



INISIATIF DATA TERBUKA SEKTOR AWAM (DTSA)





KANDUNGAN

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LATAR BELAKANG





SEJARAH DATA TERBUKA

1940an

“Scientific Research Should Be Free To All”

Idea Daripada Robert King Merton, Pelopor Sosiologi Modern Amerika



1995

Terma **“Open Data”** mula diperkenalkan di Amerika Syarikat dalam sebuah laporan agensi Amerika berkaitan data geofizikal dan persekitaran.

2007

Open Government Working Group anjuran O'Reilly Media di sertai 30 pakar teknologi yang menyokong gerakan Kerajaan Terbuka di Amerika berbincang dan memperkenalkan **8 prinsip Data Terbuka**.

2011

The Open Government Partnership (OGP) ditubuhkan. Dianggotai oleh 75 negara di seluruh dunia (Malaysia bukan ahli). Menunjukkan bahawa data terbuka telah mula menjadi agenda antarabangsa bermula pada ketika ini.





SEJARAH DATA TERBUKA SEKTOR AWAM (PUNCA KUASA)



**JITIK BIL.1/2014
(28 MAC 2014)**

Memutuskan supaya semua agensi bersedia dan mengambil tindakan **mengenal pasti inisiatif set data bagi pelaksanaan Data Terbuka** dalam setiap bidang perkhidmatan agensi.

**JITIK BIL.2/2014
(7 NOV 2014)**

Mesyuarat bersetuju supaya **MAMPU mengukuhkan enabling platform**, melaksanakan libat urus dengan agensi Kerajaan dan industri, membangunkan projek rintis bagi menghalusi prinsip/polisi dalam pelaksanaan Data Terbuka, memantau dan menyusuli pelaksanaan Data Terbuka.

**MESYUARAT MPA BIL. 1
TAHUN 2016
(30 MAC 2016)**

Mesyuarat mengambil perhatian **perkongsian data secara lebih agresif** dalam kalangan kementerian/ agensi diperlukan untuk memastikan analisis yang dibuat lebih tepat dan menyeluruh.

**MESYUARAT KSUKP BIL 8
2019
(6 OGOS 2019)**

Mesyuarat memutuskan bahawa **MAMPU dikehendaki membuat pemantauan secara berkala terhadap pelaksanaan Platform Perkongsian Data Sektor Awam**



Objektif Pelaksanaan

- i. **Menggalakkan perkongsian data** antara agensi sektor awam, swasta dan rakyat.
- ii. **Meningkatkan kualiti dan ketelusan** penyampaian perkhidmatan melalui perkongsian data terbuka secara dalam talian yang berpaksikan rakyat.
- iii. **Menggalakkan produktiviti** ekonomi digital melalui pewujudan industri atau inovasi baharu dengan penglibatan rakyat dan komuniti perniagaan.



(Pekeliling Am Bil. 1 Tahun 2015 Pelaksanaan Data Terbuka Sektor Awam)

APA ITU DATA TERBUKA?



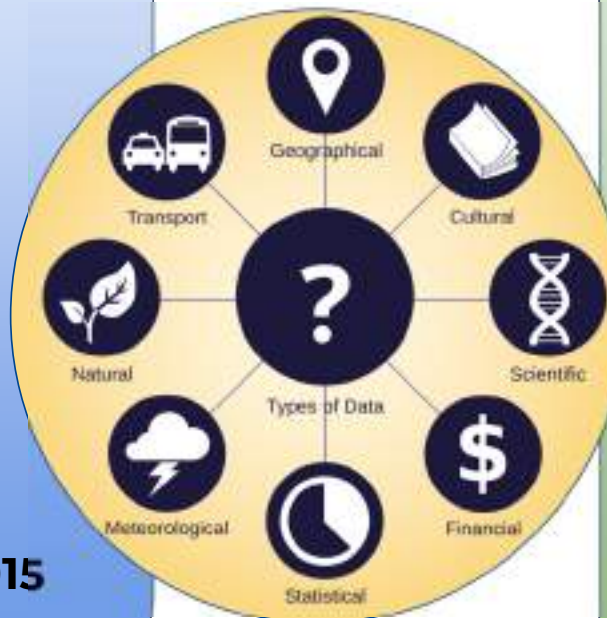


APA ITU DATA TERBUKA

Definisi Data Terbuka

Data Terbuka ialah data yang boleh **digunakan secara bebas**, boleh dikongsikan dan digunakan semula oleh rakyat, agensi kerajaan dan swasta untuk pelbagai tujuan.

(Pekeliling Am Bil. 1 Tahun 2015
Pelaksanaan Data Terbuka
Sektor Awam)



Open Data

*Open data is information or content made freely available to use and redistribute, subject **only** to the requirement to attribute it to the source.*

Gartner



APA ITU DATA TERBUKA



APA PULA YANG BUKAN DATA TERBUKA?

The key point when opening up data, the focus is on **NON-PERSONAL DATA**, that is, data which does not contain information about specific individuals. For government data, it may be subject to restrictions due to **NATIONAL SECURITY CONCERNS**.

(www.opendatahandbook.org)

MAKLUMAT PERIBADI/SENSITIF

kad pengenalan + nama + alamat rumah secara penuh, 3R (Races, Religions & Royalties)

MAKLUMAT KESELAMATAN NEGARA

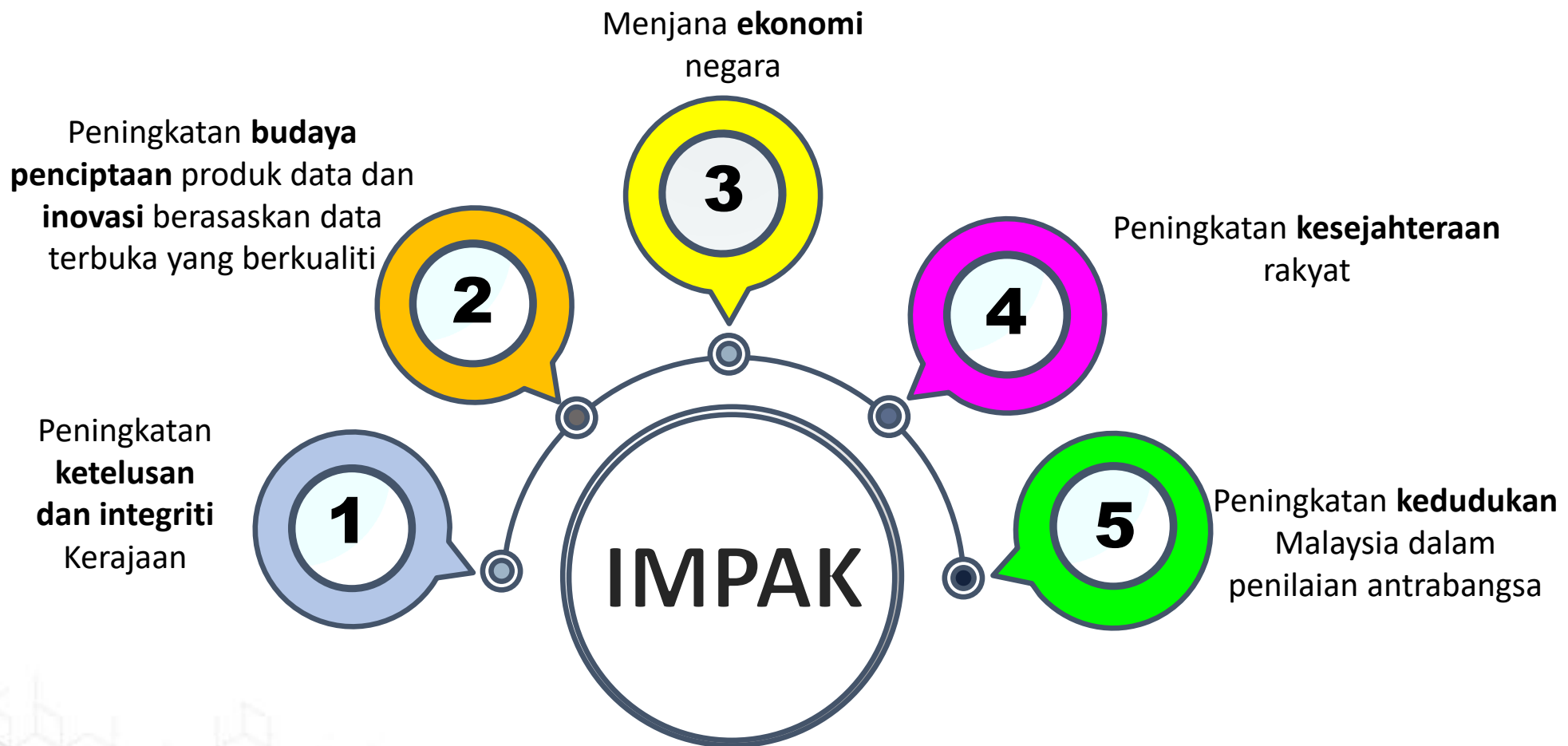
operasi ketenteraan, kelemahan sekuriti siber, komunikasi diplomatik dengan negara luar

IMPAK DAN KEPENTINGAN





IMPAK DATA TERBUKA





PENILAIAN ANTARABANGSA DATA TERBUKA



Online Services Index (OSI) by United Nation (UN)

Penilaian ke atas setiap portal rasmi negara dalam bahasa rasmi sesebuah negara merangkumi portal nasional, eServices dan e-participation serta maklumat pendidikan, sumber manusia, perkhidmatan sosial, kesihatan, kewangan dan alam sekitar melalui laman web Kementerian berkaitan.



Open Data Inventory (ODIN) by Open Data Watch

Menilai liputan dan keterbukaan data statistik kerajaan untuk mengenal pasti jurang, mempromosikan dasar data terbuka, meningkatkan akses, menyokong dialog antara National Statistic Office (NSO) dan pengguna data dan memenuhi standard keterbukaan antarabangsa.



KEDUDUKAN MALAYSIA DALAM OSI

2024

Pencapaian indeks OGD Malaysia sedikit menurun:
0.8205 (*Very High OGD Level*)

2022

Indeks OGD Malaysia:
0.8592 (*Very High OGD Level*)

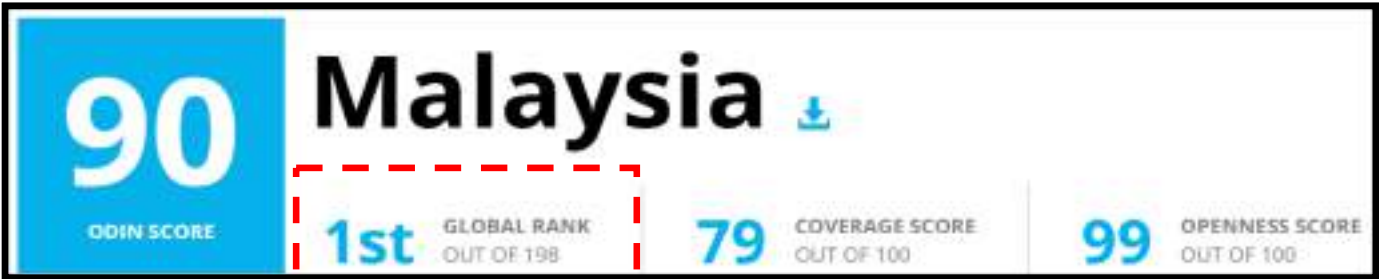
**Open
Government
Data
(OGD)**

Data open to and available in the public domain in various (including machine-readable) formats and normally licensed for all to access, use, modify and shared essentially, all OGD are government data, but not all government data are OGD



KEDUDUKAN MALAYSIA DALAM ODIN

2024



2022



The Open Data Inventory (ODIN) measures how complete a country’s statistical offerings are and whether their data meet international standards of openness. **Malaysia ranks 1st in the Open Data Inventory 2024 with an overall score of 90.**

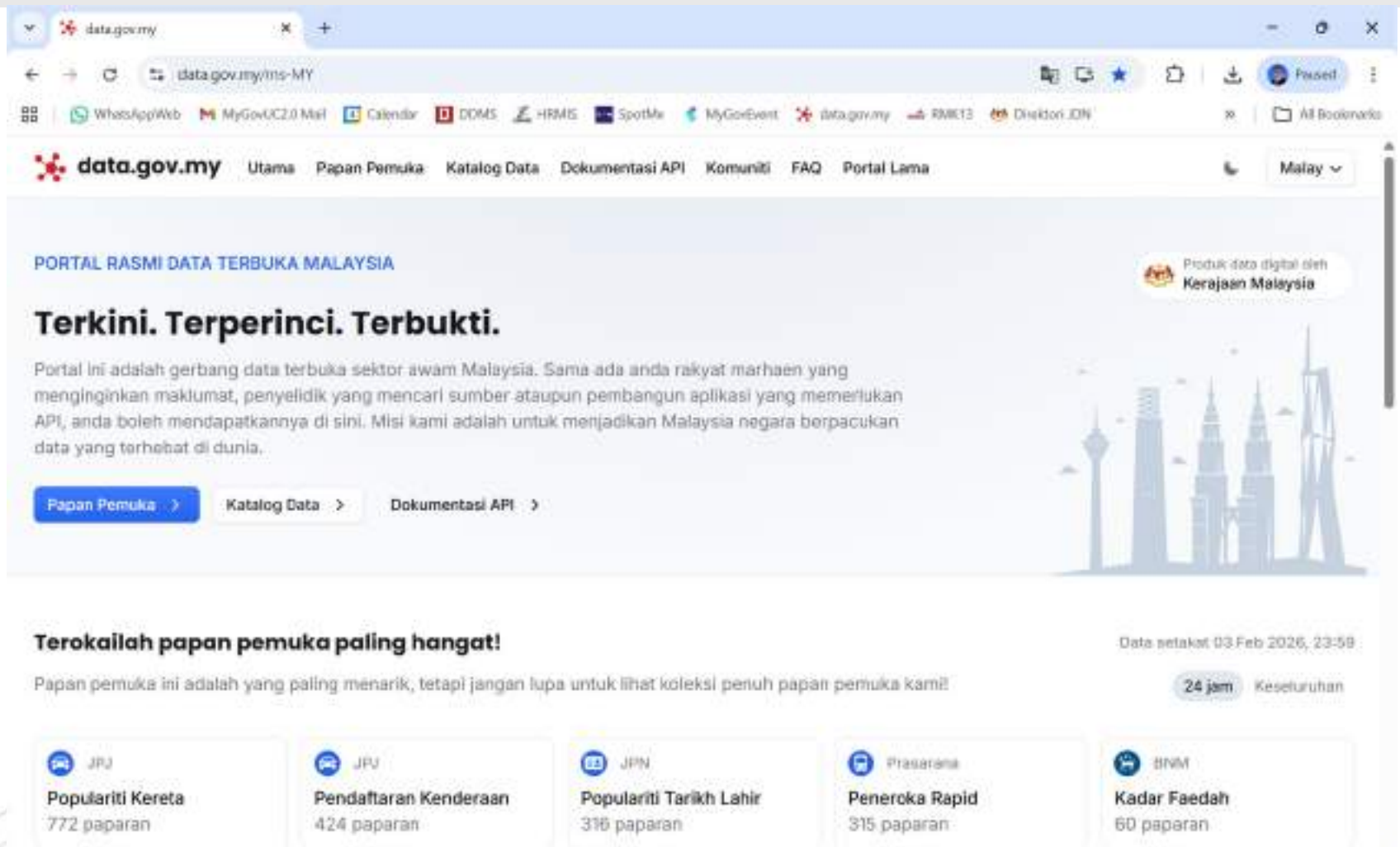
PORTAL DATA TERBUKA





PORTAL DTSA

Portal
yang lebih
ringkas,
mesra
pengguna
dan
menarik



The screenshot shows the homepage of the data.gov.my portal. The browser address bar displays 'data.gov.my/mys-MY'. The portal header includes the 'data.gov.my' logo and navigation links: 'Utama', 'Papan Pemuka', 'Katalog Data', 'Dokumentasi API', 'Komuniti', 'FAQ', and 'Portal Lama'. A language selector is set to 'Malay'. The main content area features the title 'PORTAL RASMI DATA TERBUKA MALAYSIA' and the slogan 'Terkini. Terperinci. Terbukti.' Below this, a paragraph describes the portal as the official open data sector for Malaysia, serving citizens, researchers, and developers. Three buttons are provided: 'Papan Pemuka', 'Katalog Data', and 'Dokumentasi API'. To the right, a graphic shows the Petronas Towers with the text 'Produk data digital oleh Kerajaan Malaysia'. A section titled 'Terokailah papan pemuka paling hangat!' (Explore the hottest dashboards!) lists five featured dashboards with their respective view counts. A timestamp 'Data setakat 03 Feb 2026, 23:58' and a '24 jam Kesetruhan' (24-hour freshness) badge are also visible.

Agency	Dashboard Name	Views
JPJ	Populariti Kereta	772 paparan
JPU	Pendaftaran Kenderaan	424 paparan
JPN	Populariti Tarikh Lahir	316 paparan
Prasarana	Peneroka Rapid	315 paparan
BNM	Kadar Faedah	60 paparan



PORTAL DTSA

The screenshot shows the data.gov.my portal dashboard. The header includes the logo, navigation links (Utama, Papan Pemuka, Katalog Data, Dokumentasi API, Komuniti, FAQ, Portal Lama), and a language selector (Malay). The main content area is titled "PORTAL RASMI DATA TERBUKA MALAYSIA" and "Papan Pemuka". Below this is a search bar and a filter for "Agensi". The dashboard displays six data cards:

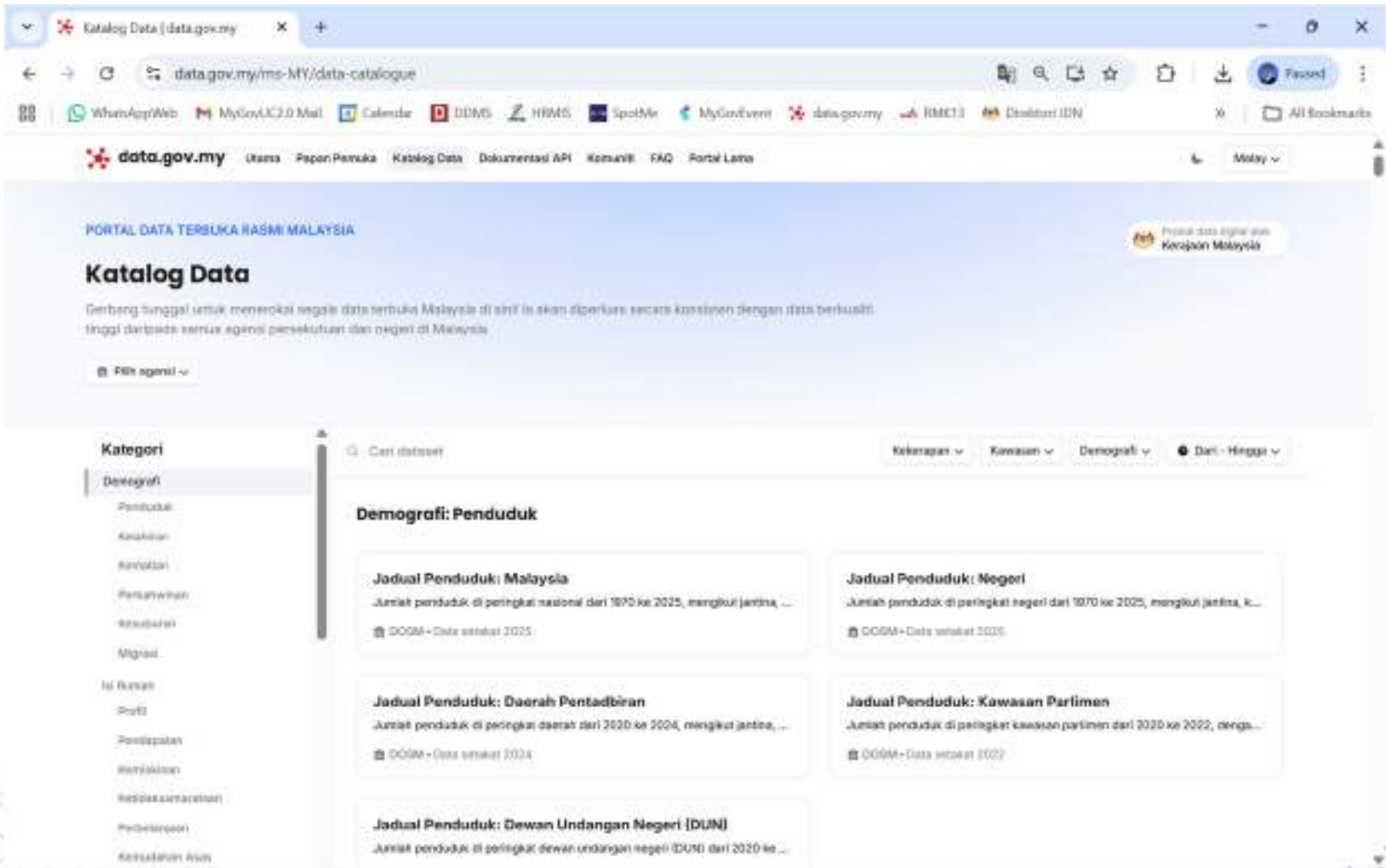
- JPH Populariti Hari Lahir**: Persekitaran interaktif data pendaftaran kelahiran sejak 1920; dapatkan fakta menarik mengenai tarikh lahir anda. 100K paparan.
- Imigresen Imigrasi**: Ketahui bilangan warga asing di Malaysia mengikut kewarganegaraan. 10K paparan.
- JAKOA Orang Asli**: Rinci tahunan Orang Asli di peringkat kampung, dengan pecahan mengikut demografi utama. 45K paparan.
- JPU Populariti Kenderaan**: Persekitaran interaktif data pendaftaran kereta; terokailah trend untuk mana-mana pengeluar atau model kereta. 550K paparan.
- JPU Pendaftaran Kenderaan**: Rumusan trend pendaftaran kenderaan bagi penggubal lesen, dengan pecahan mengikut bekas bukar dan jenis kenderaan. 150K paparan.
- MOF Pengangkutan Awam**: Data penggunaan pengangkutan awam harian daripada semua pengendali utama di seluruh Malaysia, dengan pecahan mengikut perkhidmatan. 46K paparan.

Elemen
baharu
papan
pemuka
yang
memberikan
quick view
bagi nilai
data



PORTAL DTSA

Elemen katalog data bagi menyokong papan pemuka yang dihasilkan daripada data ini





PORTAL DTSA

Elemen
baharu
OpenAPI yang
memudahkan
pengguna
untuk
menggunakan
data secara
langsung

Katalog Data | data.gov.my

Malaysia's Official Open API

developer.data.gov.my

data.gov.my API

Search API docs

Introduction

OpenAPI Documentation

Welcome to the documentation for the Open API of Malaysia's official open data portal. This comprehensive guide is designed to provide you with all the information you need to effectively utilize the Open API developed by the Malaysian government. Whether you are a developer, data scientist, or a citizen interested in accessing transparent data, this documentation will serve as your guide to leveraging the power of the Open API.

What is the Open API?

The Open API built by the Malaysian government is a RESTful API that utilizes the Django framework. This API has been developed with the objective of providing transparent data access to all citizens, with the following goals in mind:

- **Transparent Data Access:** The API provides a user-friendly way to access a wide range of data sets, promoting transparency and enabling informed decision-making.
- **Ease of Use:** The API is designed to be straightforward and easy to understand, ensuring that users can retrieve data efficiently without unnecessary complexity.
- **Diverse Data Sets:** The Open API offers access to various data, allowing users to explore and analyze different aspects of Malaysian society.

Using the AI Helper

AI Helper

1.0



PORTAL DTSA

How is ridership of public transportation services trending?

This data is intended to support good trends in public transport ridership. You can explore more granular data on the various agency dashboards.

Updated at 28 Jul 2022, 23:04

Daily Change Daily Weekly Yearly

Ridership: All Services

CAGR: +004,328
Total Ridership: +15.4%
Riders Counted: +18.0%



2022

Ridership: Rapid Rail

CAGR: +004,328
Total Ridership: +12.1%
Riders Counted: +15.2%



Ridership: Rapid Bus

CAGR: +192,328
Total Ridership: +8.8%
Riders Counted: +8.2%



Dashboard

The Indigenous Peoples

Being able to learn directly refers to the direct descendants of Peninsular Malaysian indigenous inhabitants. The Department for Islamic and Development (MAGI) is the government agency mandated to safeguard the welfare of the indigenous peoples. Accordingly, they coordinate comprehensive cooperation to engage the various indigenous villages scattered across Peninsular Malaysia. Preserved by their laws, the indigenous group pose the most business of their population: incorporating its most senior groups like Ngunis, Pesisir Malays, and Javanese and Melanese.

Updated at 28 Jul 2022, 23:04

How are the indigenous peoples distributed across Malaysia?

Updated at 28 Jul 2022, 23:04

State Indigenous Peoples (Orang Asli) are the native of Peninsular Malaysia, the natives of Sabah and Sarawak are (classified) indigenous. Furthermore, the indigenous peoples reside in Penang, Perlis, or Federal Territories.

By State: All Available

Ranking (10)

01	Malang	78,619
02	Perak	60,328
03	Selangor	30,841
04	Northern	13,461
05	Sabah	10,023



A breakdown of foreign arrivals by demographic group

This data helps facilitate various economic reforms. For example, state the entry order of foreign arrivals into the country. Conversely, there is a need to understand foreign arrivals during foreign arrivals.

Updated at 28 Jul 2022, 23:04

Daily Change Daily Weekly Yearly

Male

CAGR: +48,129
Total: 9,438,612



Female

CAGR: +38,300
Total: 1,088,888



Babies (< 2 years old)

Children (2-10 years old)

Teenagers (11-17 years old)

CAGR: +3,280
Total: 887,081



Contoh
dashboard
data

TAHUKAH ANDA?





CONTOH PENGGUNA DATA TERBUKA



Zumaidi Zainuddin · 1st
Technology | Integrity | Life
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Projek Lintasan Kota Holdings
S/B (PROJUNTAS)

Open University Malaysia



Zumaidi Zainuddin · 1st
Technology | Integrity | Life
1mo ·

Malaysia top 20 car brands in Malaysia from 2000 to 2023 based on JPJ data from data.gov.my.

Landscape mode and top 32 list are available at <https://zoomyd.xyz/cars/>





CONTOH PENGGUNA DATA TERBUKA



Zumaldi Zainuddin • 1st
Technology | Integrity | Life
1mo •

Saya buat satu utiliti web untuk paparkan semua jajaran dan lokasi stesen MRT, LRT, Monorail dan BRT (Rapid Rail KL) atas pelbagai jenis peta.

Setiap stesen atas peta ada pautan ke laman sesawang khas Maklumat Lokasi untuk melihat pilihan laluan bas Rapid KL atau laluan bas perantara MRT.

Di laman berkenaan juga ada hampir 20 fungsi GIS yang saya harapkan ada manfaatnya.

Data diambil daripada sumber terbuka kerajaan di data.gov.my dan diolah menggunakan HTML, Javascript, PHP dan data dalam format CSV di atas platform Leaflet.

Jika ada sebarang kesalahan data, sila maklumkan kepada saya.

Klik pautan ini utk tengok utiliti web berkenaan - <https://lnkd.in/gsbvyMCd>

Utiliti ini adalah salah satu utiliti web yang saya buat di <https://zoomyd.xyz/gis/>

Sebarang cadangan atau kritikan dialu-alukan. Terima kasih.

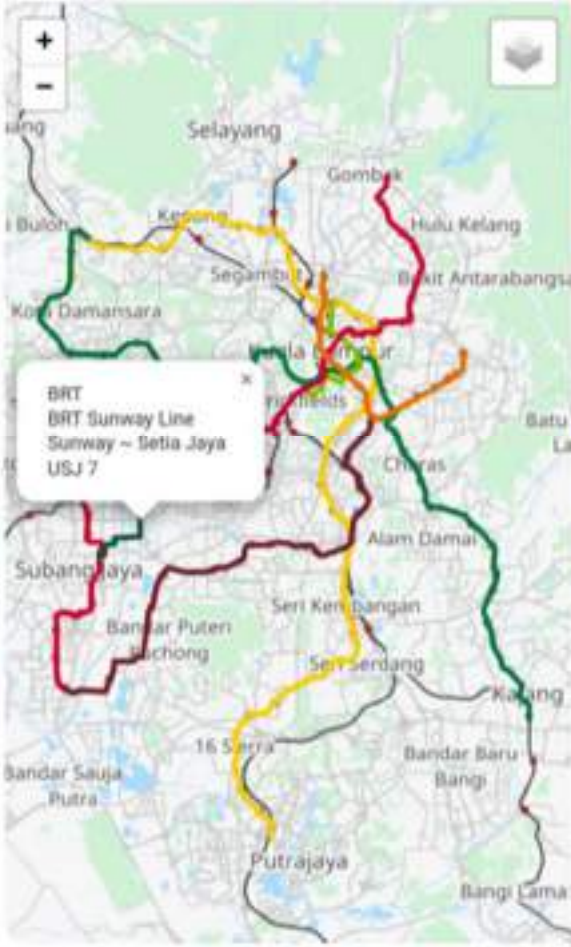
Semoga bermanfaat.

#gis
#leaflet
#rapidrail

zoomyd.xyz/gis/ujian/

+

-



BRT
BRT Sunway Line
Sunway ~ Setia Jaya
USJ 7



Peta
KUALA LUMPUR
JALAN LALUAN DAN STASI

Pengangkutan

[Lokasi Stesen Bas dan Route Bas Rapid](#)

[Lokasi Stesen dan Route Bus Feeder MRT](#)

[Lokasi stesen dan jadual serta tren Keretapi Tanah Melayu \(KTM\)](#)

[Jadual dan Lokasi Stesen Bas Rapid Radius 1km / KL, Kuantan dan Pulau Pinang SRI](#)



+4

23



CONTOH PENGGUNA DATA TERBUKA



Zumaidi Zainuddin • 1st

Technology | Integrity | Life

2mo • Edited •

Saya buatkan satu utiliti web untuk paparkan semua lokasi2 stesen KTM atas 10 jenis peta.

Setiap stesen atas peta ada pautan ke jadual keretapi sebenar daripada KTMB.

Ada juga peta yang menunjukkan lokasi2 terkini keretapi yg sedang beroperasi.

Data diambil daripada sumber terbuka kerajaan data.gov.my dan API lokasi keretapi MTREC.

Sekiranya ada maklumat yang tak keluar atau salah, berkemungkinan server mereka ada masalah.

Klik pautan ini utk tengok - <https://lnkd.in/gkbSraPT>

Semoga bermanfaat.

#gis

#map

#leaflet

#railway

zoomyd.xyz/gis/test/

- ☐ OpenStreetMap
- ☐ Waze
- ☐ Google Satellite
- ☐ Google Street
- ☐ ESRI Satellite
- ☐ Jeng_Malaya
- ☐ HERE Night
- ☐ OpenTopoMap
- ☒ OpenRailwayMap

106

1 comment • 8 reports

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CONTOH PENGGUNA DATA TERBUKA

12:52

📶 45%

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@Urban1stangys

Undergraduate student w. Urban Planning background | ❤️ Bus and trains | GIS | Analytics | Wikipedia | OSM | Penangite

📍 Pinang, Malaysia | 📅 Joined July 2024

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Urban1st | angys | i-trainhugger · 1d · Finally

📄 Ask Rapid KL @askrapidkl · 1d

Yeaayyyy Mulai 24 September 2024, perkhidmatan Laluan Percubaan Bas Perantara MRT T152 (MRT Metro Prima – Pusat Bandar Selayang) beroperasi sebagai laluan tetap !...

INFORMASI PERJALANAN
TRAVEL INFORMATION

PERKHIDMATAN LALUAN PERCUBAAN
BAS PERANTARA MRT T152
(MRT METRO PRIMA – PUSAT BANDAR SELAYANG)

Mulai 24 September 2024, perkhidmatan Laluan Perantara MRT T152 (MRT Metro Prima – Pusat Bandar Selayang) beroperasi sebagai laluan tetap !...

12:53

📶 45%

← Post

Urban1st | angys | i-trainhugger
@Urban1stangys

Follow

Thanks to [data.gov.my](#) GTFS, now we can visualise rapid transit in KL and bus routes under Rapid Bus S/B

12:13 pm · 11 Aug 24 · 10.2K Views

103 Reposts · 2 Quotes · 280 Likes

62 Bookmarks

🗨️ ↺️ ❤️ 📌 ➦

Most relevant replies

Old Central @OldCentral · 12 Aug
Replying to @Urban1stangys
Are you able to overlay population density on this to show where people live?

🗨️ ↺️ ❤️ 📌 ➦ 246

Post your reply



CONTOH PENGGUNA DATA TERBUKA



Jun Sheng Tan • 3rd+
Data Engineer at AirAsia | MSc in Data Science at Asia Pacific University of Tec...
10mo • Edited •

Exploring Insights with Transportation Data

I've recently been honing my data engineering and data analytics skills by ...more

PUBLIC TRANSPORTATION - RIDERSHIP DATA ANALYSIS

ETL Flow



Visualisation



Kumeran Sagathevan • 3rd+
Caricarz.com
10mo • Edited •

+ Follow

Population of data on the [data.gov](#) and MEVnet somehow does not reflect the actual state of matters in the country.

Was the inaccuracy on the sites a result of being rushed to keep up with the governments promise of transparency?

Having said that Malaysians need to appreciate this effort but continuing to advocate for appropriate data tabulation and accountability in order to improve public awareness.

#caricarz #EV #PLANMalaysia #MEVnet #datagov #mot #jpp
Shahrol Halmi Rafizi Ramli Tengku Zafrul Aziz
<https://lnkd.in/gxb47GdZ>



data.gov.my & MEVnet Dashboard Plagued By Inaccurate Data? Was It Rushed? - EV - Caricarz
caricarz.com



PROMOSI DTSA



Syaful Mohamed • 3rd+
Passionate on Innovation | Exploring the Boundaries of AI & Ent...
11mo • 🌐

+ Follow

Did you know about [Data.Gov.My](#)? It's like a treasure trove of open-source data provided by the Malaysian government! 🇲🇾 ...more

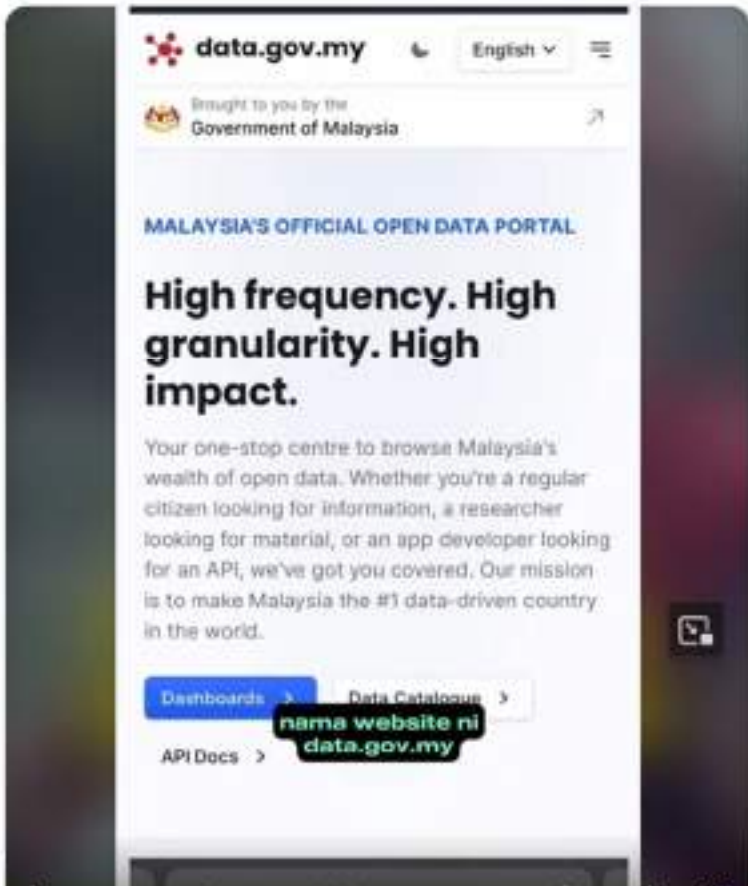




Syaful Mohamed • 3rd+
Passionate on Innovation | Exploring the Boundaries of AI & Ent...
11mo • 🌐

+ Follow

Did you know about [Data.Gov.My](#)? It's like a treasure trove of open-source data provided by the Malaysian government! 🇲🇾 ...more





PENGHARGAAN



Sanbron Liong • 3rd+
Senior UI/UX Designer | Digital Creator
Bmo •

+ Follow ...

I've posted a thread on Twitter/X this Monday and it's blowing up!
3 days later, it has garnered over 640+ likes, 324+ repost and 370+ saves!

If you're not on Twitter, you can read this article here

OR, you can join the conversation in original Twitter thread: <https://lnkd.in/gt3fRq8h>

#govtech #uiux #design



The top 5 design upgrades for Malaysia's Official Open Data Portal

Sanbron Liong on LinkedIn • 3 min read

3 months ago, Malaysia's new open-data portal, <http://data.gov.my> was released to the publ...

The top 5 design upgrades for Malaysia's Official Open Data Portal



Sanbron Liong
Senior UI/UX Designer | Digital Creator



December 21, 2023

3 months ago, Malaysia's new open-data portal, <http://data.gov.my> was released to the public.

Since then, many have built projects using API and datasets from the site.

In this article, I'll walk through the top 5 design upgrades that went into creating this portal.

Reflecting on the past open-data portals





PENGHARGAAN



Best Government Website Designs or Civic Design & UX Practices

Test practices and essential features that contribute to exceptional government website designs, ensuring

zensite.co

<https://zensite.co/blog/best-government-website-designs-or-civic-design-ux-practices>

8:39 min



Showcasing Top Government Website Designs

As we explore the best practices and essential features for government website design, it's important to showcase top government website designs that excel in user experience and design elements. These examples can serve as inspiration for other government websites, allowing them to learn from the best and improve their own designs. Some of the exemplary government websites include:

- The White House
- Tourism Thailand
- Data Gov MY
- Singapore Ministry of Manpower



CABARAN DTSA

UtamaPapan PemukaKatalog DataDokumentasi APikomunitiFAQPortal Lama

Malay

Beritahu kami data apa yang anda perlukan

Kami sentiasa komited untuk memenuhi keperluan data pengguna portal kami.
Gunakan halaman ini untuk meminta data dan mendapatkan kemaskini yang telus pada tiket anda!

Mohon data

Tiket Permohonan data

Carian berdasarkan tajuk atau ID tiket 'id'

Semua TiketDalam SemakanData DiberikanDitolak

ID Tiket	Status	Tajuk dataset	Penerangan dataset	Pemilik data	Tarikh dicipta	
73	Ditolak	Isipadu dan Ketajuan Trafik	Isipadu trafik dan purata ketajuan koridor trafik utama di p...	MDT	12 Dec 2025	
72	Ditolak	Pendaftaran Kenderaan	Di Malaysia, sesebuah kenderaan mesti didaftarkan denga...	MDT	09 Dec 2025	
71	Dalam Semakan	Tinjauan Kesihatan & Morbiditi ...	Kamus Data NMHS	KKM	03 Dec 2025	Follow
70	Data Diberikan	Tinjauan Pendapatan, Perbelan...	Mikroduta Tinjauan Pendapatan, Perbelanjaan dan Kemud...	KE	03 Dec 2025	
69	Dalam Semakan	My area	Meminta data terkini di IP145-Batu dan N114-Naning, Muar, ...	KE	02 Dec 2025	Follow
68	Ditolak	Faktor Akademik dan Tingkah ...	1. Data Akademik Komponen ini merekodkan kemajuan da...	MOHE	01 Dec 2025	
67	Ditolak	Pendaftaran kenderaan elektrik...	data bulanan kenderaan elektrik yang didaftarkan dari tah...	MDT	26 Nov 2025	
66	Dalam Semakan	Kiraan Lalu Lintas Kereta di Mal...	Kami ingin meminta data kiraan trafik untuk jalan-jalan uta...	KKR	26 Nov 2025	Follow



TERIMA KASIH

Maklumat yang dipaparkan dalam slaid ini adalah hak milik Jabatan Digital Negara (JDN) Kementerian Digital.

Sebarang salinan hendaklah mendapat persetujuan dan kelulusan JDN.



<https://www.jdn.gov.my>



/JabatanDigitalNegara/



/JDigitalNegara



/jabatandigitalnegara/



@JABATANDIGITALNEGARA