabatan Perangkaan Malaysia (DOSM) merakamkan setinggi-tinggi penghargaan atas kerjasama semua pihak yang telah menyediakan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini. Setiap maklum balas dan cadangan ke arah menambah baik laporan pada masa hadapan adalah amat dihargai.

**DATO' SRI DR. MOHD UZIR MAHIDIN**

Ketua Perangkawan Malaysia

Julai 2024

## **PREFACE**

*The publication of Gross Fixed Capital Formation (GFCF) presents a series of GFCF statistics for 2015 - 2023 at both current and constant 2015 prices. The statistics provide essential information to measure the potential growth of Malaysia's economy based on fixed asset investment position. The GFCF statistics are compiled by kind of economic activity, type of asset and public & private sectors. The compilation adopts the concepts recommended by the System of National Accounts 2008. The classification of GFCF by kind of economic activity is in line with the Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.*

*This publication is divided into four parts. The first part displays the main highlights of GFCF statistics, followed by the second part, which contains a summary of findings for the overall GFCF. Meanwhile, the third part provides detailed statistical tables, while the following section covers technical aspects, including scope and coverage, concepts and definitions, and explanations of key variables.*

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

*The Department of Statistics Malaysia (DOSM) gratefully acknowledges the cooperation of all parties who have provided the required data and contributed to the success of this publication. Every feedback and suggestion towards improving future reports is highly appreciated.*

**DATO' SRI DR. MOHD UZIR MAHIDIN**

*Chief Statistician Malaysia*

*July 2024*

# KANDUNGAN / CONTENTS

	<b>Muka Surat</b> <i>Page</i>
<b>Kata Pengantar</b> <i>Preface</i>	i - ii
<b>Kandungan</b> <i>Contents</i>	iii - v
<b>Statistik Pembentukan Modal Tetap Kasar bagi Negara Terpilih</b> <i>Statistics on Gross Fixed Capital Formation for Selected Countries</i>	vi
<b>Sorotan Utama</b> <i>Main Highlights</i>	vii - viii
<b>Ringkasan Penemuan</b> <i>Summary of Findings</i>	1 - 8
<b>Jadual Statistik</b> <i>Statistical Tables</i>	9 - 21
1A <b>PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa</b> <i>GFCF by Kind of Economic Activity at Current Prices</i>	10
1B <b>PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015</b> <i>GFCF by Kind of Economic Activity at Constant 2015 Prices</i>	10
1C <b>PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa</b> <b>- Perubahan Peratusan Tahunan</b> <i>GFCF by Kind of Economic Activity at Current Prices</i> <i>- Annual Percentage Change</i>	11
1D <b>PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015</b> <b>- Perubahan Peratusan Tahunan</b> <i>GFCF by Kind of Economic Activity at Constant 2015 Prices</i> <i>- Annual Percentage Change</i>	11
1E <b>PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa</b> <b>- Peratus Sumbangan kepada Jumlah PMTK</b> <i>GFCF by Kind of Economic Activity at Current Prices</i> <i>- Percentage Share to Total GFCF</i>	12
1F <b>PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015</b> <b>- Peratus Sumbangan kepada Jumlah PMTK</b> <i>GFCF by Kind of Economic Activity at Constant 2015 Prices</i> <i>- Percentage Share to Total GFCF</i>	12
2A <b>PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa</b> <i>GFCF by Kind of Economic Activity and Type of Assets at Current Prices</i>	13

# KANDUNGAN / CONTENTS

	<b>Muka Surat</b> <i>Page</i>
<b>2B PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa</b> <b>- Peratus Sumbangan mengikut Jenis Aset</b> <i>GFCF by Kind of Economic Activity and Type of Assets at Current Prices</i> <i>- Percentage Share by Type of Assets</i>	13
<b>3A PMTK mengikut Jenis Aset pada Harga Semasa</b> <i>GFCF by Type of Assets at Current Prices</i>	14
<b>3B PMTK mengikut Jenis Aset pada Harga Semasa</b> <b>- Perubahan Peratusan Tahunan</b> <i>GFCF by Type of Assets at Current Prices</i> <i>- Annual Percentage Change</i>	14
<b>3C PMTK mengikut Jenis Aset pada Harga Semasa</b> <b>- Peratus Sumbangan kepada Jumlah PMTK</b> <i>GFCF by Type of Assets at Current Prices</i> <i>- Percentage Share to Total GFCF</i>	14
<b>3D PMTK mengikut Jenis Aset pada Harga Malar 2015</b> <i>GFCF by Type of Assets at Constant 2015 Prices</i>	15
<b>3E PMTK mengikut Jenis Aset pada Harga Malar 2015</b> <b>- Perubahan Peratusan Tahunan</b> <i>GFCF by Type of Assets at Constant 2015 Prices</i> <i>- Annual Percentage Change</i>	15
<b>3F PMTK mengikut Jenis Aset pada Harga Malar 2015</b> <b>- Peratus Sumbangan kepada Jumlah PMTK</b> <i>GFCF by Type of Assets at Constant 2015 Prices</i> <i>- Percentage Share to Total GFCF</i>	15
<b>4A PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa</b> <i>GFCF by Sector and Kind of Economic Activity at Current Prices</i>	16
<b>4B PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015</b> <i>GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices</i>	16
<b>4C PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa</b> <b>- Perubahan Peratusan Tahunan</b> <i>GFCF by Sector and Kind of Economic Activity at Current Prices</i> <i>- Annual Percentage Change</i>	17
<b>4D PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015</b> <b>- Perubahan Peratusan Tahunan</b> <i>GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices</i> <i>- Annual Percentage Change</i>	17

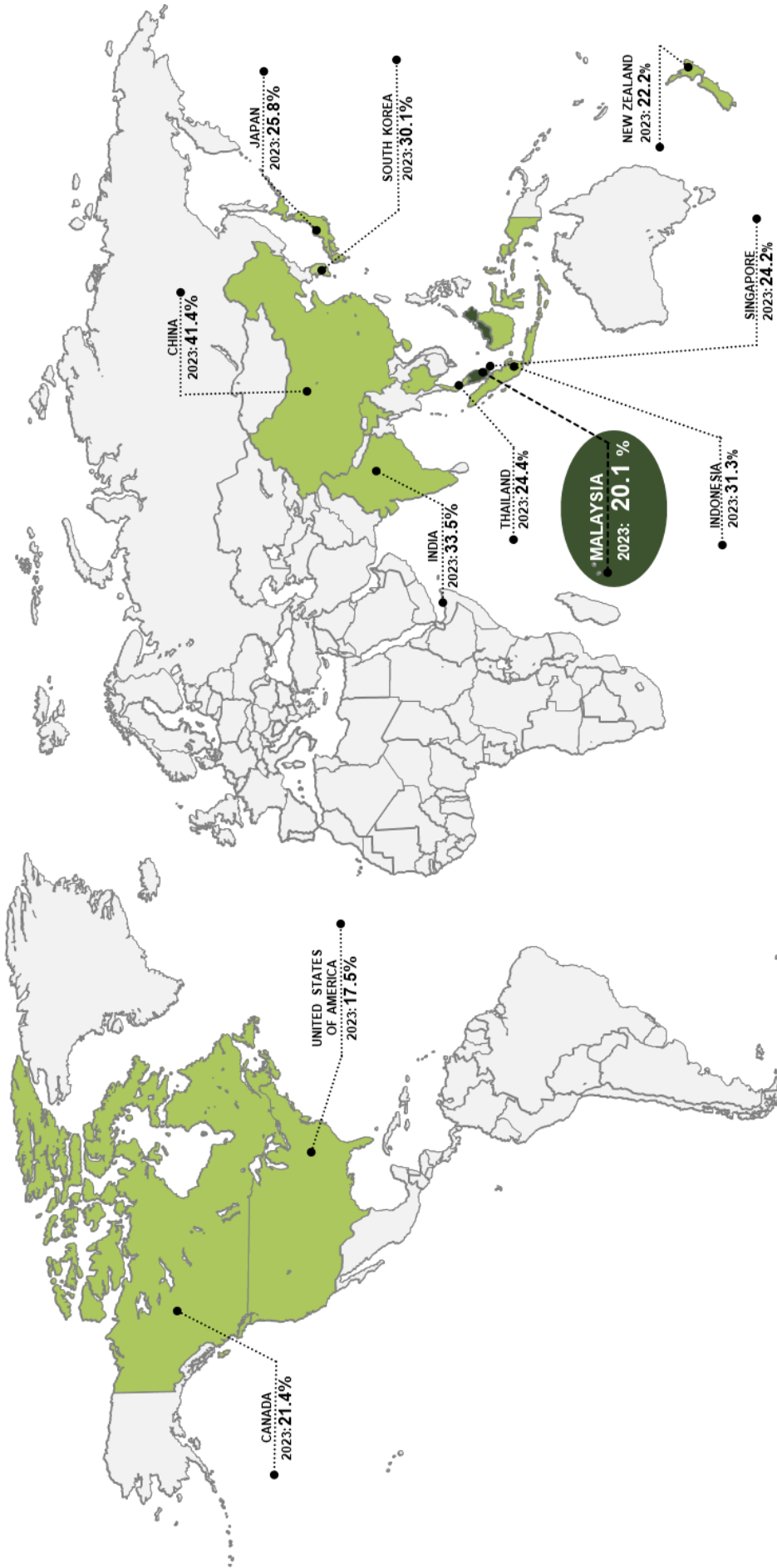
# KANDUNGAN / CONTENTS

	<b>Muka Surat</b> <i>Page</i>
<b>4E PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa</b> <b>- Peratus Sumbangan kepada Jumlah PMTK</b> <i>GFCF by Sector and Kind of Economic Activity at Current Prices</i> <i>- Percentage Share to Total GFCF</i>	18
<b>4F PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015</b> <b>- Peratus Sumbangan kepada Jumlah PMTK</b> <i>GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices</i> <i>- Percentage Share to Total GFCF</i>	18
<b>4G PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Semasa</b> <b>- Peratus Sumbangan kepada Jenis Aktiviti Ekonomi</b> <i>GFCF by Kind of Economic Activity and Sector at Current Prices</i> <i>- Percentage Share to Kind of Economic Activity</i>	19
<b>4H PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Malar 2015</b> <b>- Peratus Sumbangan kepada Jenis Aktiviti Ekonomi</b> <i>GFCF by Kind of Economic Activity and Sector at Constant 2015 Prices</i> <i>- Percentage Share to Kind of Economic Activity</i>	19
<b>5A PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset</b> <b>pada Harga Semasa</b> <i>Private Sector GFCF by Kind of Economic Activity and Type of Assets</i> <i>at Current Prices</i>	20
<b>5B PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset</b> <b>pada Harga Semasa</b> <i>Public Sector GFCF by Kind of Economic Activity and Type of Assets</i> <i>at Current Prices</i>	20
<b>5C PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset</b> <b>pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset</b> <i>Private Sector GFCF by Kind of Economic Activity and Type of Assets</i> <i>at Current Prices - Percentage Share by Type of Assets</i>	21
<b>5D PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset</b> <b>pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset</b> <i>Public Sector GFCF by Kind of Economic Activity and Type of Assets</i> <i>at Current Prices - Percentage Share by Type of Assets</i>	21
<b>Nota Teknikal</b> <i>Technical Notes</i>	23 - 44



# PERBANDINGAN NEGARA - NEGARA TERPILIH / COMPARISON SELECTED COUNTRIES

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



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

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).

# SOROTAN UTAMA



## PEMBENTUKAN MODAL TETAP KASAR (PMTK) 2023

### Kadar Pertumbuhan Tahunan

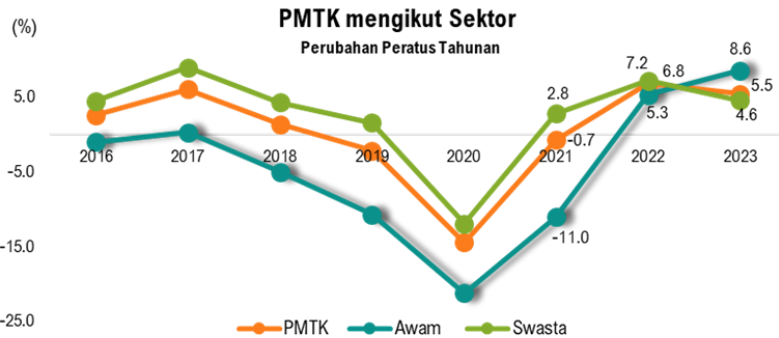
**5.5%**

(2022: 6.8%)

### Sumbangan kepada KDNK

**20.1%**

(2022: 19.7%)

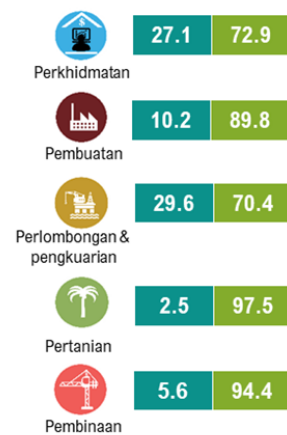


### PMTK Mengikut Sektor dan Jenis Aktiviti Ekonomi

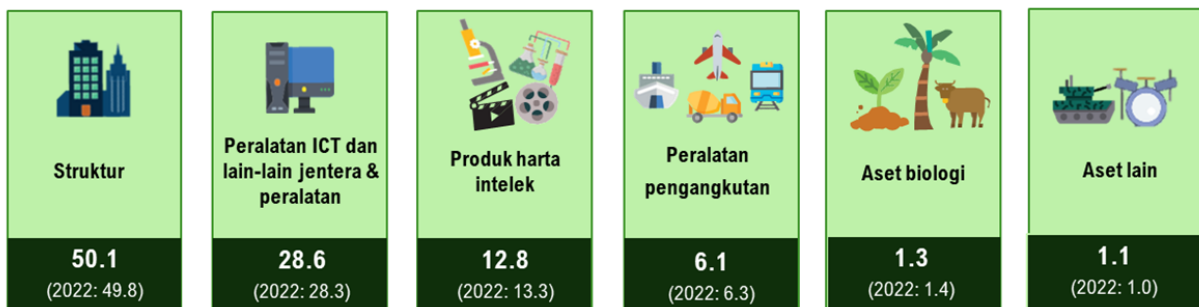
Perubahan Peratus Tahunan (%)



Peratus Sumbangan (%)



### PMTK Mengikut Jenis Aset : Peratus Sumbangan (%)



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

# MAIN HIGHLIGHTS



## GROSS FIXED CAPITAL FORMATION (GFCF)

2023

### Annual Growth Rate

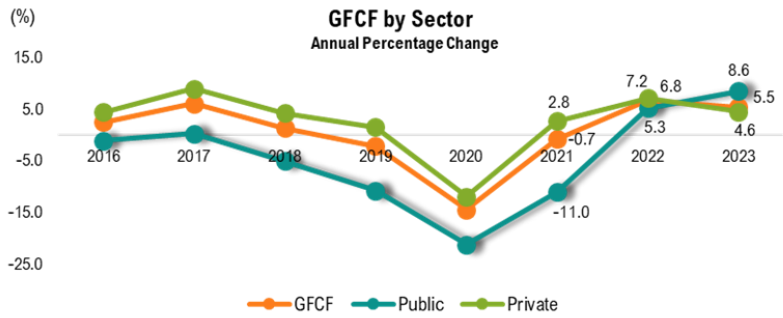
**5.5%**

(2022: 6.8%)

### Contribution to GDP

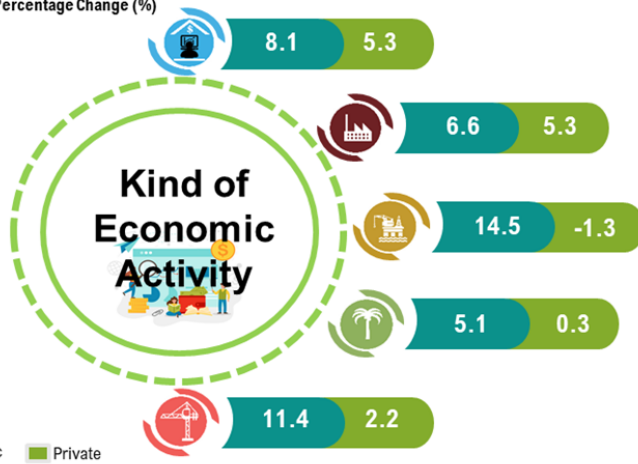
**20.1%**

(2022: 19.7%)

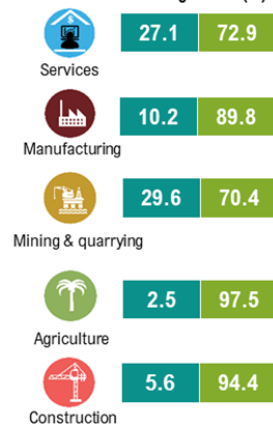


### GFCF by Sector and Kind of Economic Activity

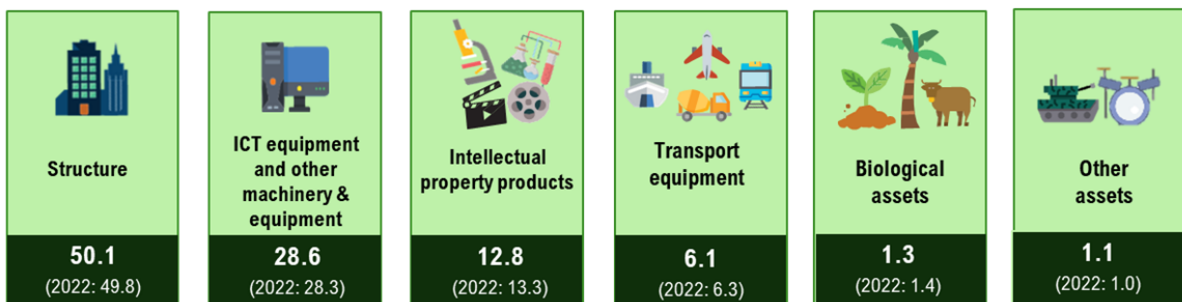
Annual Percentage Change (%)



Percentage Share (%)



### GFCF by Type of Assets: Percentage Share (%)



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

# RINGKASAN PENEMUAN

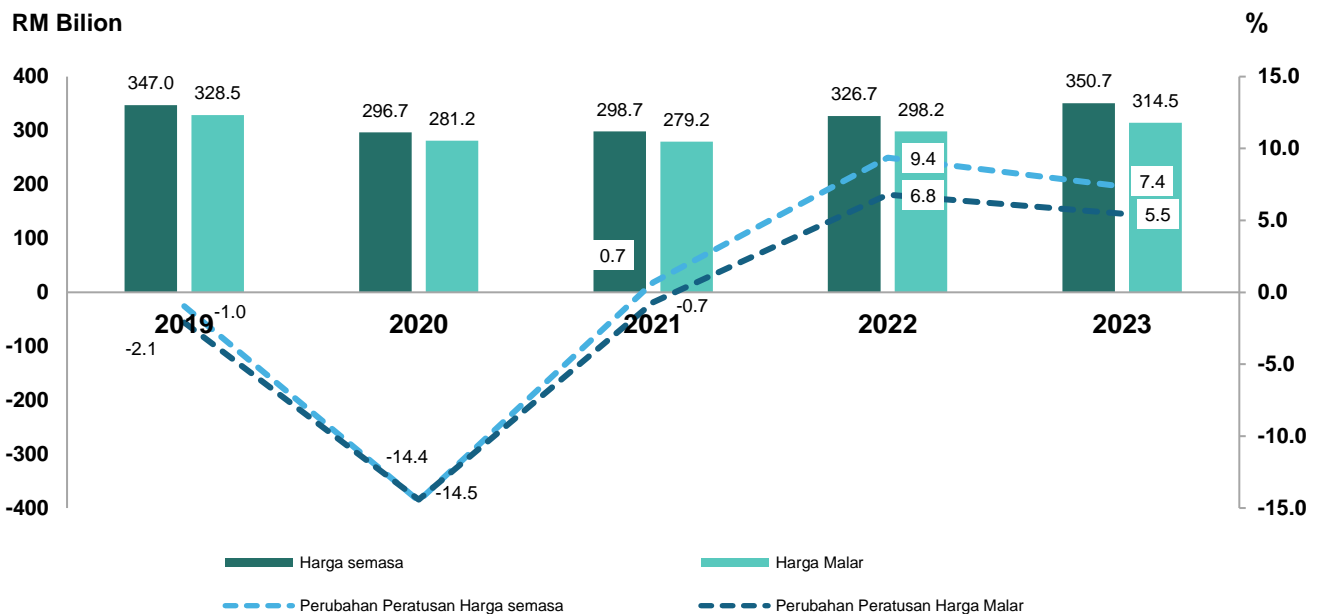
## PEMBENTUKAN MODAL TETAP KASAR 2023

Pembentukan Modal Tetap Kasar (PMTK) di Malaysia bagi tahun 2023 merekodkan RM350.7 bilion berbanding RM326.7 bilion pada tahun sebelumnya pada harga semasa. Manakala PMTK pada harga malar mencatatkan RM314.5 bilion dengan pertumbuhan 5.5 peratus berbanding 6.8 peratus pada tahun sebelumnya (**Carta 1**). Pertumbuhan ini didorong oleh prestasi kukuh aktiviti Perkhidmatan, Pembuatan dan Perlombongan & pengkuarian. PMTK kekal sebagai penyumbang kedua terbesar kepada Keluaran Dalam Negeri Kasar (KDNK) dengan sumbangan sebanyak 20.1 peratus (2022: 19.7%), seperti yang ditunjukkan di **Carta 2**. Pelaburan aset tetap ini didominasi oleh sektor Swasta (77.2%), manakala sektor Awam menyumbang 22.8 peratus. Dari segi jenis aset, PMTK diterajui oleh Struktur.

**Carta**

**1**

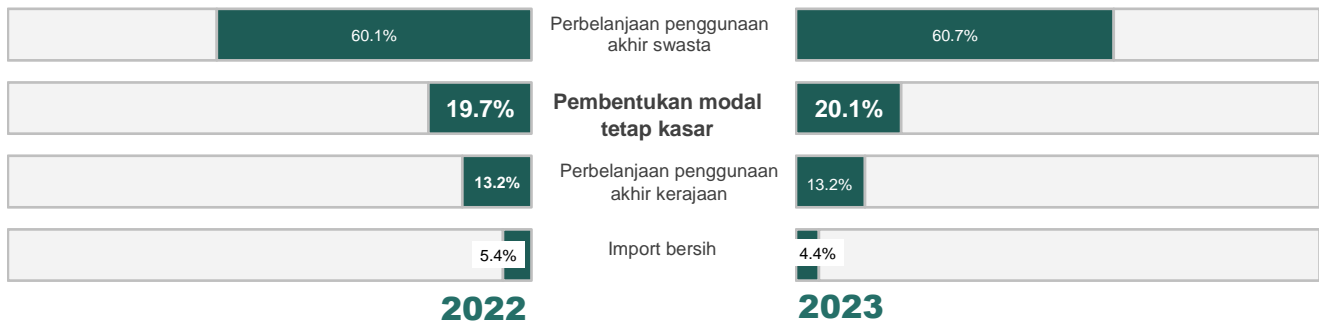
**Nilai dan Perubahan Peratusan Tahunan pada Harga Semasa dan Harga Malar 2015**



**Carta**

**2**

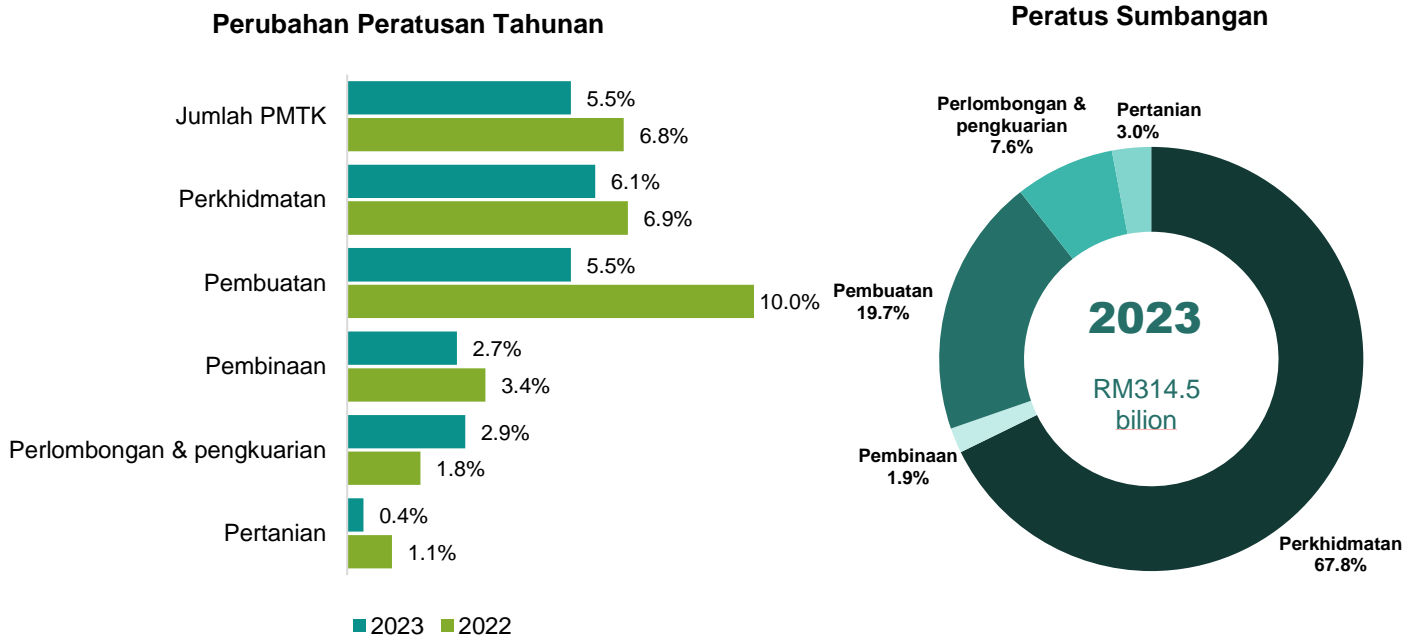
**Peratus Sumbangan KDNK mengikut Kaedah Perbelanjaan pada Harga Malar 2015**



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

# PMTK MENGIKUT JENIS AKTIVITI EKONOMI

**Carta** **3** **Perubahan Peratus Tahunan dan Peratus Sumbangan mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015**



PMTK bagi aktiviti **Perkhidmatan** meningkat 6.1 peratus, disumbangkan oleh peningkatan dalam sub aktiviti Perdagangan borong dan runcit, Pengangkutan & penyimpanan dan maklumat & komunikasi dan Kewangan, insurans, hartanah dan perkhidmatan perniagaan, yang masing-masing meningkat sebanyak 8.9 peratus, 9.9 peratus dan 6.7 peratus pada tahun 2023.

Pertumbuhan perolehan aset tetap dalam aktiviti **Pembuatan** bertumbuh sederhana pada 5.5 peratus (2022: 10.0%), dipengaruhi oleh prestasi sub aktiviti Makanan, minuman dan tembakau yang mencatatkan 8.9 peratus (2022: 14.7%) dan Produk elektrik, elektronik & optikal dan peralatan pengangkutan pada 6.8 peratus (2022: 9.3%). Sementara itu, Produk petroleum, kimia, getah dan plastik menunjukkan pertumbuhan 4.5 peratus berbanding 8.7 peratus pada tahun sebelumnya.

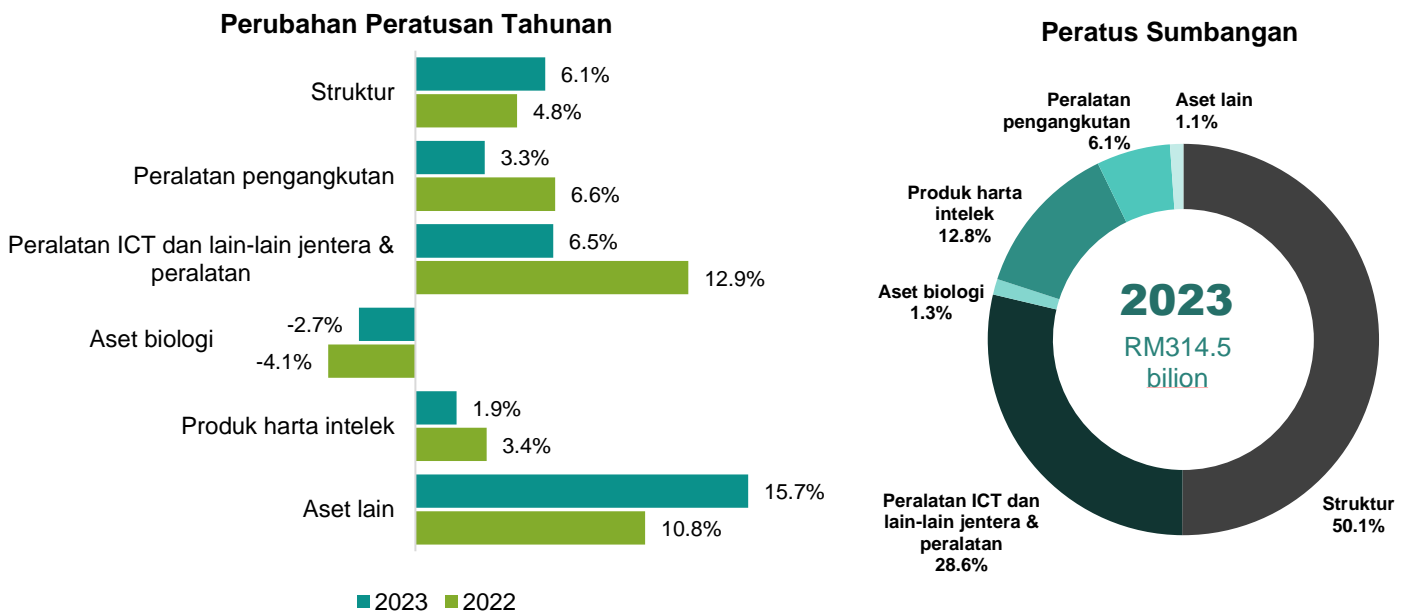
Aktiviti **Pembinaan** merekodkan pertumbuhan 2.7 peratus pada tahun 2023 berbanding 3.4 peratus pada tahun sebelumnya. Selain itu, aktiviti **Perlombongan & pengkuarian** turut mencatatkan peningkatan sebanyak 2.9 peratus berbanding 1.8 peratus yang direkodkan pada tahun 2022.

Pada masa yang sama, aktiviti **Pertanian** meningkat secara marginal 0.4 peratus (2022: 1.1%). Prestasi ini disumbangkan oleh momentum yang lebih perlahan bagi subsektor Getah dan kelapa sawit (2023: -5.4%, 2022: -4.3%) dan Pertanian lain (2023: 3.2%, 2022: 8.8%).

## PMTK MENGIKUT JENIS ASET

Perolehan aset tetap mengikut jenis aset diterajui oleh Struktur, dengan sumbangan 50.1 peratus, menunjukkan peningkatan 6.1 peratus berbanding 4.8 peratus pada harga malar pada tahun 2022 (**Carta 4**). Sementara itu, Peralatan ICT dan lain-lain jentera & peralatan dan Produk harta intelek masing-masing menunjukkan pertumbuhan 6.5 peratus (2022: 12.9%) dan 1.9 peratus (2022: 3.4%).

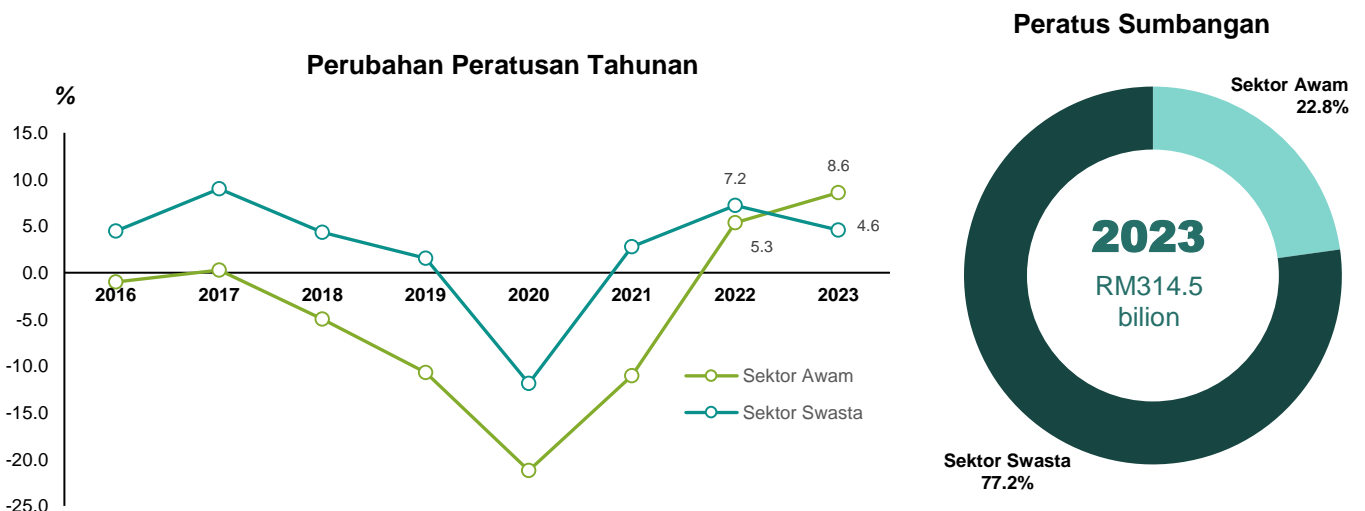
**Carta 4** Perubahan Peratusan Tahunan dan Peratus Sumbangan mengikut Jenis Aset pada Harga Malar 2015



## PMTK MENGIKUT SEKTOR DAN JENIS AKTIVITI EKONOMI

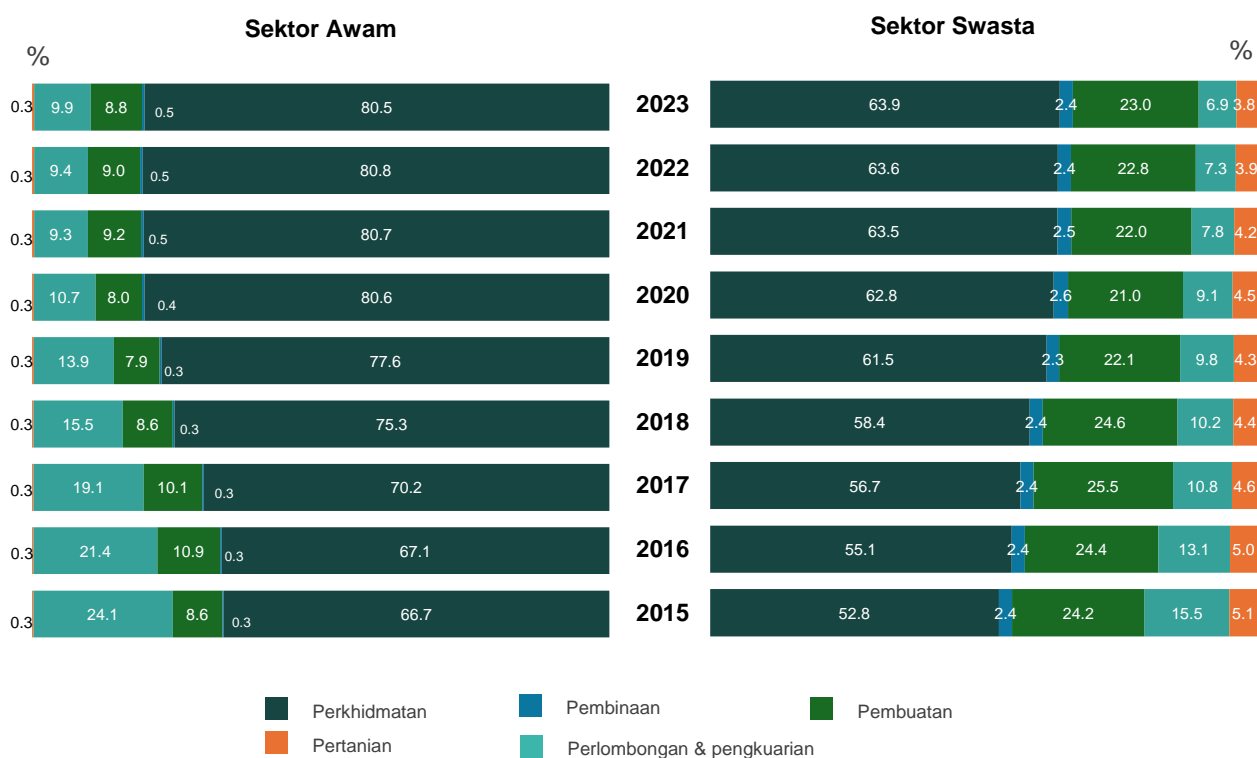
Sektor Swasta kekal sebagai penyumbang utama kepada PMTK dengan sumbangan sebanyak 77.2 peratus, seperti yang ditunjukkan di **Carta 5**. Sektor ini berkembang 4.6 peratus berbanding 7.2 peratus pada tahun 2022. Selain itu, sektor Awam turut menunjukkan peningkatan 8.6 peratus berbanding 5.3 peratus pada tahun sebelumnya.

**Carta 5** Perubahan Peratusan Tahunan dan Peratus Sumbangan mengikut Sektor pada Harga Malar 2015



Aktiviti Perkhidmatan merupakan penyumbang utama kepada PMTK sektor Swasta, menyumbang 63.9 peratus. Ini diikuti oleh aktiviti Pembuatan dengan sumbangan 23.0 peratus, seperti yang digambarkan di **Carta 6**. Sementara itu, Aktiviti-aktiviti lain menyumbang 13.1 peratus kepada keseluruhan PMTK sektor Swasta. PMTK sektor Awam dipacu oleh aktiviti Perkhidmatan dengan sumbangan 80.5 peratus, diikuti oleh aktiviti Perlombongan & pengkuarian dan Pembuatan, masing-masing menyumbang 9.9 peratus dan 8.8 peratus.

**Carta 6** Peratus Sumbangan PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015, 2015 - 2023



# SUMMARY OF FINDINGS

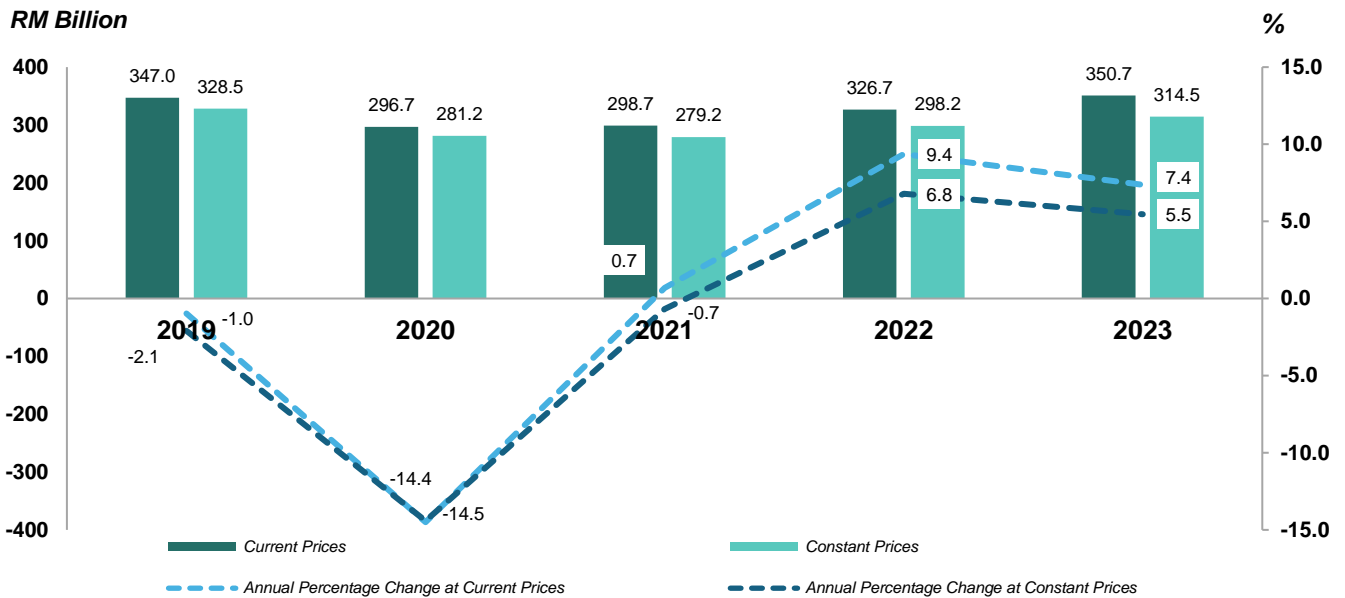
## GROSS FIXED CAPITAL FORMATION 2023

Gross Fixed Capital Formation (GFCF) in Malaysia for the year 2023 recorded RM350.7 billion as compared to RM326.7 billion in the previous year at current prices. Meanwhile, GFCF at constant prices recorded RM314.5 billion, with a growth of 5.5 per cent as compared to 6.8 per cent in the previous year (**Chart 1**). This growth was driven by the strong performance of the Services, Manufacturing and Mining & quarrying activities. GFCF remained the second largest contributor to the Gross Domestic Product (GDP) with a contribution of 20.1 per cent (2022: 19.7%), as shown in **Chart 2**. The investment in fixed assets was dominated by the Private sector (77.2%), while Public sector contributed 22.8 per cent. In terms of type of assets, GFCF was led by Structure.

Chart

1

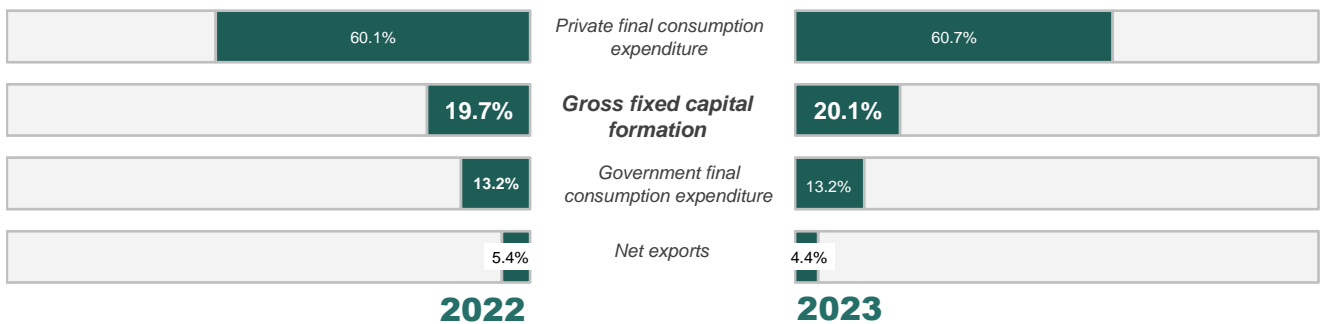
Value and Annual Percentage Change at Current Prices and Constant 2015 Prices



Chart

2

Percentage Share of GDP by Expenditure Approach at Constant 2015 Prices

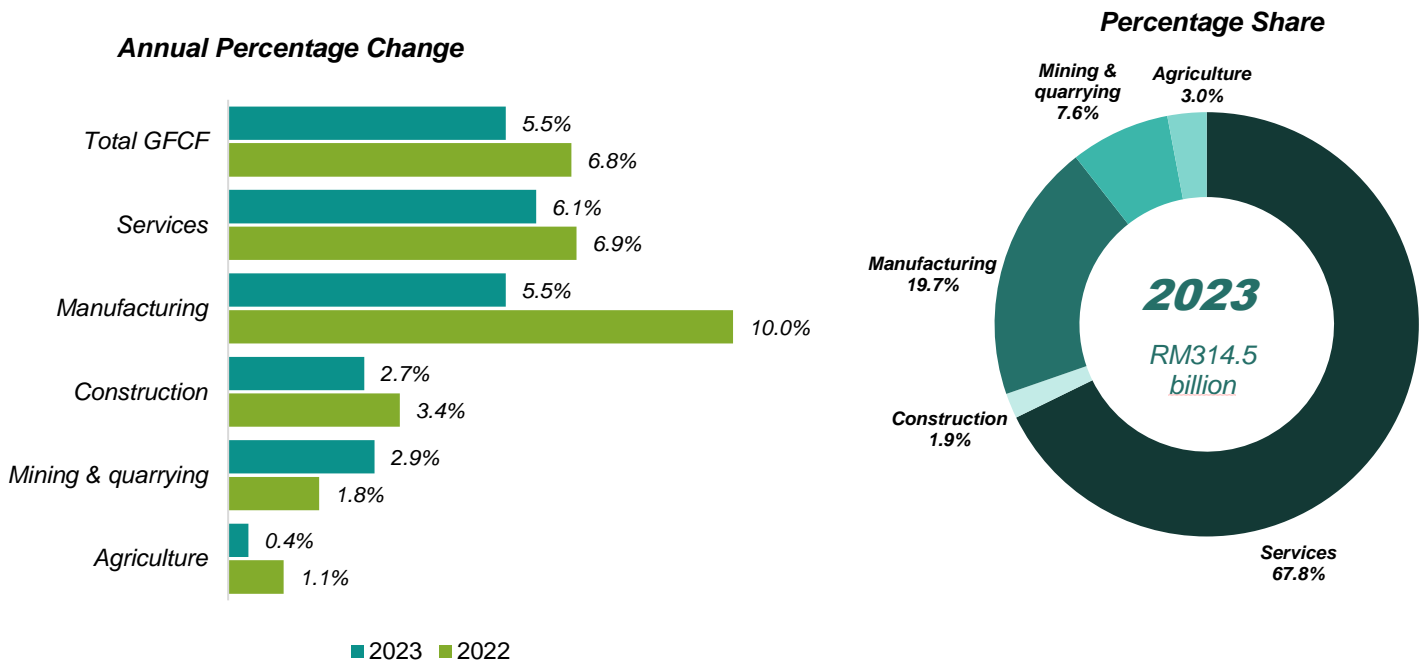


Note: Exclude Changes in Inventories, Valuable & Statistical Discrepancy



## GFCF BY KIND OF ECONOMIC ACTIVITY

**Chart 3** Annual Percentage Change and Percentage Share by Kind of Economic Activity at Constant 2015 Prices



The GFCF for the **Services** activity increased by 6.1 per cent, contributed by the growth in Wholesale and retail trade, Transportation & storage and information & communication, and Finance, insurance, real estate and business services sub-activities, surged by 8.9 per cent, 9.9 per cent and 6.7 per cent, respectively in 2023.

The growth in fixed asset acquisition in the **Manufacturing** activity moderated by 5.5 per cent (2022: 10.0%), influenced by the performance of the Food, beverages and tobacco sub-activity, which recorded 8.9 per cent (2022: 14.7%) and Electrical, electronic & optical products and transport equipment at 6.8 per cent (2022: 9.3%). Meanwhile, Petroleum, chemical, rubber and plastic products showed a growth of 4.5 per cent as compared to 8.7 per cent in the previous year.

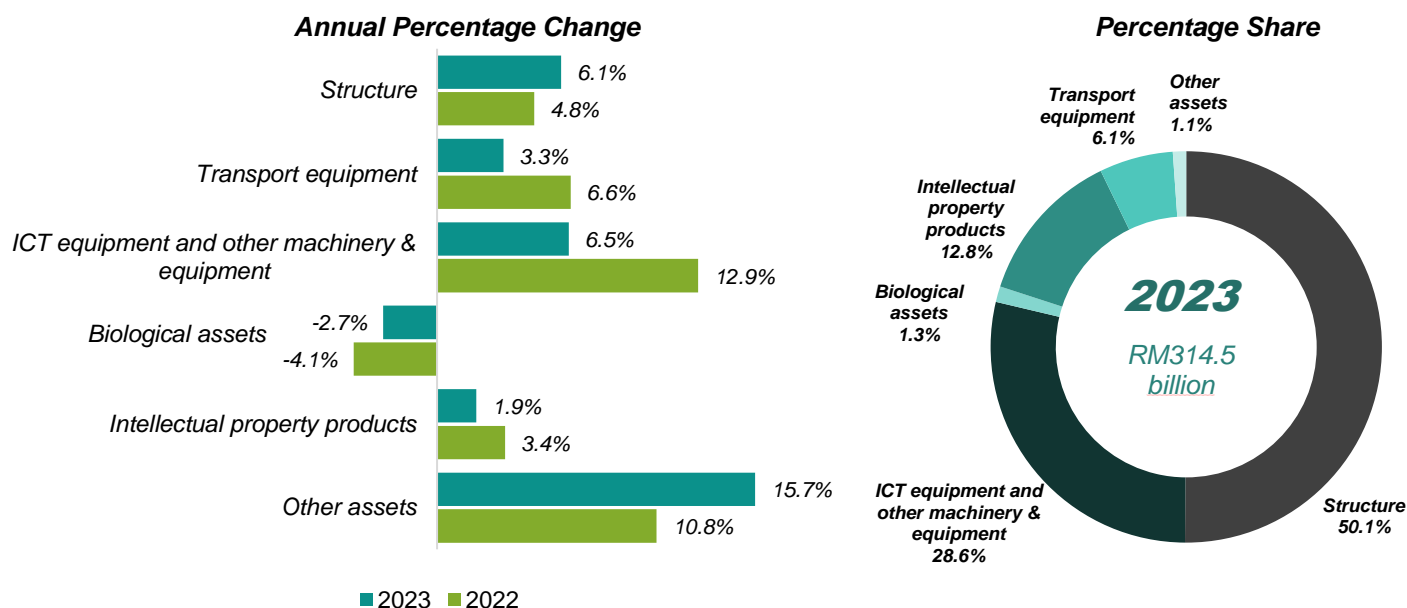
The **Construction** activity recorded a growth of 2.7 per cent in 2023 as compared to 3.4 per cent in the previous year. Additionally, the **Mining & quarrying** activity recorded an increase of 2.9 per cent as compared to 1.8 per cent recorded in 2022.

At the same time, the **Agriculture** activity increased marginally by 0.4 per cent (2022: 1.1%). This performance was contributed by slower momentum in Rubber and palm oil (2023: -5.4%, 2022: -4.3%) and Other agriculture (2023: 3.2%, 2022: 8.8%).

## GFCF BY TYPE OF ASSETS

The acquisition of fixed assets by type of assets was led by Structure, with a contribution of 50.1 per cent, which showed an increase of 6.1 per cent as compared to 4.8 per cent at constant prices in 2022 (Chart 4). Meanwhile, ICT Equipment and other machinery & equipment and Intellectual property products showed a growth of 6.5 per cent (2022: 12.9%) and 1.9 per cent (2022: 3.4%), respectively.

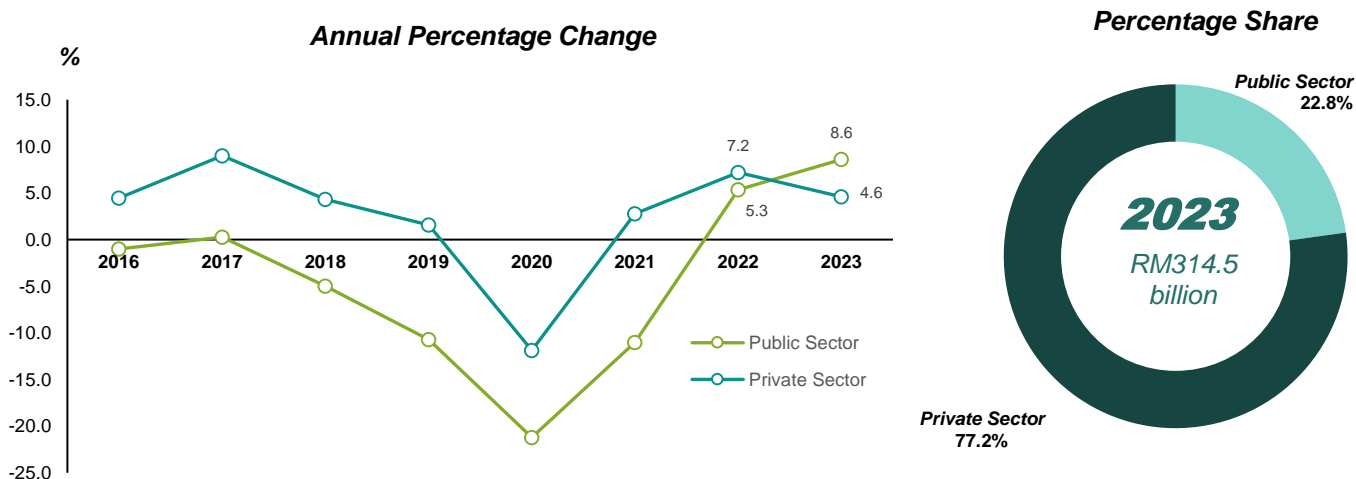
**Chart 4** Annual Percentage Change and Percentage Share by Type of Asset at Constant 2015 Prices



## GFCF BY SECTOR AND KIND OF ECONOMIC ACTIVITY

The Private sector remained the main contributor to GFCF, with a contribution of 77.2 per cent, as shown in Chart 5. This sector grew by 4.6 per cent as compared to 7.2 per cent in 2022. Additionally, the Public sector also showed an increase of 8.6 per cent as compared to 5.3 per cent in the preceding year.

**Chart 5** Annual Percentage Change and Percentage Share by Sector at Constant 2015 Prices



The Services activity was the main contributor to the GFCF in the Private sector, contributing 63.9 per cent. This was followed by Manufacturing activities, which contributed 23.0 per cent, as illustrated in **Chart 6**. Meanwhile, Other activities contributed 13.1 per cent to the overall GFCF of the Private sector. The GFCF in the Public sector was driven by Services activity with a contribution of 80.5 per cent, followed by Mining & quarrying and Manufacturing activities, which contributed 9.9 per cent and 8.8 per cent, respectively.

**Chart 6** Percentage Share of GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices, 2015 - 2023



**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
<b>Pertanian</b>	<b>10,324</b>	<b>10,825</b>	<b>11,176</b>	<b>11,139</b>	<b>11,363</b>	<b>10,391</b>	<b>10,079</b>	<b>10,195</b>	<b>10,255</b>	<b>Agriculture</b>
Getah dan kelapa sawit	6,789	6,962	7,085	6,765	6,741	5,903	5,351	5,112	4,786	Rubber and oil palm
Ternakan dan perikanan	2,335	2,620	2,910	3,208	3,514	3,413	3,577	3,846	4,174	Livestock and fishing
Pertanian lain	1,199	1,244	1,181	1,166	1,108	1,075	1,150	1,237	1,294	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>56,258</b>	<b>49,967</b>	<b>45,075</b>	<b>40,235</b>	<b>36,819</b>	<b>27,937</b>	<b>24,779</b>	<b>25,223</b>	<b>26,039</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>57,054</b>	<b>63,156</b>	<b>70,470</b>	<b>68,958</b>	<b>62,661</b>	<b>51,978</b>	<b>56,079</b>	<b>61,840</b>	<b>65,530</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	6,889	6,386	6,508	6,414	6,660	6,933	7,755	8,953	9,791	Food, beverages and tobacco
Produk tekstil dan kayu	2,862	2,834	2,770	2,839	2,649	2,479	2,541	2,681	2,711	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	21,158	27,029	28,995	28,299	23,943	17,896	19,345	21,013	22,056	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	5,022	5,622	6,404	6,498	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	19,649	20,816	22,789	24,472	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>5,065</b>	<b>5,418</b>	<b>5,884</b>	<b>6,193</b>	<b>6,229</b>	<b>6,147</b>	<b>6,106</b>	<b>6,324</b>	<b>6,515</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>175,722</b>	<b>189,529</b>	<b>211,336</b>	<b>223,840</b>	<b>229,901</b>	<b>200,211</b>	<b>201,661</b>	<b>223,092</b>	<b>242,395</b>	<b>Services</b>
Perdagangan borong dan runcit	14,629	15,550	16,807	17,230	17,170	16,547	19,353	22,778	24,879	Wholesale and retail trade
Makanan & minuman dan penginapan	3,576	3,980	4,473	4,852	5,233	5,214	5,700	6,322	6,683	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	41,597	43,773	50,951	54,134	54,888	40,466	42,225	48,251	53,760	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	60,105	70,167	76,536	80,933	84,296	75,735	72,166	78,868	85,421	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	55,815	56,059	62,569	66,691	68,314	62,250	62,217	66,874	71,652	Other services (including government services)
<b>Jumlah</b>	<b>304,423</b>	<b>318,895</b>	<b>343,942</b>	<b>350,365</b>	<b>346,973</b>	<b>296,663</b>	<b>298,703</b>	<b>326,675</b>	<b>350,733</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
<b>Pertanian</b>	<b>10,324</b>	<b>10,619</b>	<b>10,719</b>	<b>10,534</b>	<b>10,561</b>	<b>9,623</b>	<b>9,238</b>	<b>9,337</b>	<b>9,374</b>	<b>Agriculture</b>
Getah dan kelapa sawit	6,789	6,867	6,857	6,514	6,449	5,584	5,055	4,840	4,577	Rubber and oil palm
Ternakan dan perikanan	2,335	2,532	2,731	2,914	3,069	3,029	3,106	3,325	3,589	Livestock and fishing
Pertanian lain	1,199	1,219	1,132	1,107	1,042	1,010	1,077	1,172	1,209	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>56,258</b>	<b>49,705</b>	<b>44,387</b>	<b>39,485</b>	<b>35,815</b>	<b>26,619</b>	<b>22,828</b>	<b>23,230</b>	<b>23,909</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>57,054</b>	<b>61,977</b>	<b>68,321</b>	<b>66,579</b>	<b>59,895</b>	<b>49,868</b>	<b>53,503</b>	<b>58,847</b>	<b>62,067</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	6,889	6,304	6,331	6,370	6,558	6,778	7,540	8,648	9,417	Food, beverages and tobacco
Produk tekstil dan kayu	2,862	2,798	2,697	2,730	2,525	2,355	2,409	2,533	2,550	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	21,158	26,332	28,075	27,239	22,656	17,098	18,348	19,939	20,839	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	4,801	5,304	5,978	6,038	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	18,836	19,902	21,749	23,223	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>5,065</b>	<b>5,350</b>	<b>5,743</b>	<b>5,992</b>	<b>5,912</b>	<b>5,757</b>	<b>5,695</b>	<b>5,888</b>	<b>6,047</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>175,722</b>	<b>184,539</b>	<b>201,922</b>	<b>213,002</b>	<b>216,354</b>	<b>189,308</b>	<b>187,978</b>	<b>200,903</b>	<b>213,110</b>	<b>Services</b>
Perdagangan borong dan runcit	14,629	15,230	16,124	16,251	15,893	15,339	17,481	19,551	21,298	Wholesale and retail trade
Makanan & minuman dan penginapan	3,576	3,905	4,306	4,530	4,890	4,862	5,305	5,807	6,022	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	41,597	42,627	48,578	52,580	52,452	38,896	40,377	44,561	48,977	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	60,105	67,864	72,846	76,541	79,609	72,388	68,988	73,847	78,762	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	55,815	54,913	60,068	63,101	63,509	57,822	55,827	57,138	58,051	Other services (including government services)
<b>Jumlah</b>	<b>304,423</b>	<b>312,190</b>	<b>331,093</b>	<b>335,592</b>	<b>328,536</b>	<b>281,175</b>	<b>279,242</b>	<b>298,205</b>	<b>314,508</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
<b>Pertanian</b>	<b>4.9</b>	<b>3.2</b>	<b>-0.3</b>	<b>2.0</b>	<b>-8.6</b>	<b>-3.0</b>	<b>1.2</b>	<b>0.6</b>	<b>Agriculture</b>
Getah dan kelapa sawit	2.5	1.8	-4.5	-0.4	-12.4	-9.3	-4.5	-6.4	Rubber and oil palm
Ternakan dan perikanan	12.2	11.1	10.2	9.6	-2.9	4.8	7.5	8.5	Livestock and fishing
Pertanian lain	3.7	-5.0	-1.3	-5.0	-3.0	7.0	7.6	4.6	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>-11.2</b>	<b>-9.8</b>	<b>-10.7</b>	<b>-8.5</b>	<b>-24.1</b>	<b>-11.3</b>	<b>1.8</b>	<b>3.2</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>10.7</b>	<b>11.6</b>	<b>-2.1</b>	<b>-9.1</b>	<b>-17.0</b>	<b>7.9</b>	<b>10.3</b>	<b>6.0</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	-7.3	1.9	-1.4	3.8	4.1	11.9	15.4	9.4	Food, beverages and tobacco
Produk tekstil dan kayu	-1.0	-2.2	2.5	-6.7	-6.4	2.5	5.5	1.1	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	27.7	7.3	-2.4	-15.4	-25.3	8.1	8.6	5.0	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	-11.0	11.9	13.9	1.5	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	-17.3	5.9	9.5	7.4	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>7.0</b>	<b>8.6</b>	<b>5.2</b>	<b>0.6</b>	<b>-1.3</b>	<b>-0.7</b>	<b>3.6</b>	<b>3.0</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>7.9</b>	<b>11.5</b>	<b>5.9</b>	<b>2.7</b>	<b>-12.9</b>	<b>0.7</b>	<b>10.6</b>	<b>8.7</b>	<b>Services</b>
Perdagangan borong dan runcit	6.3	8.1	2.5	-0.3	-3.6	17.0	17.7	9.2	Wholesale and retail trade
Makanan & minuman dan penginapan	11.3	12.4	8.5	7.9	-0.4	9.3	10.9	5.7	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	5.2	16.4	6.2	1.4	-26.3	4.3	14.3	11.4	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	16.7	9.1	5.7	4.2	-10.2	-4.7	9.3	8.3	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	0.4	11.6	6.6	2.4	-8.9	-0.1	7.5	7.1	Other services (including government services)
<b>Jumlah</b>	<b>4.8</b>	<b>7.9</b>	<b>1.9</b>	<b>-1.0</b>	<b>-14.5</b>	<b>0.7</b>	<b>9.4</b>	<b>7.4</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
<b>Pertanian</b>	<b>2.9</b>	<b>0.9</b>	<b>-1.7</b>	<b>0.2</b>	<b>-8.9</b>	<b>-4.0</b>	<b>1.1</b>	<b>0.4</b>	<b>Agriculture</b>
Getah dan kelapa sawit	1.1	-0.2	-5.0	-1.0	-13.4	-9.5	-4.3	-5.4	Rubber and oil palm
Ternakan dan perikanan	8.4	7.8	6.7	5.3	-1.3	2.5	7.1	7.9	Livestock and fishing
Pertanian lain	1.6	-7.2	-2.2	-5.8	-3.1	6.7	8.8	3.2	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>-11.6</b>	<b>-10.7</b>	<b>-11.0</b>	<b>-9.3</b>	<b>-25.7</b>	<b>-14.2</b>	<b>1.8</b>	<b>2.9</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>8.6</b>	<b>10.2</b>	<b>-2.6</b>	<b>-10.0</b>	<b>-16.7</b>	<b>7.3</b>	<b>10.0</b>	<b>5.5</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	-8.5	0.4	0.6	2.9	3.4	11.2	14.7	8.9	Food, beverages and tobacco
Produk tekstil dan kayu	-2.2	-3.6	1.2	-7.5	-6.7	2.3	5.1	0.7	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	24.5	6.6	-3.0	-16.8	-24.5	7.3	8.7	4.5	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	-10.2	10.5	12.7	1.0	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	-17.4	5.7	9.3	6.8	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>5.6</b>	<b>7.3</b>	<b>4.3</b>	<b>-1.3</b>	<b>-2.6</b>	<b>-1.1</b>	<b>3.4</b>	<b>2.7</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>5.0</b>	<b>9.4</b>	<b>5.5</b>	<b>1.6</b>	<b>-12.5</b>	<b>-0.7</b>	<b>6.9</b>	<b>6.1</b>	<b>Services</b>
Perdagangan borong dan runcit	4.1	5.9	0.8	-2.2	-3.5	14.0	11.8	8.9	Wholesale and retail trade
Makanan & minuman dan penginapan	9.2	10.3	5.2	8.0	-0.6	9.1	9.5	3.7	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	2.5	14.0	8.2	-0.2	-25.8	3.8	10.4	9.9	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	12.9	7.3	5.1	4.0	-9.1	-4.7	7.0	6.7	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	-1.6	9.4	5.0	0.6	-9.0	-3.4	2.3	1.6	Other services (including government services)
<b>Jumlah</b>	<b>2.6</b>	<b>6.1</b>	<b>1.4</b>	<b>-2.1</b>	<b>-14.4</b>	<b>-0.7</b>	<b>6.8</b>	<b>5.5</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
<b>Pertanian</b>	<b>3.4</b>	<b>3.4</b>	<b>3.2</b>	<b>3.2</b>	<b>3.3</b>	<b>3.5</b>	<b>3.4</b>	<b>3.1</b>	<b>2.9</b>	<b>Agriculture</b>
Getah dan kelapa sawit	2.2	2.2	2.1	1.9	1.9	2.0	1.8	1.6	1.4	Rubber and oil palm
Ternakan dan perikanan	0.8	0.8	0.8	0.9	1.0	1.2	1.2	1.2	1.2	Livestock and fishing
Pertanian lain	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>18.5</b>	<b>15.7</b>	<b>13.1</b>	<b>11.5</b>	<b>10.6</b>	<b>9.4</b>	<b>8.3</b>	<b>7.7</b>	<b>7.4</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>18.7</b>	<b>19.8</b>	<b>20.5</b>	<b>19.7</b>	<b>18.1</b>	<b>17.5</b>	<b>18.8</b>	<b>18.9</b>	<b>18.7</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	2.3	2.0	1.9	1.8	1.9	2.3	2.6	2.7	2.8	Food, beverages and tobacco
Produk tekstil dan kayu	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	7.0	8.5	8.4	8.1	6.9	6.0	6.5	6.4	6.3	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	1.9	2.0	1.9	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	6.6	7.0	7.0	7.0	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>1.7</b>	<b>1.7</b>	<b>1.7</b>	<b>1.8</b>	<b>1.8</b>	<b>2.1</b>	<b>2.0</b>	<b>1.9</b>	<b>1.9</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>57.7</b>	<b>59.4</b>	<b>61.4</b>	<b>63.9</b>	<b>66.3</b>	<b>67.5</b>	<b>67.5</b>	<b>68.3</b>	<b>69.1</b>	<b>Services</b>
Perdagangan borong dan runcit	4.8	4.9	4.9	4.9	4.9	5.6	6.5	7.0	7.1	Wholesale and retail trade
Makanan & minuman dan penginapan	1.2	1.2	1.3	1.4	1.5	1.8	1.9	1.9	1.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	13.7	13.7	14.8	15.5	15.8	13.6	14.1	14.8	15.3	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.7	22.0	22.3	23.1	24.3	25.5	24.2	24.1	24.4	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	18.3	17.6	18.2	19.0	19.7	21.0	20.8	20.5	20.4	Other services (including government services)
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
<b>Pertanian</b>	<b>3.4</b>	<b>3.4</b>	<b>3.2</b>	<b>3.1</b>	<b>3.2</b>	<b>3.4</b>	<b>3.3</b>	<b>3.1</b>	<b>3.0</b>	<b>Agriculture</b>
Getah dan kelapa sawit	2.2	2.2	2.1	1.9	2.0	2.0	1.8	1.6	1.5	Rubber and oil palm
Ternakan dan perikanan	0.8	0.8	0.8	0.9	0.9	1.1	1.1	1.1	1.1	Livestock and fishing
Pertanian lain	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>18.5</b>	<b>15.9</b>	<b>13.4</b>	<b>11.8</b>	<b>10.9</b>	<b>9.5</b>	<b>8.2</b>	<b>7.8</b>	<b>7.6</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>18.7</b>	<b>19.9</b>	<b>20.6</b>	<b>19.8</b>	<b>18.2</b>	<b>17.7</b>	<b>19.2</b>	<b>19.7</b>	<b>19.7</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	2.3	2.0	1.9	1.9	2.0	2.4	2.7	2.9	3.0	Food, beverages and tobacco
Produk tekstil dan kayu	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	7.0	8.4	8.5	8.1	6.9	6.1	6.6	6.7	6.6	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	1.9	2.0	1.9	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	7.3	7.4	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>1.7</b>	<b>1.7</b>	<b>1.7</b>	<b>1.8</b>	<b>1.8</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>1.9</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>57.7</b>	<b>59.1</b>	<b>61.0</b>	<b>63.5</b>	<b>65.9</b>	<b>67.3</b>	<b>67.3</b>	<b>67.4</b>	<b>67.8</b>	<b>Services</b>
Perdagangan borong dan runcit	4.8	4.9	4.9	4.8	4.8	5.5	6.3	6.6	6.8	Wholesale and retail trade
Makanan & minuman dan penginapan	1.2	1.3	1.3	1.3	1.5	1.7	1.9	1.9	1.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	13.7	13.7	14.7	15.7	16.0	13.8	14.5	14.9	15.6	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.7	21.7	22.0	22.8	24.2	25.7	24.7	24.8	25.0	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	18.3	17.6	18.1	18.8	19.3	20.6	20.0	19.2	18.5	Other services (including government services)
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**JADUAL 2A** PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa  
**TABLE 2A** PMTK 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	2021	2022 <sup>e</sup>	2023 <sup>p</sup>		
Pertanian	Struktur	2,549	2,699	2,918	3,014	2,842	2,223	1,468	1,633	1,956	Structure	Agriculture
	Jentera dan peralatan	2,688	2,907	2,993	3,100	3,311	3,242	3,503	3,405	2,972	Machinery and equipment	
	Aset lain	5,087	5,219	5,265	5,025	5,210	4,926	5,108	5,157	5,327	Other assets	
Perilombongan dan pengkuarian	Struktur	33,839	30,142	26,226	21,931	23,936	18,589	15,365	16,267	16,804	Structure	Mining and quarrying
	Jentera dan peralatan	14,890	12,778	12,365	12,195	6,874	3,491	3,696	2,893	2,561	Machinery and equipment	
	Aset lain	7,529	7,048	6,484	6,109	6,009	5,857	5,717	6,063	6,674	Other assets	
Pembuatan	Struktur	17,442	20,765	21,141	22,198	19,298	14,584	13,202	14,250	15,944	Structure	Manufacturing
	Jentera dan peralatan	33,562	36,648	42,482	40,082	36,144	30,948	37,139	42,354	44,953	Machinery and equipment	
	Aset lain	6,051	5,744	6,847	6,679	7,219	6,446	5,738	5,235	4,632	Other assets	
Pembinaan	Struktur	1,138	1,106	1,114	1,492	1,857	1,824	1,712	1,835	2,031	Structure	Construction
	Jentera dan peralatan	3,840	4,223	4,676	4,607	4,281	4,234	4,308	4,401	4,395	Machinery and equipment	
	Aset lain	87	89	94	94	91	89	86	87	88	Other assets	
Perkhidmatan	Struktur	119,272	132,810	147,826	156,725	158,535	132,481	124,178	133,883	145,389	Structure	Services
	Jentera dan peralatan	47,419	47,754	54,806	57,365	61,455	59,421	67,758	78,438	85,324	Machinery and equipment	
	Aset lain	9,031	8,964	8,704	9,750	9,911	8,309	9,725	10,771	11,682	Other assets	
Jumlah	Struktur	174,240	187,521	199,226	205,359	206,468	169,700	155,925	167,869	182,125	Structure	Total
	Jentera dan peralatan	102,399	104,310	117,322	117,348	112,065	101,335	116,404	131,492	140,205	Machinery and equipment	
	Aset lain	27,784	27,064	27,394	27,657	28,440	25,628	26,374	27,314	28,404	Other assets	
Jumlah	Jumlah	304,423	318,895	343,942	350,365	346,973	296,663	298,703	326,675	350,733	Total	

**JADUAL 2B** PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset  
**TABLE 2B** PMTK 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	2021	2022 <sup>e</sup>	2023 <sup>p</sup>		
Pertanian	Struktur	24.7	24.9	26.1	27.1	25.0	21.4	14.6	16.0	19.1	Structure	Agriculture
	Jentera dan peralatan	26.0	26.9	26.8	27.8	29.1	31.2	34.8	33.4	29.0	Machinery and equipment	
	Aset lain	49.3	48.2	47.1	45.1	45.9	47.4	50.7	50.6	51.9	Other assets	
Perilombongan dan pengkuarian	Struktur	60.1	60.3	58.2	54.5	65.0	66.5	62.0	64.5	64.5	Structure	Mining and quarrying
	Jentera dan peralatan	26.5	25.6	27.4	30.3	18.7	12.5	14.9	11.5	9.8	Machinery and equipment	
	Aset lain	13.4	14.1	14.4	15.2	16.3	21.0	23.1	24.0	25.6	Other assets	
Pembuatan	Struktur	30.6	32.9	30.0	32.2	30.8	28.1	23.5	23.0	24.3	Structure	Manufacturing
	Jentera dan peralatan	58.8	58.0	60.3	58.1	57.7	59.5	66.2	68.5	68.6	Machinery and equipment	
	Aset lain	10.6	9.1	9.7	9.7	11.5	12.4	10.2	8.5	7.1	Other assets	
Pembinaan	Struktur	22.5	20.4	18.9	24.1	29.8	29.7	28.0	29.0	31.2	Structure	Construction
	Jentera dan peralatan	75.8	77.9	79.5	74.4	68.7	68.9	70.6	69.6	67.5	Machinery and equipment	
	Aset lain	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4	Other assets	
Perkhidmatan	Struktur	67.9	70.1	69.9	70.0	69.0	66.2	61.6	60.0	60.0	Structure	Services
	Jentera dan peralatan	27.0	25.2	25.9	25.6	26.7	29.7	33.6	35.2	35.2	Machinery and equipment	
	Aset lain	5.1	4.7	4.1	4.4	4.3	4.2	4.8	4.8	4.8	Other assets	
Jumlah	Struktur	57.2	58.8	57.9	58.6	59.5	57.2	52.2	51.4	51.9	Structure	Total
	Jentera dan peralatan	33.6	32.7	34.1	33.5	32.3	34.2	39.0	40.3	40.0	Machinery and equipment	
	Aset lain	9.1	8.5	8.0	7.9	8.2	8.6	8.8	8.4	8.1	Other assets	
Jumlah	Jumlah	100.0	100.0	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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
Struktur	174,240	187,521	199,226	205,359	206,468	169,700	155,925	167,869	182,125	Structure
Peralatan pengangkutan	22,476	22,212	23,426	24,439	21,472	16,808	19,108	20,929	21,862	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	64,540	65,391	75,988	73,172	70,427	64,230	75,385	86,347	93,084	ICT equipment and other machinery & equipment
Aset biologi	4,833	4,963	5,123	4,951	5,149	4,876	4,955	4,774	4,726	Biological assets
Produk harta intelek	34,155	34,720	35,777	37,737	38,885	38,093	40,592	43,604	45,221	Intellectual property products
Aset lain	4,179	4,088	4,402	4,705	4,572	2,956	2,737	3,152	3,717	Other assets
<b>Jumlah</b>	<b>304,423</b>	<b>318,895</b>	<b>343,942</b>	<b>350,365</b>	<b>346,973</b>	<b>296,663</b>	<b>298,703</b>	<b>326,675</b>	<b>350,733</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>		
Struktur	7.6	6.2	3.1	0.5	-17.8	-8.1	7.7	8.5	Structure	
Peralatan pengangkutan	-1.2	5.5	4.3	-12.1	-21.7	13.7	9.5	4.5	Transport equipment	
Peralatan ICT dan lain-lain jentera & peralatan	1.3	16.2	-3.7	-3.8	-8.8	17.4	14.5	7.8	ICT equipment and other machinery & equipment	
Aset biologi	2.7	3.2	-3.3	4.0	-5.3	1.6	-3.7	-1.0	Biological assets	
Produk harta intelek	1.7	3.0	5.5	3.0	-2.0	6.6	7.4	3.7	Intellectual property products	
Aset lain	-2.2	7.7	6.9	-2.8	-35.3	-7.4	15.1	17.9	Other assets	
<b>Jumlah</b>	<b>4.8</b>	<b>7.9</b>	<b>1.9</b>	<b>-1.0</b>	<b>-14.5</b>	<b>0.7</b>	<b>9.4</b>	<b>7.4</b>	<b>Total</b>	

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
Struktur	57.2	58.8	57.9	58.6	59.5	57.2	52.2	51.4	51.9	Structure
Peralatan pengangkutan	7.4	7.0	6.8	7.0	6.2	5.7	6.4	6.4	6.2	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	21.2	20.5	22.1	20.9	20.3	21.7	25.2	26.4	26.5	ICT equipment and other machinery & equipment
Aset biologi	1.6	1.6	1.5	1.4	1.5	1.6	1.7	1.5	1.3	Biological assets
Produk harta intelek	11.2	10.9	10.4	10.8	11.2	12.8	13.6	13.3	12.9	Intellectual property products
Aset lain	1.4	1.3	1.3	1.3	1.3	1.0	0.9	1.0	1.1	Other assets
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
Struktur	174,240	182,203	189,713	193,330	192,423	157,257	141,682	148,480	157,575	Structure
Peralatan pengangkutan	22,476	21,794	22,511	23,855	20,259	15,634	17,502	18,656	19,267	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	64,540	65,024	75,190	73,185	70,194	63,965	74,824	84,454	89,945	ICT equipment and other machinery & equipment
Aset biologi	4,833	4,849	4,837	4,690	4,638	4,452	4,400	4,219	4,107	Biological assets
Produk harta intelek	34,155	34,381	34,698	36,133	36,859	37,115	38,249	39,532	40,299	Intellectual property products
Aset lain	4,179	3,940	4,142	4,398	4,163	2,753	2,585	2,865	3,314	Other assets
<b>Jumlah</b>	<b>304,423</b>	<b>312,190</b>	<b>331,093</b>	<b>335,592</b>	<b>328,536</b>	<b>281,175</b>	<b>279,242</b>	<b>298,205</b>	<b>314,508</b>	<b>Total</b>

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>		
Struktur	4.6	4.1	1.9	-0.5	-18.3	-9.9	4.8	6.1	Structure	
Peralatan pengangkutan	-3.0	3.3	6.0	-15.1	-22.8	11.9	6.6	3.3	Transport equipment	
Peralatan ICT dan lain-lain jentera & peralatan	0.7	15.6	-2.7	-4.1	-8.9	17.0	12.9	6.5	ICT equipment and other machinery & equipment	
Aset biologi	0.3	-0.2	-3.0	-1.1	-4.0	-1.2	-4.1	-2.7	Biological assets	
Produk harta intelek	0.7	0.9	4.1	2.0	0.7	3.1	3.4	1.9	Intellectual property products	
Aset lain	-5.7	5.1	6.2	-5.4	-33.9	-6.1	10.8	15.7	Other assets	
<b>Jumlah</b>	<b>2.6</b>	<b>6.1</b>	<b>1.4</b>	<b>-2.1</b>	<b>-14.4</b>	<b>-0.7</b>	<b>6.8</b>	<b>5.5</b>	<b>Total</b>	

**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	2021	2022 <sup>a</sup>	2023 <sup>b</sup>	
Struktur	57.2	58.4	57.3	57.6	58.6	55.9	50.7	49.8	50.1	Structure
Peralatan pengangkutan	7.4	7.0	6.8	7.1	6.2	5.6	6.3	6.3	6.1	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	21.2	20.8	22.7	21.8	21.4	22.7	26.8	28.3	28.6	ICT equipment and other machinery & equipment
Aset biologi	1.6	1.6	1.5	1.4	1.4	1.6	1.6	1.4	1.3	Biological assets
Produk harta intelek	11.2	11.0	10.5	10.8	11.2	13.2	13.7	13.3	12.8	Intellectual property products
Aset lain	1.4	1.3	1.3	1.3	1.3	1.0	0.9	1.0	1.1	Other assets
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**JADUAL 4A** PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa  
**TABLE 4A** 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	2021	2022 <sup>a</sup>	2023 <sup>p</sup>	
<b>Sektor swasta</b>										<b>Private sector</b>
Pertanian	10,048	10,539	10,886	10,861	11,087	10,150	9,840	9,947	9,995	Agriculture
Perombongan dan pengkuarian	30,685	27,316	24,668	24,452	24,057	20,022	18,630	18,717	18,605	Mining and quarrying
Pembuatan	47,961	51,664	59,583	60,131	55,358	46,169	49,972	55,541	58,816	Manufacturing
Pembinaan	4,780	5,128	5,572	5,866	5,904	5,833	5,801	6,001	6,153	Construction
Perkhidmatan	104,676	116,877	133,810	144,509	156,070	140,085	147,273	164,031	177,142	Services
<b>Jumlah</b>	<b>198,150</b>	<b>211,525</b>	<b>234,520</b>	<b>245,819</b>	<b>252,476</b>	<b>222,259</b>	<b>231,517</b>	<b>254,237</b>	<b>270,711</b>	<b>Total</b>
<b>Sektor awam</b>										<b>Public sector</b>
Pertanian	276	286	290	277	276	241	239	248	260	Agriculture
Perombongan dan pengkuarian	25,573	22,651	20,407	15,783	12,762	7,916	6,149	6,506	7,433	Mining and quarrying
Pembuatan	9,093	11,492	10,887	8,827	7,303	5,809	6,106	6,299	6,714	Manufacturing
Pembinaan	286	290	312	327	325	314	305	323	362	Construction
Perkhidmatan	71,046	72,651	77,526	79,332	73,831	60,125	54,388	59,062	65,253	Services
<b>Jumlah</b>	<b>106,274</b>	<b>107,370</b>	<b>109,422</b>	<b>104,546</b>	<b>94,498</b>	<b>74,405</b>	<b>67,186</b>	<b>72,437</b>	<b>80,022</b>	<b>Total</b>
<b>Jumlah</b>	<b>304,423</b>	<b>318,895</b>	<b>343,942</b>	<b>350,365</b>	<b>346,973</b>	<b>296,663</b>	<b>298,703</b>	<b>326,675</b>	<b>350,733</b>	<b>Total</b>

**JADUAL 4B** PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015  
**TABLE 4B** 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	2021	2022 <sup>a</sup>	2023 <sup>p</sup>	
<b>Sektor swasta</b>										<b>Private sector</b>
Pertanian	10,048	10,337	10,440	10,270	10,302	9,398	9,020	9,110	9,136	Agriculture
Perombongan dan pengkuarian	30,685	27,169	24,279	23,977	23,384	19,073	16,973	17,049	16,834	Mining and quarrying
Pembuatan	47,961	50,530	57,625	57,933	52,814	44,206	47,734	52,903	55,733	Manufacturing
Pembinaan	4,780	5,064	5,439	5,676	5,604	5,456	5,404	5,583	5,707	Construction
Perkhidmatan	104,676	113,877	127,812	137,487	146,923	132,521	137,371	147,466	155,325	Services
<b>Jumlah</b>	<b>198,150</b>	<b>206,977</b>	<b>225,594</b>	<b>235,343</b>	<b>239,027</b>	<b>210,653</b>	<b>216,502</b>	<b>232,110</b>	<b>242,734</b>	<b>Total</b>
<b>Sektor awam</b>										<b>Public sector</b>
Pertanian	276	282	280	264	259	225	219	227	239	Agriculture
Perombongan dan pengkuarian	25,573	22,535	20,108	15,508	12,430	7,546	5,855	6,182	7,075	Mining and quarrying
Pembuatan	9,093	11,447	10,696	8,645	7,080	5,663	5,769	5,944	6,334	Manufacturing
Pembinaan	286	287	304	317	308	301	291	305	340	Construction
Perkhidmatan	71,046	70,662	74,110	75,516	69,431	56,787	50,607	53,437	57,785	Services
<b>Jumlah</b>	<b>106,274</b>	<b>105,213</b>	<b>105,499</b>	<b>100,249</b>	<b>89,508</b>	<b>70,522</b>	<b>62,740</b>	<b>66,096</b>	<b>71,773</b>	<b>Total</b>
<b>Jumlah</b>	<b>304,423</b>	<b>312,190</b>	<b>331,093</b>	<b>335,592</b>	<b>328,536</b>	<b>281,175</b>	<b>279,242</b>	<b>298,205</b>	<b>314,508</b>	<b>Total</b>

**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	2021	2022 <sup>e</sup>	2023 <sup>p</sup>	
<b>Sektor swasta</b>									<b>Private sector</b>
Pertanian	4.9	3.3	-0.2	2.1	-8.4	-3.1	1.1	0.5	Agriculture
Perombongan dan pengkuarian	-11.0	-9.7	-0.9	-1.6	-16.8	-7.0	0.5	-0.6	Mining and quarrying
Pembuatan	7.7	15.3	0.9	-7.9	-16.6	8.2	11.1	5.9	Manufacturing
Pembinaan	7.3	8.7	5.3	0.7	-1.2	-0.5	3.4	2.5	Construction
Perkhidmatan	11.7	14.5	8.0	8.0	-10.2	5.1	11.4	8.0	Services
<b>Jumlah</b>	<b>6.8</b>	<b>10.9</b>	<b>4.8</b>	<b>2.7</b>	<b>-12.0</b>	<b>4.2</b>	<b>9.8</b>	<b>6.5</b>	<b>Total</b>
<b>Sektor awam</b>									<b>Public sector</b>
Pertanian	3.6	1.2	-4.2	-0.3	-12.9	-0.9	4.0	4.9	Agriculture
Perombongan dan pengkuarian	-11.4	-9.9	-22.7	-19.1	-38.0	-22.3	5.8	14.3	Mining and quarrying
Pembuatan	26.4	-5.3	-18.9	-17.3	-20.5	5.1	3.2	6.6	Manufacturing
Pembinaan	1.4	7.6	4.9	-0.8	-3.2	-3.1	5.8	12.2	Construction
Perkhidmatan	2.3	6.7	2.3	-6.9	-18.6	-9.5	8.6	10.5	Services
<b>Jumlah</b>	<b>1.0</b>	<b>1.9</b>	<b>-4.5</b>	<b>-9.6</b>	<b>-21.3</b>	<b>-9.7</b>	<b>7.8</b>	<b>10.5</b>	<b>Total</b>
<b>Jumlah</b>	<b>4.8</b>	<b>7.9</b>	<b>1.9</b>	<b>-1.0</b>	<b>-14.5</b>	<b>0.7</b>	<b>9.4</b>	<b>7.4</b>	<b>Total</b>

**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	2021	2022 <sup>e</sup>	2023 <sup>p</sup>	
<b>Sektor swasta</b>									<b>Private sector</b>
Pertanian	2.9	1.0	-1.6	0.3	-8.8	-4.0	1.0	0.3	Agriculture
Perombongan dan pengkuarian	-11.5	-10.6	-1.2	-2.5	-18.4	-11.0	0.4	-1.3	Mining and quarrying
Pembuatan	5.4	14.0	0.5	-8.8	-16.3	8.0	10.8	5.3	Manufacturing
Pembinaan	5.9	7.4	4.4	-1.3	-2.7	-0.9	3.3	2.2	Construction
Perkhidmatan	8.8	12.2	7.6	6.9	-9.8	3.7	7.3	5.3	Services
<b>Jumlah</b>	<b>4.5</b>	<b>9.0</b>	<b>4.3</b>	<b>1.6</b>	<b>-11.9</b>	<b>2.8</b>	<b>7.2</b>	<b>4.6</b>	<b>Total</b>
<b>Sektor awam</b>									<b>Public sector</b>
Pertanian	2.0	-0.8	-5.5	-2.0	-13.1	-2.9	4.0	5.1	Agriculture
Perombongan dan pengkuarian	-11.9	-10.8	-22.9	-19.8	-39.3	-22.4	5.6	14.5	Mining and quarrying
Pembuatan	25.9	-6.6	-19.2	-18.1	-20.0	1.9	3.0	6.6	Manufacturing
Pembinaan	0.3	6.1	4.1	-2.7	-2.1	-3.3	4.8	11.4	Construction
Perkhidmatan	-0.5	4.9	1.9	-8.1	-18.2	-10.9	5.6	8.1	Services
<b>Jumlah</b>	<b>-1.0</b>	<b>0.3</b>	<b>-5.0</b>	<b>-10.7</b>	<b>-21.2</b>	<b>-11.0</b>	<b>5.3</b>	<b>8.6</b>	<b>Total</b>
<b>Jumlah</b>	<b>2.6</b>	<b>6.1</b>	<b>1.4</b>	<b>-2.1</b>	<b>-14.4</b>	<b>-0.7</b>	<b>6.8</b>	<b>5.5</b>	<b>Total</b>

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	Tahun/ Year									Sector and kind of economic activity
	2015	2016	2017	2018	2019	2020	2021	2022 <sup>a</sup>	2023 <sup>a</sup>	
<b>Sektor swasta</b>										<b>Private sector</b>
Pertanian	3.3	3.3	3.2	3.1	3.2	3.4	3.3	3.0	2.8	Agriculture
Perombongan dan pengkuarian	10.1	8.6	7.2	7.0	6.9	6.7	6.2	5.7	5.3	Mining and quarrying
Pembuatan	15.8	16.2	17.3	17.2	16.0	15.6	16.7	17.0	16.8	Manufacturing
Pembinaan	1.6	1.6	1.6	1.7	1.7	2.0	1.9	1.8	1.8	Construction
Perkhidmatan	34.4	36.7	38.9	41.2	45.0	47.2	49.3	50.2	50.5	Services
<b>Jumlah</b>	<b>65.1</b>	<b>66.3</b>	<b>68.2</b>	<b>70.2</b>	<b>72.8</b>	<b>74.9</b>	<b>77.5</b>	<b>77.8</b>	<b>77.2</b>	<b>Total</b>
<b>Sektor awam</b>										<b>Public sector</b>
Pertanian	0.1	0.1	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	2.1	2.0	2.1	Mining and quarrying
Pembuatan	3.0	3.6	3.2	2.5	2.1	2.0	2.0	1.9	1.9	Manufacturing
Pembinaan	0.1	0.1	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	18.1	18.6	Services
<b>Jumlah</b>	<b>34.9</b>	<b>33.7</b>	<b>31.8</b>	<b>29.8</b>	<b>27.2</b>	<b>25.1</b>	<b>22.5</b>	<b>22.2</b>	<b>22.8</b>	<b>Total</b>
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

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	Tahun/ Year									Sector and kind of economic activity
	2015	2016	2017	2018	2019	2020	2021	2022 <sup>a</sup>	2023 <sup>a</sup>	
<b>Sektor swasta</b>										<b>Private sector</b>
Pertanian	3.3	3.3	3.2	3.1	3.1	3.3	3.2	3.1	2.9	Agriculture
Perombongan dan pengkuarian	10.1	8.7	7.3	7.1	7.1	6.8	6.1	5.7	5.4	Mining and quarrying
Pembuatan	15.8	16.2	17.4	17.3	16.1	15.7	17.1	17.7	17.7	Manufacturing
Pembinaan	1.6	1.6	1.6	1.7	1.7	1.9	1.9	1.9	1.8	Construction
Perkhidmatan	34.4	36.5	38.6	41.0	44.7	47.1	49.2	49.5	49.4	Services
<b>Jumlah</b>	<b>65.1</b>	<b>66.3</b>	<b>68.1</b>	<b>70.1</b>	<b>72.8</b>	<b>74.9</b>	<b>77.5</b>	<b>77.8</b>	<b>77.2</b>	<b>Total</b>
<b>Sektor awam</b>										<b>Public sector</b>
Pertanian	0.1	0.1	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	2.1	2.1	2.2	Mining and quarrying
Pembuatan	3.0	3.7	3.2	2.6	2.2	2.0	2.1	2.0	2.0	Manufacturing
Pembinaan	0.1	0.1	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	18.1	17.9	18.4	Services
<b>Jumlah</b>	<b>34.9</b>	<b>33.7</b>	<b>31.9</b>	<b>29.9</b>	<b>27.2</b>	<b>25.1</b>	<b>22.5</b>	<b>22.2</b>	<b>22.8</b>	<b>Total</b>
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

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	2021	2022 <sup>e</sup>	2023 <sup>p</sup>		
Pertanian	Sektor Swasta	97.3	97.4	97.4	97.5	97.6	97.7	97.6	97.6	97.5	Private Sector	Agriculture
	Sektor Awam	2.7	2.6	2.6	2.5	2.4	2.3	2.4	2.4	2.5	Public Sector	
Perlombongan dan pengkuarian	Sektor Swasta	54.5	54.7	54.7	60.8	65.3	71.7	75.2	74.2	71.5	Private Sector	Mining and quarrying
	Sektor Awam	45.5	45.3	45.3	39.2	34.7	28.3	24.8	25.8	28.5	Public Sector	
Pembuatan	Sektor Swasta	84.1	81.8	84.6	87.2	88.3	88.8	89.1	89.8	89.8	Private Sector	Manufacturing
	Sektor Awam	15.9	18.2	15.4	12.8	11.7	11.2	10.9	10.2	10.2	Public Sector	
Pembinaan	Sektor Swasta	94.4	94.7	94.7	94.7	94.8	94.9	95.0	94.9	94.4	Private Sector	Construction
	Sektor Awam	5.6	5.3	5.3	5.3	5.2	5.1	5.0	5.1	5.6	Public Sector	
Perkhidmatan	Sektor Swasta	59.6	61.7	63.3	64.6	67.9	70.0	73.0	73.5	73.1	Private Sector	Services
	Sektor Awam	40.4	38.3	36.7	35.4	32.1	30.0	27.0	26.5	26.9	Public Sector	
Jumlah	Sektor Swasta	65.1	66.3	68.2	70.2	72.8	74.9	77.5	77.8	77.2	Private Sector	Total
	Sektor Awam	34.9	33.7	31.8	29.8	27.2	25.1	22.5	22.2	22.8	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	2021	2022 <sup>e</sup>	2023 <sup>p</sup>		
Pertanian	Sektor Swasta	97.3	97.3	97.4	97.5	97.5	97.7	97.6	97.6	97.5	Private Sector	Agriculture
	Sektor Awam	2.7	2.7	2.6	2.5	2.5	2.3	2.4	2.4	2.5	Public Sector	
Perlombongan dan pengkuarian	Sektor Swasta	54.5	54.7	54.7	60.7	65.3	71.7	74.4	73.4	70.4	Private Sector	Mining and quarrying
	Sektor Awam	45.5	45.3	45.3	39.3	34.7	28.3	25.6	26.6	29.6	Public Sector	
Pembuatan	Sektor Swasta	84.1	81.5	84.3	87.0	88.2	88.6	89.2	89.9	89.8	Private Sector	Manufacturing
	Sektor Awam	15.9	18.5	15.7	13.0	11.8	11.4	10.8	10.1	10.2	Public Sector	
Pembinaan	Sektor Swasta	94.4	94.6	94.7	94.7	94.8	94.8	94.9	94.8	94.4	Private Sector	Construction
	Sektor Awam	5.6	5.4	5.3	5.3	5.2	5.2	5.1	5.2	5.6	Public Sector	
Perkhidmatan	Sektor Swasta	59.6	61.7	63.3	64.5	67.9	70.0	73.1	73.4	72.9	Private Sector	Services
	Sektor Awam	40.4	38.3	36.7	35.5	32.1	30.0	26.9	26.6	27.1	Public Sector	
Jumlah	Sektor Swasta	65.1	66.3	68.1	70.1	72.8	74.9	77.5	77.8	77.2	Private Sector	Total
	Sektor Awam	34.9	33.7	31.9	29.9	27.2	25.1	22.5	22.2	22.8	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	2021	2022 <sup>p</sup>	2023 <sup>p</sup>		
Pertanian	Struktur	2,476	2,596	2,808	2,902	2,736	2,145	1,415	1,577	1,899	Structure	Agriculture
	Jentera dan peralatan	2,610	2,853	2,937	3,048	3,244	3,175	3,412	3,300	2,851	Machinery and equipment	
	Aset lain	4,962	5,090	5,141	4,911	5,108	4,829	5,014	5,070	5,245	Other assets	
Perlombongan dan pengkuarian	Struktur	19,865	16,221	14,413	13,518	15,441	12,902	11,061	11,656	11,369	Structure	Mining and quarrying
	Jentera dan peralatan	6,321	7,304	6,950	7,453	4,834	3,129	3,427	2,640	2,300	Machinery and equipment	
	Aset lain	4,499	3,791	3,305	3,481	3,782	3,990	4,142	4,422	4,936	Other assets	
Pembuatan	Struktur	13,224	14,939	16,140	17,285	14,802	10,512	9,247	10,266	11,933	Structure	Manufacturing
	Jentera dan peralatan	28,794	31,337	37,003	36,459	33,647	29,520	35,393	40,570	42,965	Machinery and equipment	
	Aset lain	5,943	5,389	6,440	6,387	6,909	6,137	5,332	4,705	3,918	Other assets	
Pembinaan	Struktur	1,114	1,060	1,069	1,423	1,772	1,724	1,641	1,759	1,929	Structure	Construction
	Jentera dan peralatan	3,582	3,985	4,416	4,355	4,048	4,023	4,078	4,158	4,139	Machinery and equipment	
	Aset lain	84	83	87	87	84	85	82	83	85	Other assets	
Perkhidmatan	Struktur	71,579	80,297	91,952	102,197	110,538	90,791	92,269	101,939	113,147	Structure	Services
	Jentera dan peralatan	27,734	31,490	36,600	36,291	39,385	43,405	48,648	55,493	57,793	Machinery and equipment	
	Aset lain	5,362	5,091	5,258	6,020	6,147	5,890	6,355	6,599	6,203	Other assets	
Jumlah	Struktur	108,259	115,113	126,382	137,326	145,289	118,074	115,633	127,197	140,276	Structure	Total
	Jentera dan peralatan	69,041	76,968	87,907	87,606	85,157	83,253	94,958	106,161	110,048	Machinery and equipment	
	Aset lain	20,850	19,444	20,231	20,887	22,030	20,932	20,926	20,879	20,387	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	2021	2022 <sup>p</sup>	2023 <sup>p</sup>		
Pertanian	Struktur	73	103	111	111	106	78	53	56	57	Structure	Agriculture
	Jentera dan peralatan	78	55	55	51	68	66	91	105	121	Machinery and equipment	
	Aset lain	125	129	124	115	103	97	94	87	82	Other assets	
Perlombongan dan pengkuarian	Struktur	13,974	13,920	11,813	8,413	8,496	5,687	4,304	4,612	5,435	Structure	Mining and quarrying
	Jentera dan peralatan	8,569	5,473	5,415	4,741	2,039	361	270	253	261	Machinery and equipment	
	Aset lain	3,030	3,257	3,180	2,628	2,227	1,867	1,575	1,642	1,737	Other assets	
Pembuatan	Struktur	4,217	5,826	5,001	4,913	4,496	4,071	3,954	3,984	4,011	Structure	Manufacturing
	Jentera dan peralatan	4,768	5,311	5,479	3,623	2,498	1,428	1,746	1,784	1,988	Machinery and equipment	
	Aset lain	108	355	407	292	309	309	406	530	714	Other assets	
Pembinaan	Struktur	24	46	45	68	85	100	72	76	102	Structure	Construction
	Jentera dan peralatan	259	238	260	252	233	211	230	243	256	Machinery and equipment	
	Aset lain	3	6	7	7	7	4	4	4	4	Other assets	
Perkhidmatan	Struktur	47,693	52,513	55,874	54,528	47,997	41,690	31,909	31,944	32,243	Structure	Services
	Jentera dan peralatan	19,685	16,265	18,206	21,074	22,070	16,016	19,110	22,946	27,531	Machinery and equipment	
	Aset lain	3,668	3,874	3,446	3,730	3,764	2,419	3,369	4,172	5,480	Other assets	
Jumlah	Struktur	65,981	72,408	72,844	68,033	61,180	51,626	40,292	40,672	41,849	Structure	Total
	Jentera dan peralatan	33,358	27,342	29,415	29,742	26,908	18,082	21,446	25,331	30,157	Machinery and equipment	
	Aset lain	6,935	7,620	7,163	6,771	6,410	4,696	5,448	6,435	8,017	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	2021	2022 <sup>p</sup>	2023 <sup>p</sup>		
Pertanian	Struktur	24.6	24.6	25.8	26.7	24.7	21.1	14.4	15.9	19.0	Structure	Agriculture
	Jentera dan peralatan	26.0	27.1	27.0	28.1	29.3	31.3	34.7	33.2	28.5	Machinery and equipment	
	Aset lain	49.4	48.3	47.2	45.2	46.1	47.6	51.0	51.0	52.5	Other assets	
Perlombongan dan pengkuarian	Struktur	64.7	59.4	58.4	55.3	64.2	64.4	59.4	62.3	61.1	Structure	Mining and quarrying
	Jentera dan peralatan	20.6	26.7	28.2	30.5	20.1	15.6	18.4	14.1	12.4	Machinery and equipment	
	Aset lain	14.7	13.9	13.4	14.2	15.7	19.9	22.2	23.6	26.5	Other assets	
Pembuatan	Struktur	27.6	28.9	27.1	28.7	26.7	22.8	18.5	18.5	20.3	Structure	Manufacturing
	Jentera dan peralatan	60.0	60.7	62.1	60.6	60.8	63.9	70.8	73.0	73.0	Machinery and equipment	
	Aset lain	12.4	10.4	10.8	10.6	12.5	13.3	10.7	8.5	6.7	Other assets	
Pembinaan	Struktur	23.3	20.7	19.2	24.3	30.0	29.6	28.3	29.3	31.3	Structure	Construction
	Jentera dan peralatan	74.9	77.7	79.3	74.2	68.6	69.0	70.3	69.3	67.3	Machinery and equipment	
	Aset lain	1.8	1.6	1.6	1.5	1.4	1.5	1.4	1.4	1.4	Other assets	
Perkhidmatan	Struktur	68.4	68.7	68.7	70.7	70.8	64.8	62.7	62.1	63.9	Structure	Services
	Jentera dan peralatan	26.5	26.9	27.4	25.1	25.2	31.0	33.0	33.8	32.6	Machinery and equipment	
	Aset lain	5.1	4.4	3.9	4.2	3.9	4.2	4.3	4.0	3.5	Other assets	
Jumlah	Struktur	54.6	54.4	53.9	55.9	57.5	53.1	49.9	50.0	51.8	Structure	Total
	Jentera dan peralatan	34.8	36.4	37.5	35.6	33.7	37.5	41.0	41.8	40.7	Machinery and equipment	
	Aset lain	10.5	9.2	8.6	8.5	8.7	9.4	9.0	8.2	7.5	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	2021	2022 <sup>p</sup>	2023 <sup>p</sup>		
Pertanian	Struktur	26.3	36.0	38.2	40.2	38.4	32.3	22.2	22.6	22.1	Structure	Agriculture
	Jentera dan peralatan	28.3	19.1	19.1	18.5	24.5	27.5	38.2	42.2	46.3	Machinery and equipment	
	Aset lain	45.4	44.9	42.7	41.3	37.1	40.2	39.5	35.2	31.6	Other assets	
Perlombongan dan pengkuarian	Struktur	54.6	61.5	57.9	53.3	66.6	71.8	70.0	70.9	73.1	Structure	Mining and quarrying
	Jentera dan peralatan	33.5	24.2	26.5	30.0	16.0	4.6	4.4	3.9	3.5	Machinery and equipment	
	Aset lain	11.8	14.4	15.6	16.7	17.4	23.6	25.6	25.2	23.4	Other assets	
Pembuatan	Struktur	46.4	50.7	45.9	55.7	61.6	70.1	64.8	63.3	59.7	Structure	Manufacturing
	Jentera dan peralatan	52.4	46.2	50.3	41.0	34.2	24.6	28.6	28.3	29.6	Machinery and equipment	
	Aset lain	1.2	3.1	3.7	3.3	4.2	5.3	6.6	8.4	10.6	Other assets	
Pembinaan	Struktur	8.4	15.9	14.5	20.8	26.1	31.8	23.5	23.5	28.3	Structure	Construction
	Jentera dan peralatan	90.5	82.2	83.3	77.1	71.7	67.1	75.4	75.3	70.7	Machinery and equipment	
	Aset lain	1.0	1.9	2.1	2.1	2.2	1.1	1.2	1.1	1.0	Other assets	
Perkhidmatan	Struktur	67.1	72.3	72.1	68.7	65.0	69.3	58.7	54.1	49.4	Structure	Services
	Jentera dan peralatan	27.7	22.4	23.5	26.6	29.9	26.6	35.1	38.9	42.2	Machinery and equipment	
	Aset lain	5.2	5.3	4.4	4.7	5.1	4.0	6.2	7.1	8.4	Other assets	
Jumlah	Struktur	62.1	67.4	66.6	65.1	64.7	69.4	60.0	56.1	52.3	Structure	Total
	Jentera dan peralatan	31.4	25.5	26.9	28.4	28.5	24.3	31.9	35.0	37.7	Machinery and equipment	
	Aset lain	6.5	7.1	6.5	6.5	6.8	6.3	8.1	8.9	10.0	Other assets	



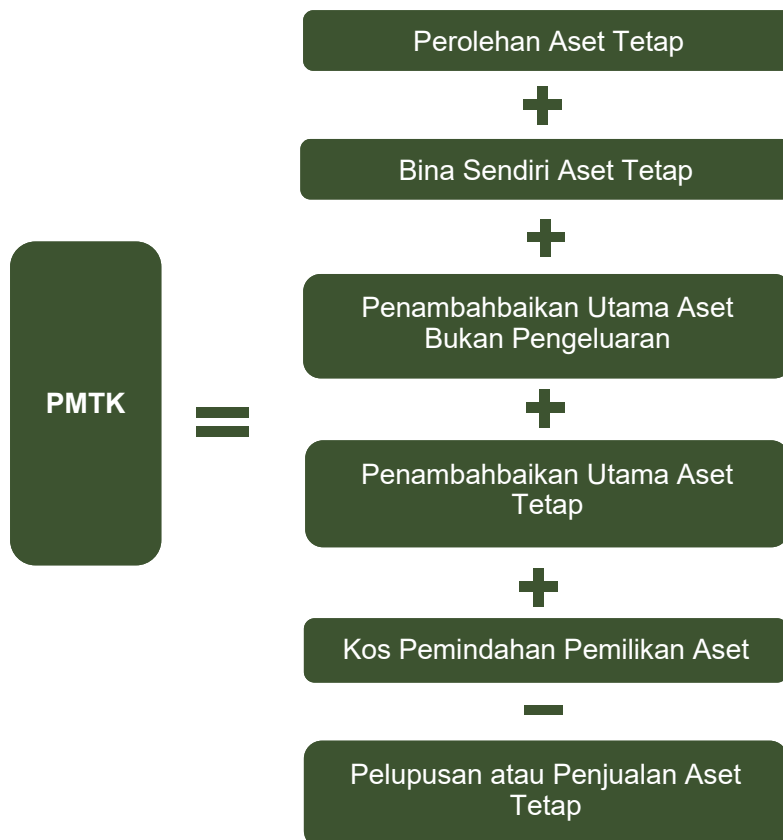
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## PENGENALAN

Penerbitan ini memberikan statistik Pembentukan Modal Tetap Kasar (PMTK) mengikut jenis aktiviti ekonomi, jenis aset dan sektor bagi tahun 2015 hingga 2023. 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.

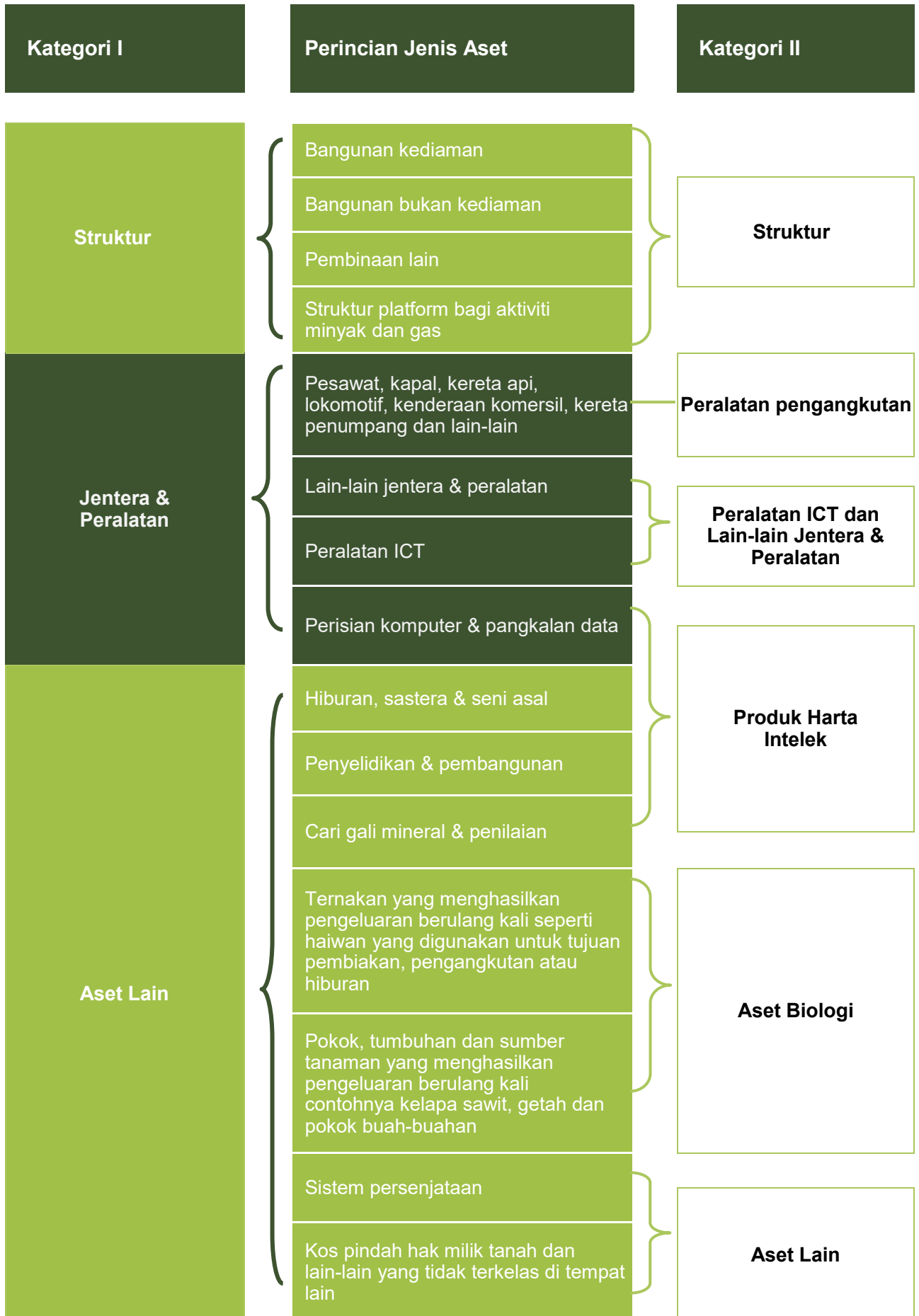
## **PEMILIKAN ASET**

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 kedua terbahagi kepada enam jenis aset iaitu Struktur, Peralatan pengangkutan, Peralatan ICT dan Lain-lain Jentera & Peralatan Peralatan, Produk Harta Intelek, Aset Biologi dan Aset Lain seperti Jadual A berikut:

**Jadual A: Kategori Aset**



## 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 opsiyen; 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 B: 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		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 C: Aktiviti Utama Ekonomi mengikut Sub aktiviti



Jenis Aktiviti Ekonomi	Perincian Jenis Aktiviti Ekonomi
 <b>PERTANIAN</b>	
<b>Getah &amp; Kelapa Sawit</b>	<ul style="list-style-type: none"> <li>• Getah</li> <li>• Kelapa Sawit</li> </ul>
<b>Ternakan &amp; Perikanan</b>	<ul style="list-style-type: none"> <li>• Ternakan ayam dan itik</li> <li>• Lembu/ kerbau</li> <li>• Ternakan lain</li> <li>• Perikanan laut</li> <li>• Akuakultur</li> </ul>
<b>Pertanian Lain</b>	<ul style="list-style-type: none"> <li>• Perhutanan dan pembalakan</li> <li>• Padi</li> <li>• Sayur-sayuran</li> <li>• Buah-buahan</li> <li>• Tanaman makanan</li> <li>• Lain-lain</li> </ul>
 <b>PERLOMBONGAN DAN PENGKUARIAN</b>	
<b>Perlombongan dan Pengkuarian</b>	<ul style="list-style-type: none"> <li>• Minyak mentah dan kondensat</li> <li>• Gas asli</li> <li>• Perlombongan lain &amp; pengkuarian dan perkhidmatan sokongan</li> </ul>
 <b>PEMBUATAN</b>	
<b>Makanan, Minuman &amp; Tembakau</b>	<ul style="list-style-type: none"> <li>• Minyak dan lemak daripada sayuran &amp; haiwan</li> <li>• Prosesan makanan</li> <li>• Minuman</li> <li>• Produk tembakau</li> </ul>

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

<b>Jenis Aktiviti Ekonomi</b>	<b>Perincian Jenis Aktiviti Ekonomi</b>
<b>Produk Tekstil &amp; Kayu</b>	<ul style="list-style-type: none"><li>• Tekstil dan pakaian</li><li>• Kulit dan produk berkaitan</li><li>• Keluaran kayu</li><li>• Kertas dan produk kertas</li><li>• Percetakan dan pengeluaran semula media rakaman</li><li>• Perabot</li></ul>
<b>Produk Petroleum, Kimia, Getah &amp; Plastik</b>	<ul style="list-style-type: none"><li>• Produk petroleum bertapis</li><li>• Bahan kimia &amp; produk kimia dan produk farmaseutikal</li><li>• Produk getah</li><li>• Produk plastik</li></ul>
<b>Produk Mineral Bukan Logam, Logam Asas &amp; Produk Logam Yang Direka</b>	<ul style="list-style-type: none"><li>• Produk mineral bukan logam</li><li>• Logam asas</li><li>• Produk logam yang direka</li></ul>
<b>Produk Elektrik, Elektronik &amp; Optikal dan Peralatan Pengangkutan</b>	<ul style="list-style-type: none"><li>• Jentera dan peralatan</li><li>• Komputer dan kelengkapan peranti</li><li>• Kelengkapan elektrik</li><li>• Komponen &amp; papan elektronik, peralatan komunikasi dan elektronik pengguna</li><li>• Pembuatan peralatan perubatan, ketepatan &amp; optik, jam tangan dan jam</li><li>• Kenderaan bermotor dan peralatan pengangkutan</li><li>• Pembuatan lain dan pembaikan &amp; pemasangan mesin dan kelengkapan</li></ul>








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

Jenis Aktiviti Ekonomi	Perincian Jenis Aktiviti Ekonomi
 <b>PEMBINAAN</b>	
<b>Pembinaan</b>	<ul style="list-style-type: none"> <li>• Bangunan kediaman</li> <li>• Bangunan bukan kediaman</li> <li>• Kejuruteraan awam</li> <li>• Aktiviti pembinaan pertukangan khas</li> </ul>
 <b>PERKHIDMATAN</b>	
<b>Perdagangan Borong dan Runcit</b>	<ul style="list-style-type: none"> <li>• Perdagangan borong</li> <li>• Perdagangan runcit</li> <li>• Kenderaan bermotor</li> </ul>
<b>Makanan &amp; Minuman dan Penginapan</b>	<ul style="list-style-type: none"> <li>• Makanan dan minuman</li> <li>• Penginapan</li> </ul>
<b>Pengangkutan &amp; Penyimpanan dan Maklumat &amp; Komunikasi</b>	<ul style="list-style-type: none"> <li>• Pengangkutan darat</li> <li>• Pengangkutan air</li> <li>• Pengangkutan udara</li> <li>• Pelabuhan dan operasi lapangan terbang</li> <li>• Operasi lebuhraya</li> <li>• Aktiviti sokongan untuk pengangkutan</li> <li>• Pos dan kurier</li> <li>• Aktiviti penerbitan dan penyiaran</li> <li>• Telekomunikasi</li> <li>• Aktiviti komputer dan perkhidmatan maklumat</li> </ul>
<b>Kewangan, Insurans, Hartanah dan Perkhidmatan Perniagaan</b>	<ul style="list-style-type: none"> <li>• Pengantara kewangan</li> <li>• Lain-lain pengantara kewangan dan aktiviti sokongan kewangan</li> <li>• Insurans dan tabungan pencen</li> <li>• Aktiviti sokongan insurans</li> <li>• Hartanah</li> </ul>

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

<b>Jenis Aktiviti Ekonomi</b>	<b>Perincian Jenis Aktiviti Ekonomi</b>
	<ul style="list-style-type: none"><li>• Profesional, saintifik dan teknikal</li><li>• Pentadbiran dan khidmat sokongan</li><li>• Kediaman yang didiami oleh pemilik</li></ul>
<b>Perkhidmatan Lain</b>	<ul style="list-style-type: none"><li>• Elektrik dan gas</li><li>• Air, pembentungan dan pengurusan sisa</li><li>• Perkhidmatan kesihatan swasta</li><li>• Perkhidmatan pendidikan swasta</li><li>• Perkhidmatan swasta lain</li><li>• Perkhidmatan kerajaan</li><li>• Institusi bukan keuntungan yang berkhidmat kepada isi rumah</li><li>• Perkhidmatan domestik bagi isi rumah</li></ul>

# SUMBER DATA

Aktiviti Ekonomi		Pertanian	Perlombongan dan pengkuarian	Pembuatan	Pembinaan	Perkhidmatan
						
Sumber Data						
1	Banci Ekonomi	✓	✓	✓	✓	✓
2	Statistik Ekonomi Tahunan	✓	✓	✓	✓	✓
3	Jadual Penawaran & Penggunaan 2015	✓	✓	✓	✓	✓
4	Survei Perbelanjaan Modal Syarikat Awam Bukan Kewangan (SABK)	✓	✓	✓	✓	✓
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 Malaysia	✓				
12	Kementerian Pertanian dan Keterjaminan Makanan Malaysia	✓				
13	Lembaga Minyak Sawit Malaysia	✓				
14	Lembaga Getah Malaysia	✓				
15	Lembaga Perindustrian Nanas Malaysia	✓				
16	Lembaga Koko Malaysia	✓				
17	Lembaga Lada Malaysia	✓				
18	Penyata Kewangan Kerajaan Persekutuan, Kerajaan Negeri, Pihak Berkuasa Tempatan dan Badan-badan Berkanun					✓
19	Perbadanan Kemajuan Filem Nasional Malaysia (FINAS)					✓
20	Persatuan Industri Rakaman Malaysia (RIM)					✓
21	Penyata kewangan syarikat	✓	✓	✓	✓	✓
22	Kajian Penyelidikan dan Pembangunan Nasional, MASTIC					✓
23	Pusat Maklumat Harta Tanah (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
<i>2008 SNA</i>	<i>System of National Accounts 2008</i>

## **SEMAKAN**

Semakan anggaran tahunan bagi tahun 2021 dan 2022 adalah berdasarkan banci/ survei terkini bagi industri terpilih dan sumber lain.

## **NOTA**

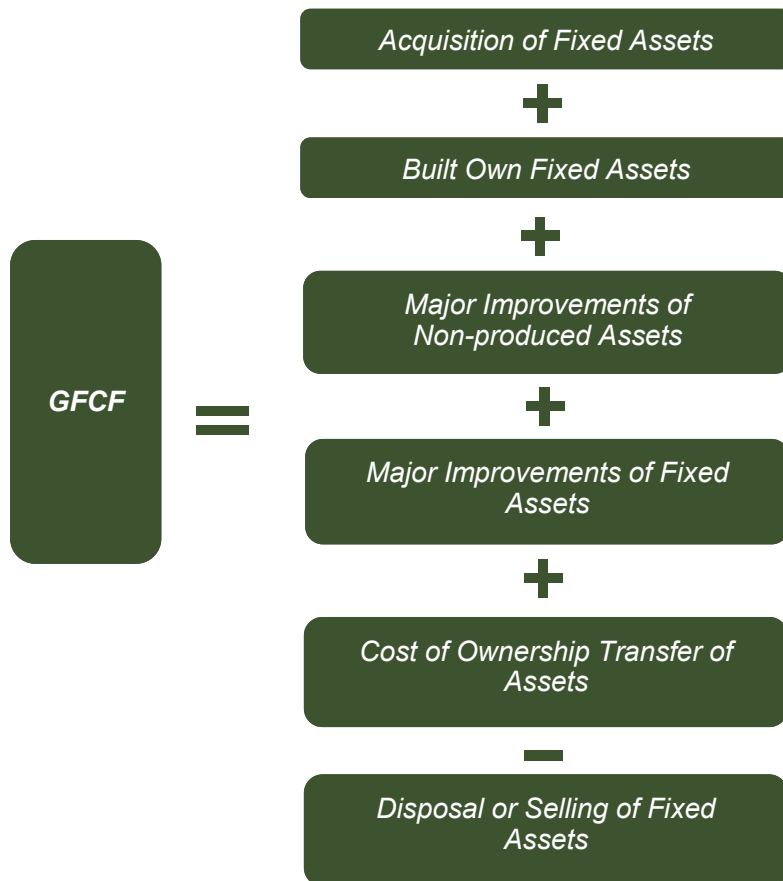
Jumlah angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran angka.

## INTRODUCTION

*This publication provides statistics on Gross Fixed Capital Formation (GFCF) by kind of economic activity, type of assets and sector for year 2015 to 2023. 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 accepting the associated risks.*

## **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 second category divided into six type of assets that are Structure, Transport Equipment, ICT equipment and Other Machinery & Equipment, Intellectual Property Products, Biological Assets and Other Assets as in Table A below:*

**Table A: Category of Assets**

Category I	Details of Type of Assets	Category II
Structure	Residential buildings	Structure
	Non-residential buildings	
	Other construction	
	Floating structure for oil and gas activities	
Machinery & Equipment	Aircraft, ship, train, locomotive, commercial vehicle, passenger car, etc.	Transport Equipment
	Other machinery & equipment	ICT equipment and Other Machinery & Equipment
	ICT equipment	
	Computer software & database	Intellectual Property Products
Other Assets	Entertainment, literary & artistic original	
	Research & development	
	Mineral exploration & evaluation	
Other Assets	Livestock yields repeated production such as animal purposely used for breeding, transportation or entertainment	Biological Assets
	Trees, crops and planted resources yields repeated production i.e. oil palm, rubber and fruit trees	
	Other Assets	Weapons systems
Cost of ownership transfer for land and others that are not elsewhere classified		

## **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 B: Public and Private Sectors by Institutional Units**

<b>Non-financial Corporation</b>	<b>Financial Corporation</b>	<b>General Government</b>	<b>NPISHs</b>	<b>Households</b>
<b>Public</b>	<b>Public</b>	<b>Public</b>	<b>Private</b>	<b>Private</b>
<b>Private</b>	<b>Private</b>			






*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 C: Main Economic Activity by Sub-activity**

<b>Kind of Economic Activity</b>	<b>Details Kind of Economic Activity</b>
 <b>AGRICULTURE</b>	
<b>Rubber &amp; Oil Palm</b>	<ul style="list-style-type: none"> <li>• Rubber</li> <li>• Oil Palm</li> </ul>
<b>Livestock &amp; Fishing</b>	<ul style="list-style-type: none"> <li>• Poultry</li> <li>• Cattle</li> <li>• Other livestock</li> <li>• Marine fishing</li> <li>• Aquaculture</li> </ul>
<b>Other Agriculture</b>	<ul style="list-style-type: none"> <li>• Forestry and logging</li> <li>• Paddy</li> <li>• Vegetables</li> <li>• Fruits</li> <li>• Food crops</li> <li>• Others</li> </ul>
 <b>MINING AND QUARRYING</b>	
<b>Mining and Quarrying</b>	<ul style="list-style-type: none"> <li>• Crude oil and condensate</li> <li>• Natural gas</li> <li>• Other mining &amp; quarrying and supporting services</li> </ul>
 <b>MANUFACTURING</b>	
<b>Food, Beverages &amp; Tobacco</b>	<ul style="list-style-type: none"> <li>• Vegetable and animal oils &amp; fats</li> <li>• Food processing</li> <li>• Beverages</li> <li>• Tobacco products</li> </ul>

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

<b>Kind of Economic Activity</b>	<b>Details Kind of Economic Activity</b>
<b>Textiles &amp; Wood Products</b>	<ul style="list-style-type: none"> <li>• Textile and wearing apparel</li> <li>• Leather and related products</li> <li>• Wood products</li> <li>• Paper and paper products</li> <li>• Printing and reproduction of recorded media</li> <li>• Furniture</li> </ul>
<b>Petroleum, Chemical, Rubber &amp; Plastic Products</b>	<ul style="list-style-type: none"> <li>• Refined petroleum products</li> <li>• Chemicals &amp; chemical products and pharmaceutical products</li> <li>• Rubber products</li> <li>• Plastics products</li> </ul>
<b>Non-metallic Mineral Products, Basic Metal &amp; Fabricated Metal Products</b>	<ul style="list-style-type: none"> <li>• Non-metallic mineral products</li> <li>• Basic metals</li> <li>• Fabricated metal products</li> </ul>
<b>Electrical, Electronic &amp; Optical products and Transport Equipment</b>	<ul style="list-style-type: none"> <li>• Machinery and equipment</li> <li>• Computers and peripheral equipment</li> <li>• Electrical equipment</li> <li>• Electronic components &amp; boards, communication equipment and consumer electronics</li> <li>• Manufacture of medical, precision &amp; optical instrument, watches and clocks</li> <li>• Motor vehicles and transport equipment</li> <li>• Other manufacturing and repair &amp; installation of machinery and equipment</li> </ul>






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

<b>Kind of Economic Activity</b>	<b>Details Kind of Economic Activity</b>
 <b>CONSTRUCTION</b>	
	<ul style="list-style-type: none"> <li>• Residential buildings</li> <li>• Non-residential buildings</li> <li>• Civil engineering</li> <li>• Specialised construction activities</li> </ul>
 <b>SERVICES</b>	
<b>Wholesale and Retail Trade</b>	<ul style="list-style-type: none"> <li>• Wholesale trade</li> <li>• Retail trade</li> <li>• Motor vehicles</li> </ul>
<b>Food &amp; Beverage and Accommodation</b>	<ul style="list-style-type: none"> <li>• Food and beverage</li> <li>• Accommodation</li> </ul>
<b>Transportation &amp; Storage and Information &amp; Communication</b>	<ul style="list-style-type: none"> <li>• Land transport</li> <li>• Water transport</li> <li>• Air transport</li> <li>• Port and airport operation</li> <li>• Highway operation</li> <li>• Support activities for transportation</li> <li>• Postal and courier</li> <li>• Publishing &amp; broadcasting activities</li> <li>• Telecommunication</li> <li>• Computer &amp; information services</li> </ul>
<b>Finance, Insurance, Real Estate and Business Services</b>	<ul style="list-style-type: none"> <li>• Monetary intermediation</li> <li>• Other financial intermediation and activities auxiliary to finance</li> <li>• Insurance and pension funding</li> <li>• Activities auxiliary to insurance</li> <li>• Real estate</li> </ul>

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

<b>Kind of Economic Activity</b>	<b>Details Kind of Economic Activity</b>
	<ul style="list-style-type: none"> <li>• <i>Professional, scientific and technical</i></li> <li>• <i>Administrative and support services</i></li> <li>• <i>Owner occupied dwelling</i></li> </ul>
<b>Other Services</b>	<ul style="list-style-type: none"> <li>• <i>Electricity and gas</i></li> <li>• <i>Water, sewerage and waste management</i></li> <li>• <i>Private health services</i></li> <li>• <i>Private education services</i></li> <li>• <i>Other private services</i></li> <li>• <i>Government services</i></li> <li>• <i>Non-profit institutions serving households</i></li> <li>• <i>Domestic services of households</i></li> </ul>

# DATA SOURCES

Economic Activity		Agriculture	Mining and quarrying	Manufacturing	Construction	Services
						
Data Sources						
1	Economic Census	✓	✓	✓	✓	✓
2	Annual Economic Statistics	✓	✓	✓	✓	✓
3	Supply & Use Tables 2015	✓	✓	✓	✓	✓
4	Survey of Capital Expenditure for Non-Financial Public Corporations (NFPCs)	✓	✓	✓	✓	✓
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 Malaysia	✓				
12	Ministry of Agriculture and Food Security Malaysia	✓				
13	Malaysian Palm Oil Board	✓				
14	Malaysian Rubber Board	✓				
15	Malaysian Pineapple Industry Board	✓				
16	Malaysian Cocoa Board	✓				
17	Malaysian Pepper Board	✓				
18	Financial Statement Government, State Government, Local Authorities and Statutory Bodies					✓
19	National Film Development Corporation Malaysia					✓
20	Recording Industry Association of Malaysia					✓
21	Financial statement from companies	✓	✓	✓	✓	✓
22	National Research and Development Survey, MASTIC					✓
23	National Property Information Centre (NAPIC)					✓

## **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 2021 and 2022 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.*



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