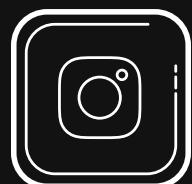


GOOGLE DATA STUDIO

Covid-19 di Indonesia



Halo!! saya Chilmiatus Saidah, biasa di panggil mia
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@chilmia_--



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STEP 1

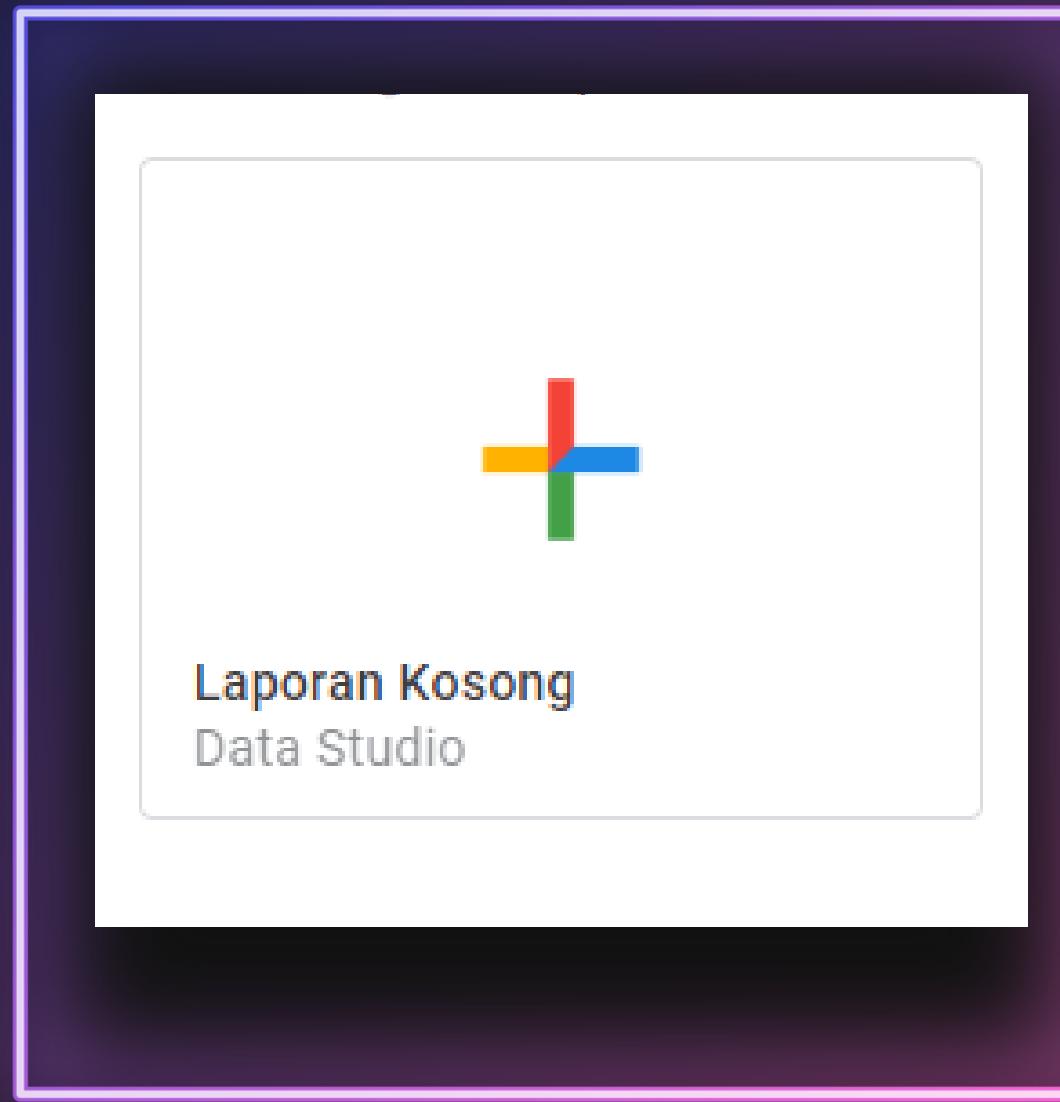
pertama-tama akses google data studio melalui : <https://datastudio.google.com/>

The screenshot shows the Google Data Studio homepage. At the top, there's a navigation bar with icons for back, forward, home, and search, followed by the URL 'datastudio.google.com/u/0/'. Below the URL is the 'Data Studio' logo and a search bar labeled 'Search Data Studio'. To the right of the search bar are three icons: a question mark, a gear, and a user profile. A horizontal menu bar below the search bar includes 'Terbaru' (highlighted in blue), 'Laporan' (selected), 'Sumber data', and 'Penjelajah'. On the left side, there's a sidebar with a 'Buat' button (Create) and a list of options: 'Terbaru' (selected), 'Dibagikan kepada saya', 'Milik saya', 'Sampah', and 'Template'. The main content area features a 'Mulai dengan Template' section with four cards: 'Laporan Kosong Data Studio' (empty report template), 'Laporan Tutorial Data Studio' (tutorial report template), 'Pemasaran Acme Google Analytics' (marketing report for Acme), and 'Search Console Report Search Console' (Search Console report). Below these cards are filters for 'Nama', 'Milik siapa saja' (owner), and 'Terakhir saya buka' (last opened).

setelah masuk ke Google Data Studio login menggunakan akun pribadi

STEP 2

kemudian klik tambah laporan kosong



maka akan muncul menu seperti berikut

A screenshot of the "Tambahkan data ke laporan" (Add data to report) dialog in Google Data Studio. The dialog shows various data source options: Google Analytics, Google Ads, Google Spreadsheet, BigQuery, AppSheet, and Upload File. The "Upload File" option is highlighted with a blue border, indicating it is the next step to be selected.

selanjutnya klik 'upload file' untuk memasukkan data file yang akan kita visualisasikan

STEP 3

apabila data sudah berhasil terupload,kemudian klik 'tambahkan'

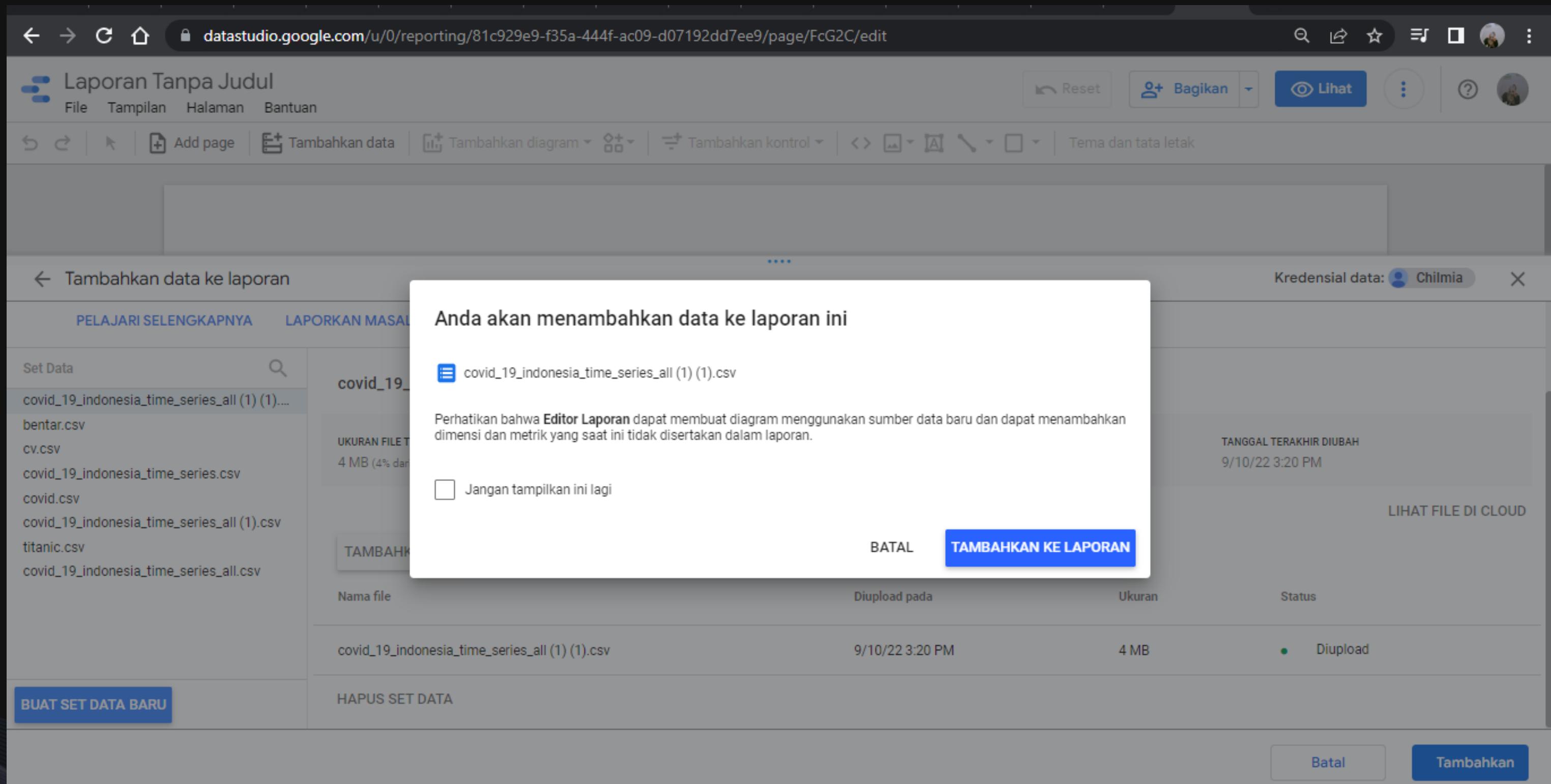
The screenshot shows the Google Data Studio interface with the following details:

- Header:** The URL is datastudio.google.com/u/0/reporting/81c929e9-f35a-444f-ac09-d07192dd7ee9/page/FcG2C/edit. The title is "Laporan Tanpa Judul".
- Toolbar:** Includes "Reset", "Bagikan", "Lihat", and other standard editing tools.
- Section:** "Tambahkan data ke laporan" (Add data to report).
- Left Sidebar:** "Set Data" section with a search bar. Files listed include: covid_19_indonesia_time_series_all (1) (1).csv, bentar.csv, cv.csv, covid_19_indonesia_time_series.csv, covid.csv, covid_19_indonesia_time_series_all (1).csv, titanic.csv, and covid_19_indonesia_time_series_all.csv.
- Table:** A table showing the uploaded file details:

UKURAN FILE TOTAL	JUMLAH FILE	TANGGAL PEMBUATAN	TANGGAL TERAKHIR DIUBAH
4 MB (4% dari 100 MB digunakan)	1	9/10/22 3:20 PM	9/10/22 3:20 PM
- Buttons:** "LIHAT FILE DI CLOUD", "TAMBAHKAN FILE", "Nama file", "Diupload pada", "Ukuran", "Status", "covid_19_indonesia_time_series_all (1) (1).csv", "9/10/22 3:20 PM", "4 MB", "Diupload".
- Bottom Buttons:** "BUAT SET DATA BARU", "HAPUS SET DATA", "Batal", "Tambahkan".

STEP 4

klik 'Tambahkan ke Laporan'



STEP 5

setelah itu akan muncul tampilan seperti berikut

The screenshot shows the Google Data Studio interface. At the top, the URL is datastudio.google.com/u/0/reporting/81c929e9-f35a-444f-ac09-d07192dd7ee9/page/FcG2C/edit. The title of the report is "chilmia_Data Visualisasi". The menu bar includes File, Edit, Tampilan, Sisipkan, Halaman, Atur, Aset, and Bantuan. The toolbar below the menu has buttons for Add page, Tambahkan data, Tambahkan diagram, Tambahkan kontrol, and Tema dan tata letak. On the left, there is a data table titled "Location ISO Code" with the following data:

Location ISO Code	Record Count
1. ID-JI	549
2. ID-JK	496
3. IDN	495
4. ID-JB	495
5. ID-RI	495
6. ID-BT	491
7. ID-JT	489
8. ID-SG	487
9. IN-RA	486

At the bottom of the table, it says "1 - 34 / 34". To the right of the table is a canvas area with a bar chart and some decorative icons. Below the canvas, there is a text box with the message: "Mari kita mulai" and "Tarik kolom dari Panel Data ke kanvas untuk menambahkan diagram baru atau pilih komponen di kanvas laporan untuk mengeditnya." On the far right, there is a sidebar titled "Data" with a search bar and a list of data fields:

- Telusuri
- covid_19_indonesia_time_se...
- 123 Area (km2)
- RBC Case Fatality Rate
- RBC Case Recovered Rate
- RBC City or Regency
- RBC Continent
- Country
- Date
- RBC Growth Factor of New Cases
- RBC Growth Factor of New Deaths
- RBC Hidden
- RBC Island
- RBC Item
- RBC Kind
- 123 Latitude
- RBC Location
- Location ISO Code
- RBC Location Level
- 123 Longitude
- RBC Name
- 123 New Active Cases
- + Tambahkan Data

STEP 6

Selanjutnya memasukkan data Location ke menu dimensi dan juga memasukkan data New Cases pada menu matrik

The screenshot shows a Google Data Studio report titled "chilmia_Data Visualisasi". On the left, there is a matrix visualization with "Location" in the columns and "New Cases" as the metric. The data includes:

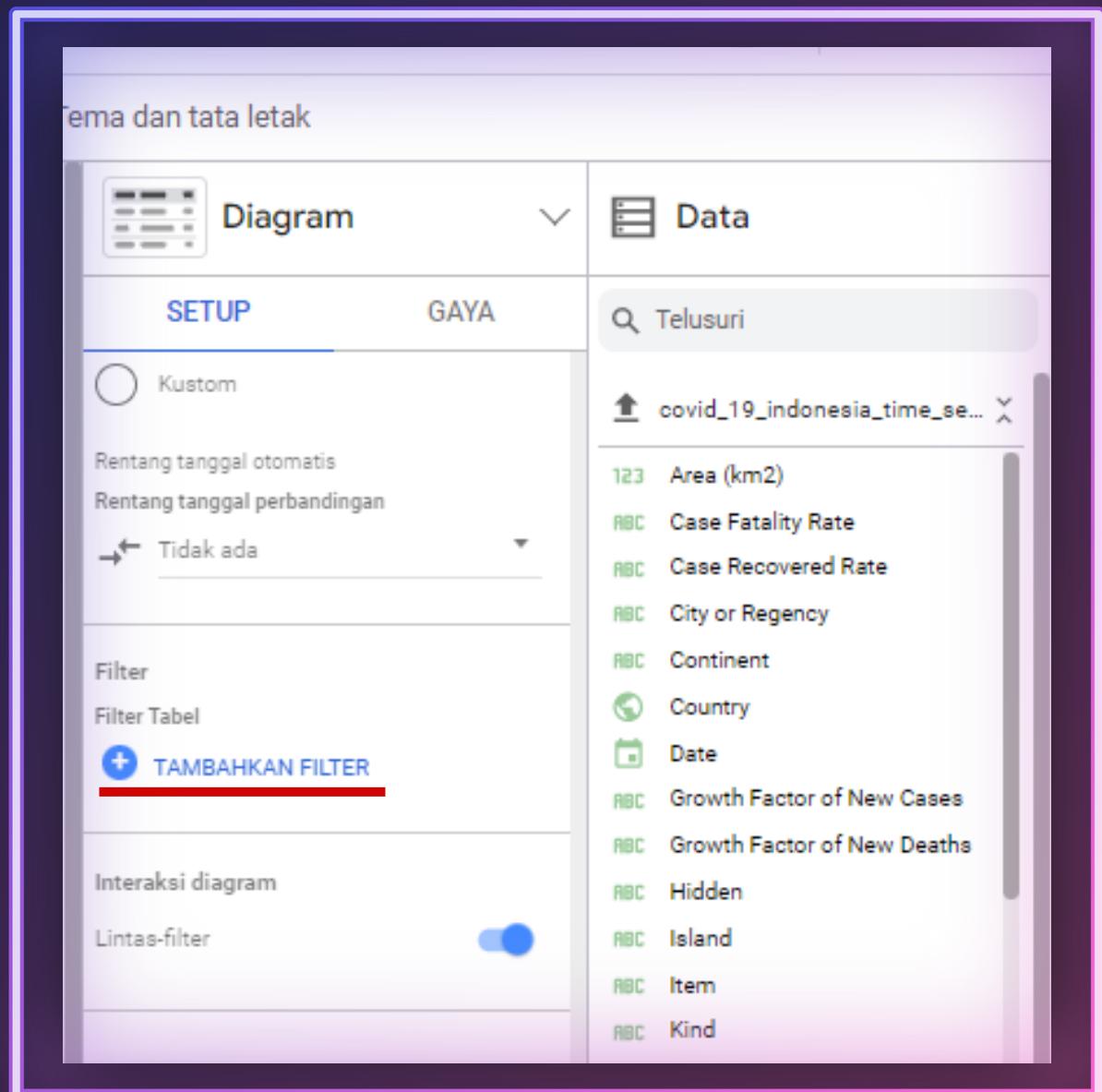
Location	New Cases
Indonesia	2.455.912
DKI Jakarta	636.346
Jawa Barat	440.379
Jawa Tengah	285.348
Jawa Timur	189.705
Kalimantan Timur	83.762
Riau	74.899
Daerah Istimewa Yogyakarta	72.560
Golongan Salatan	67.290

The right side of the screen shows the "Diagram" and "Data" panels of the sidebar. The "Dimensi" section has "Location" selected, and the "Metrik" section has "SUM New Cases" selected. Both of these sections are highlighted with red boxes.

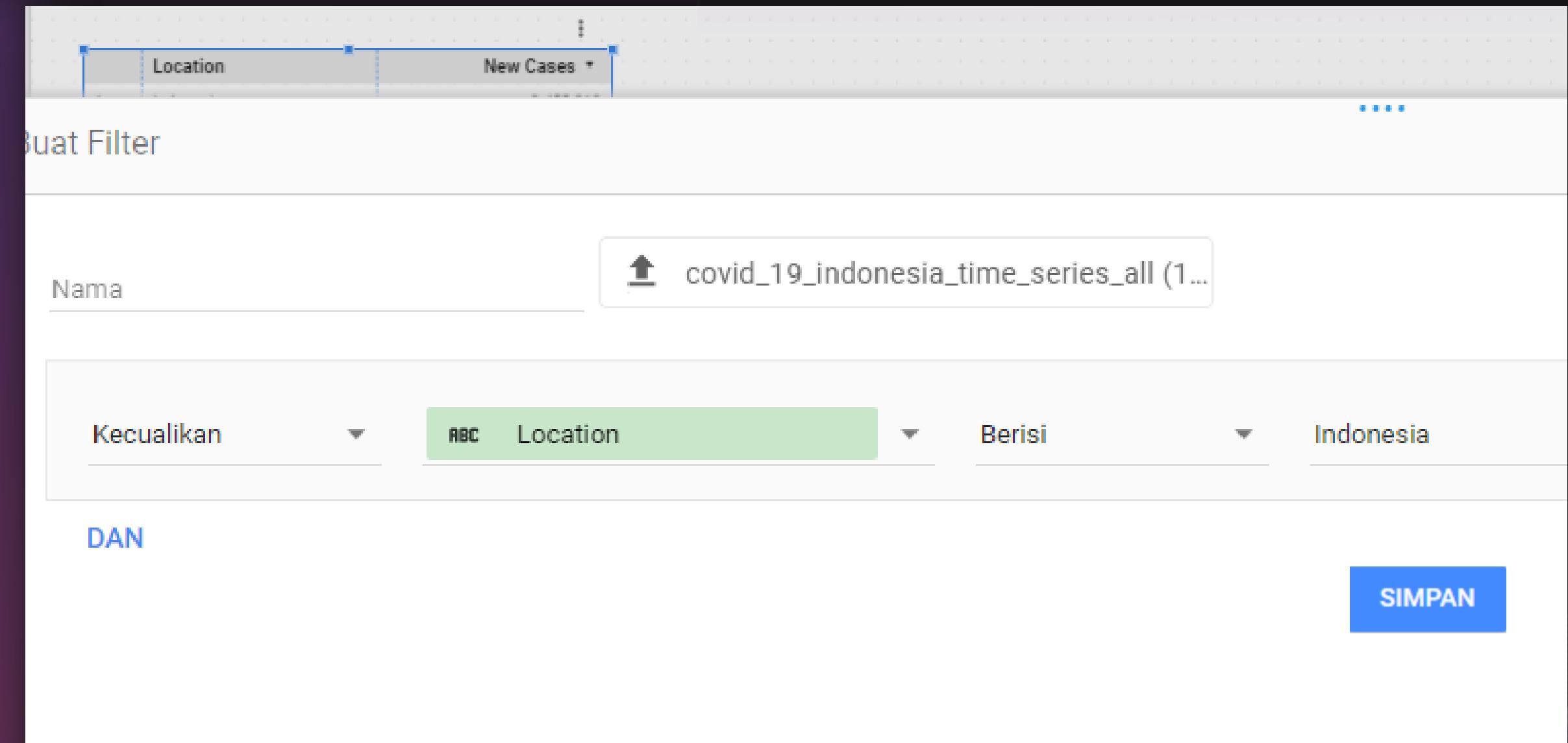
STEP 7



Menghapus data Indonesia
dengan cara mencari menu filter.
lalu klik tambahkan filter



Isikan data seperti berikut pada menu filter.
lalu klik simpan



STEP 8



Setelah tersimpan, maka data Indonesia akan terhapus

The screenshot shows a Google Data Studio dashboard titled "chilmia_Data Visualisasi". The main area displays a table titled "New Cases" with the following data:

Location	New Cases
DKI Jakarta	636.346
Jawa Barat	440.379
Jawa Tengah	285.348
Jawa Timur	189.705
Kalimantan Timur	83.762
Riau	74.899
Daerah Istimewa Yogyakarta	72.560
Sulawesi Selatan	67.280
Banten	61.689
Sumatera Barat	55.675
Bali	54.079
Sumatera Utara	38.040
Kalimantan Selatan	37.176
Sumatera Selatan	31.147

The table has 14 rows, with the last row being a summary. The footer of the table shows "1 - 33 / 33".

The right sidebar contains the "Diagram" and "Data" panels. The "Diagram" panel includes sections for "SETUP" and "GAYA", with "Rentang tanggal perbandingan" set to "Tidak ada". The "Data" panel lists various data sources and metrics, such as "covid_19_indonesia_time_se...", "Area (km2)", "Case Fatality Rate", etc.

STEP 9



Ubah nama New Cases pada menu matrik dengan nama Total Cases

The screenshot shows a Google Data Studio report titled "chilmia_Data Visualisasi". On the left, there is a matrix visualization with "Location" on the rows and "Total Cases" on the columns. The data table is as follows:

	Location	Total Cases
1.	DKI Jakarta	636.346
2.	Jawa Barat	440.379
3.	Jawa Tengah	285.348
4.	Jawa Timur	189.705
5.	Kalimantan Timur	83.762
6.	Riau	74.899
7.	Daerah Istimewa Yogyakarta	72.560
8.	Sulawesi Selatan	67.280
9.	Banten	61.689
10.	Sumatera Barat	55.675
11.	Bali	54.079
12.	Sumatera Utara	38.040
13.	Kalimantan Selatan	37.176
14.	Sumatera Selatan	31.147

The matrix configuration panel on the right shows the following settings:

- Nama:** Total Cases
- Kolom sumber:** New Cases
- Agregasi:** Total (selected)
- Jenis:** Angka
- Penghitungan perbandingan:** Tidak ada
- Penghitungan yang berjalan:** Tidak ada

The Data pane on the right lists various data sources and dimensions, including "covid_19_indonesia_time_se..." and "Area (km2)".

STEP 10

ubah tabel ke dalam bentuk maps
dengan cara klik bagian diagram
lalu pilih peta bidang

Setelah tabel berubah menjadi gambar dibawah, selanjutnya
kita ubah pada menu lokasi negara menjadi provinsi

Tabel

Data

Telusuri

covid_19_indonesia_time_se...

- 123 Area (km2)
- RBC Case Fatality Rate
- RBC Case Recovered Rate
- RBC City or Regency
- RBC Continent
- Country
- Date
- RBC Growth Factor of New Cases
- RBC Growth Factor of New Deaths
- RBC Hidden
- Island
- Item
- RBC Kind
- 123 Latitude

SETUP GAYA

GABUNGKAN DATA

Dimensi Rentang Tanggal

Date

Dimensi

chilmia_Data Visualisasi

File Edit Tampilan Sisipkan Halaman Atur Aset Bantuan

← → ↕ Add page Tambahkan data Tambahkan diagram Tambahkan kontrol Tema dan tata let

Google Maps

Record Count 15.788

Pintasan keyboard Data peta ©2022 Google Syarat Penggunaan

Dimensi Rentang Tanggal

Date

Kolom

Lokasi

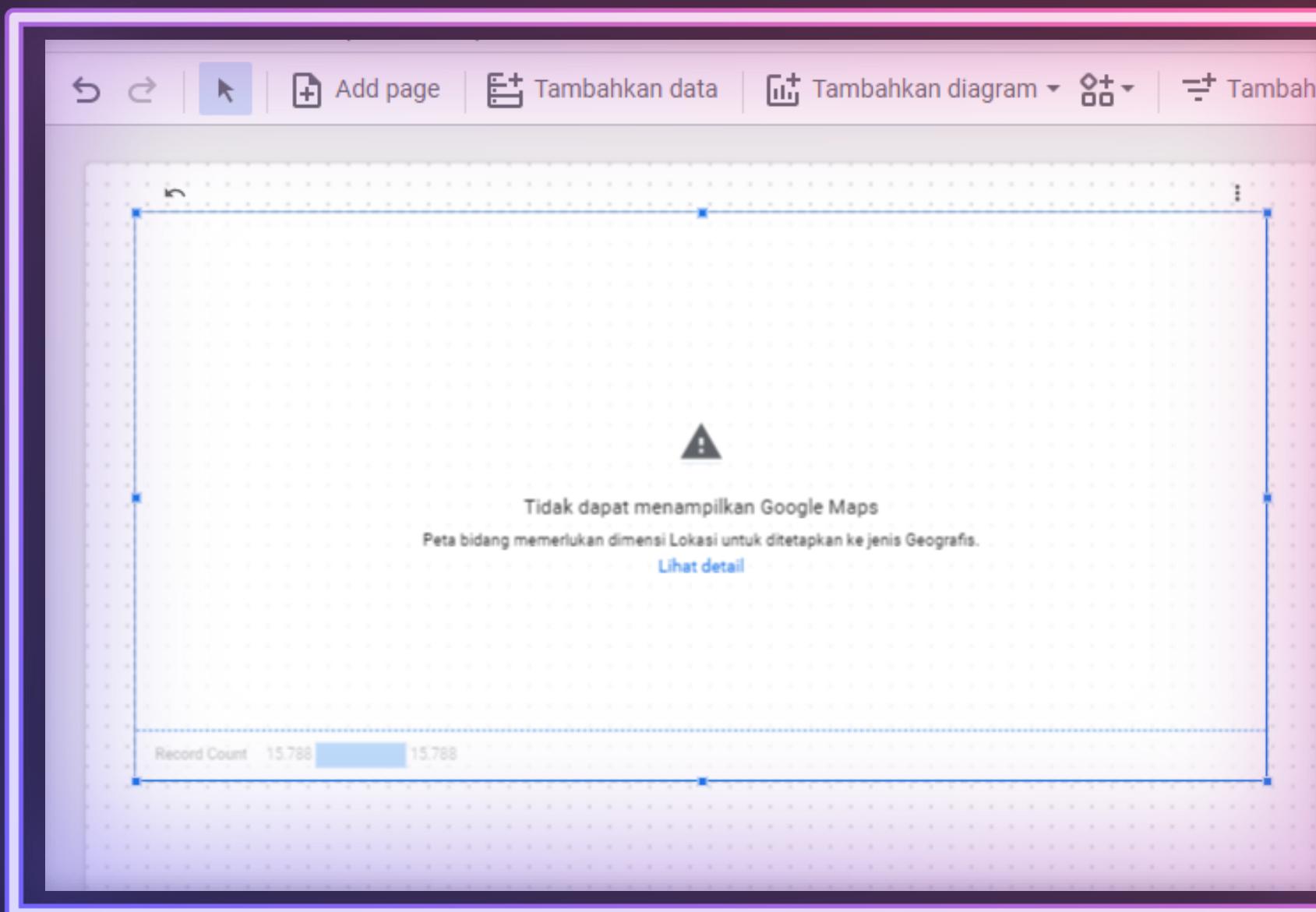
Country

Tooltip

Tambahkan dimensi

STEP 11

Apabila terjadi error seperti dibawah



This screenshot shows the "Sumber data" (Source Data) panel from a data visualization tool like Tableau. The panel includes a "Diagram" tab, a "SETUP" tab, and a "GAYA" tab. On the right, there's a "Kolom" (Column) list with various data types: Numerik, Teks, Tanggal & Waktu, Boolean, Geografis, Mata Uang, and URL. A specific row for "Provinsi" is highlighted in green and set to "Geografis". To the left of the column list, a tooltip provides information about location dimensions: "Tidak dapat menampilkan Google Maps" and "Peta bidang memerlukan dimensi Lokasi untuk ditetapkan ke jenis Geografis.", with a "Lihat detail" link. The main workspace shows a single data source named "covid_19_indonesia_time_se...".

Maka untuk mengatasinya yaitu mengubah tipe data Provinsi dari teks menjadi Geografis di menu Sumber Data

STEP 12

Jika sudah tampilan akan seperti ini

The screenshot shows a data visualization interface titled "chilmia_Data Visualisasi". On the left, there is a map of Southeast Asia with labels for Thailand, Malaysia, Singapore, Indonesia, and various islands. Below the map, a status bar displays "Record Count 457" and "549". The main workspace has a toolbar at the top with icons for "Reset", "Bagikan", "Lihat", and other controls. To the right of the map is a sidebar divided into several sections:

- Diagram**: A tab labeled "SETUP" is selected. It includes a search bar for "Telusuri" and a list of items:
 - covid_19_indonesia_time_se...
 - 123 Area (km2)
 - GABUNGKAN DATA
 - Dimensi Rentang Tanggal
 - Date
- Data**: A tab labeled "GAYA" is selected. It includes a search bar for "Telusuri" and a list of items:
 - Kolom
 - Lokasi
 - Province
 - Tooltip
 - Tambahkan dimensi
 - Metrik warna
 - AUT Record Count
- Kolom**: A section for defining columns, currently showing "Province".
- Lokasi**: A section for defining locations, currently showing "Province".
- Kolom diagram**: A section for defining diagram columns, currently showing "Province".
- Tooltip**: A section for defining tooltips, currently showing "Province".
- Metric**: A section for defining metrics, currently showing "123 Total Cases".
- SUM**: A section for defining summary metrics, currently showing "123 Total Cases".
- Grup default**: A section for defining default groups, currently showing "Area (km2)".
- Filter**: A section for defining filters, currently showing "Case Fatality Rate".
- Filter**: A second section for defining filters, currently showing "Case Recovered Rate".
- Buat kolom**: A button for creating new columns.

selanjutnya pada menu matriks warna ganti Record Count menjadi New Cases

STEP 13



Kita juga dapat mengubah tema, gaya dan juga warna pada map yang kita buat

The screenshot shows a data visualization interface with a map of Indonesia on the left. The map uses a color gradient to represent data, with labels for countries like Malaysia, Singapore, and Thailand, and bodies of water like the Laut Sulawesi, Laut Jawa, Laut Banda, Laut Timor, and Laut Arafure. The interface includes a toolbar at the top with buttons for File, Edit, Tampilan, Sisipkan, Halaman, Atur, Aset, Bantuan, Add page, Tambahkan data, Tambahkan diagram, Tambahkan kontrol, Tema dan tata letak, and a sharing button. To the right is a sidebar titled "Diagram" with tabs for "SETUP" and "GAYA". The "GAYA" tab is active, showing sections for "Jenis Lapisan" (Area (km2), Case Fatality Rate, Case Recovered Rate, City or Regency, Continent, Country, Date, Growth Factor of New Cases, Growth Factor of New Deaths, Hidden, Island, Item, Kind, Latitude, Location, Location ISO Code, Location Level), "Lapisan Area Bidang" (100%), "Warna" (color palette), and "Kontrol Peta" (map control icons). A search bar at the top of the sidebar says "Telusuri" and a list of items under "covid_19_indonesia_time_se..." includes Area (km2), Case Fatality Rate, Case Recovered Rate, City or Regency, Continent, Country, Date, Growth Factor of New Cases, Growth Factor of New Deaths, Hidden, Island, Item, Kind, Latitude, Location, Location ISO Code, Location Level, and Tambahan Data.



Kita juga bisa membuat diagram lainnya

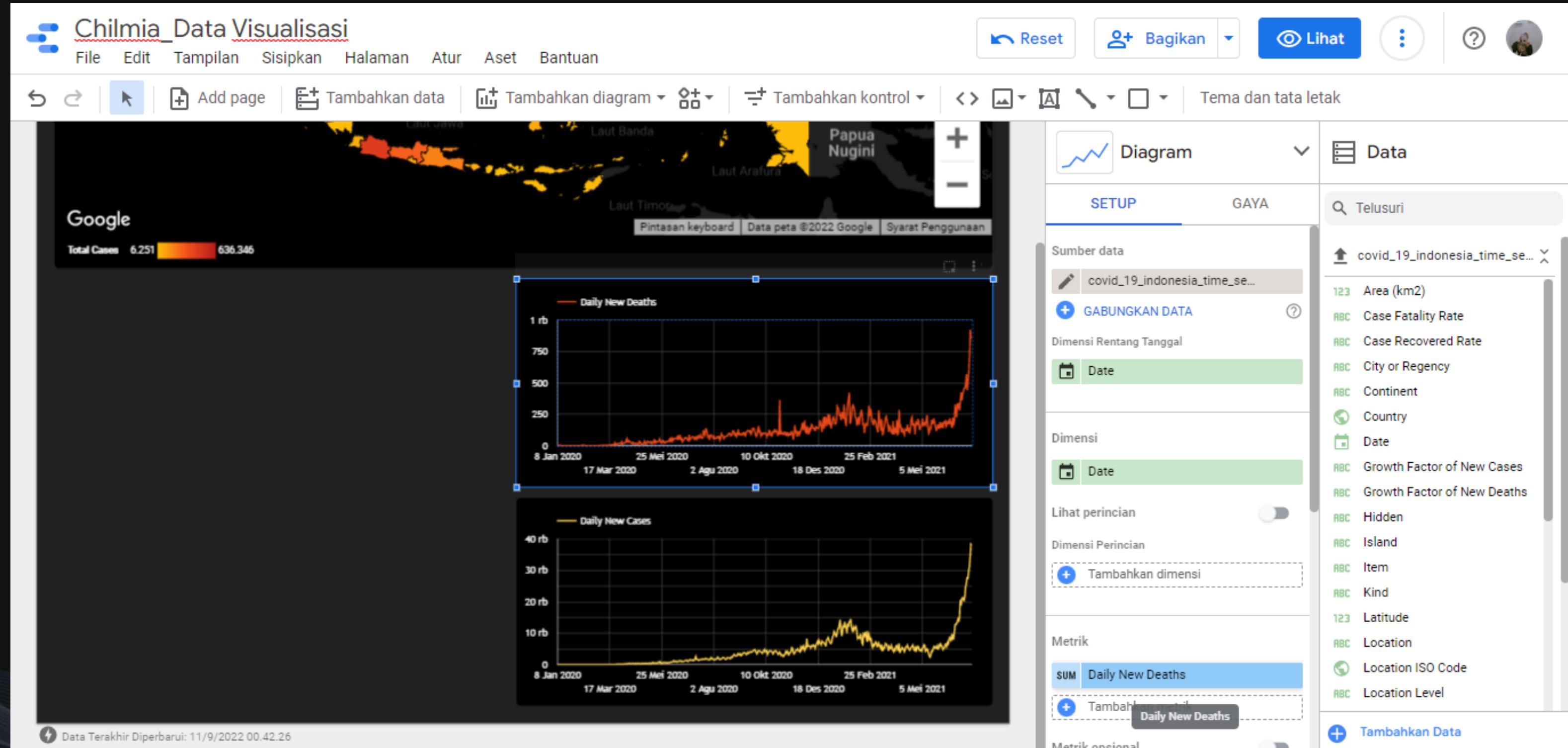
The screenshot shows the Google Data Studio interface. On the left, there is a map of Indonesia with a color-coded legend for 'New Cases' ranging from 6.251 (yellow) to 636.346 (red). The map also displays labels for 'Malaysia', 'Laut Jawa', and 'Pintasan keyboard'. Below the map, there is a 'Google' watermark and a 'New Cases' count of 6.251. A tooltip 'Diagram deret waktu' is visible over one of the chart icons in the sidebar.

The interface includes a top navigation bar with links like 'File', 'Edit', 'Tampilan', 'Sisipkan', 'Halaman', 'Atur', 'Aset', 'Bantuan', and social sharing buttons. Below the navigation is a toolbar with icons for 'Add page', 'Tambahkan diagram', 'Tambahkan kontrol', and 'Tema dan tata letak'.

The main workspace contains a sidebar on the right with sections for 'Diagram' (Setup, Gaya), 'Data' (Sumber data, Dimensi Rentang Tanggal, Kolumn, Lokasi, Tooltip, Metrik warna), and 'Data' (Sumber data, Dimensi Rentang Tanggal, Kolumn, Lokasi, Tooltip, Metrik warna). The 'Diagram' section is currently active, showing 'covid_19_indonesia_time_se...' as the data source, 'Date' as the dimension, and 'Province' as the column.

STEP 15

Selanjutnya kita dapat membuat diagram Daily New Cases dan Daily New Deaths menggunakan diagram rangkaian waktu



STEP 16

kita juga dapat menambahkan informasi Total Confirmed Cases dan Total Deaths

Screenshot of Google Data Studio interface showing a dashboard for COVID-19 in Indonesia.

The dashboard includes:

- A map of Indonesia and Papua Nugini with a color scale from yellow to red representing total cases.
- Google search results for "Total Cases" showing 6.251 and 636.346.
- Two line charts showing "Daily New Deaths" and "Daily New Cases" from January 2020 to May 2021. Both charts show a significant increase in late 2020 and early 2021.
- A sidebar with a "Mari kita mulai" section containing instructions to drag data columns from the data panel to the canvas.
- A data panel on the right listing various data types such as Area (km2), Case Fatality Rate, and Date.
- A "Tambahkan Data" button at the bottom right.

Header: Chilmia_Data Visualisasi

Toolbar: File, Edit, Tampilan, Sisipkan, Halaman, Atur, Aset, Bantuan; Reset, Bagikan, Lihat, More, Help.

Panel: Data, Telusuri, covid_19_indonesia_time_se...

Bottom: Data Terakhir Diperbarui: 11/9/2022 00.42.26

STEP 17

Terakhir kita dapat menambahkan diagram batang untuk melihat urutan provinsi dengan jumlah kasus terbanyak

The screenshot shows a Google Data Studio report titled "chilmia_Data Visualisasi". The report includes a map of Indonesia with a legend for total cases, two large numerical cards for "Total Confirmed Cases" (696.045.091) and "Total Deaths" (20.254.711), and two line charts showing "Daily New Deaths" and "Daily New Cases" from January 2020 to May 2021. A bar chart at the bottom lists provinces by total cases. The right side features a sidebar with a "Data" section containing a search bar and a list of data fields.

Data

Telusuri

- RBC Growth Factor of New Cases
- RBC Growth Factor of New Deaths
- RBC Hidden
- RBC Island
- RBC Item
- RBC Kind
- 123 Latitude
- RBC Location
- Location ISO Code
- RBC Location Level
- 123 Longitude
- RBC Name
- 123 New Active Cases
- 123 New Cases
- 123 New Cases per Million
- 123 New Deaths
- 123 New Deaths per Million
- Tambahkan kolom

Mari kita mulai

Tarik kolom dari Panel Data ke kanvas untuk menambahkan diagram baru atau pilih komponen di kanvas laporan untuk mengeditnya.

Total Cases 6.251 636.346

Total Confirmed Cases 696.045.091

Total Deaths 20.254.711

DKI Jakarta

Jawa Barat

Jawa Tengah

Jawa Timur

Kalimantan

Riau

Daerah Istimewa Yogyakarta

Banten

Sumatera Barat

0 100 rb 200 rb 300 rb 400 rb 500 rb 600 rb 700 rb

8 Jan 2020 25 Mei 2020 2 Agu 2020 10 Okt 2020 25 Feb 2021 5 Mei 2021

1 rb 750 500 250 0

Daily New Deaths

8 Jan 2020 25 Mei 2020 2 Agu 2020 10 Okt 2020 25 Feb 2021 5 Mei 2021

40 rb 30 rb 20 rb 10 rb 0

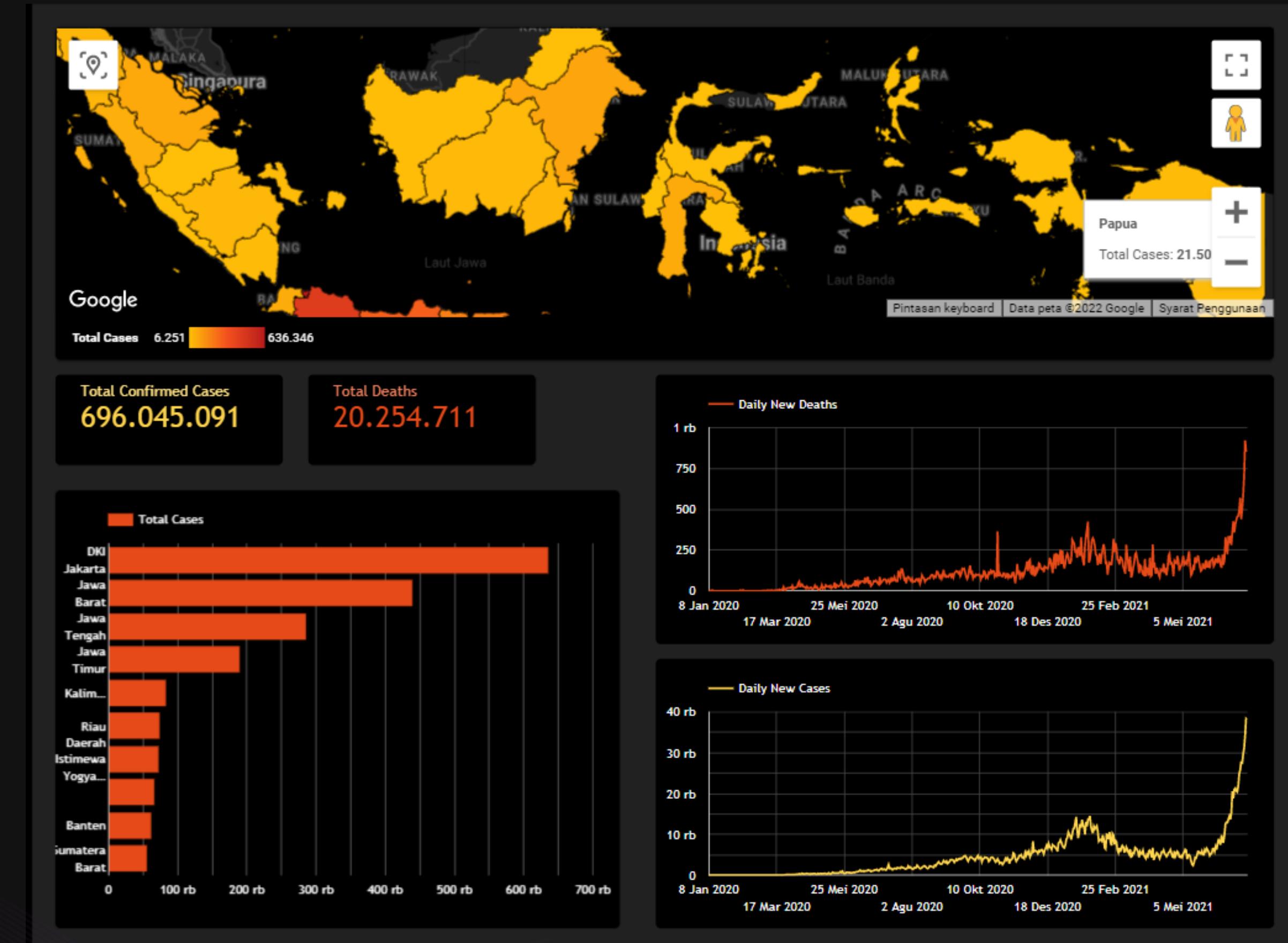
Daily New Cases

8 Jan 2020 25 Mei 2020 2 Agu 2020 10 Okt 2020 25 Feb 2021 5 Mei 2021

Data Terakhir Dinerhanui: 11/9/2022 00:52:56

STEP 18

Berikut tampilan dari Data Visualisasi COVID-19 di Indonesia





REFERENSI

- Video Youtube : https://www.youtube.com/watch?v=Nq0MJ1pFl_A
 - Dataset : <https://www.kaggle.com/hendratno/covid19-indonesiam>
 - Link Google Data Studio :
<https://datastudio.google.com/reporting/81c929e9-f35a-444f-ac09-d07192dd7ee9>
- 