



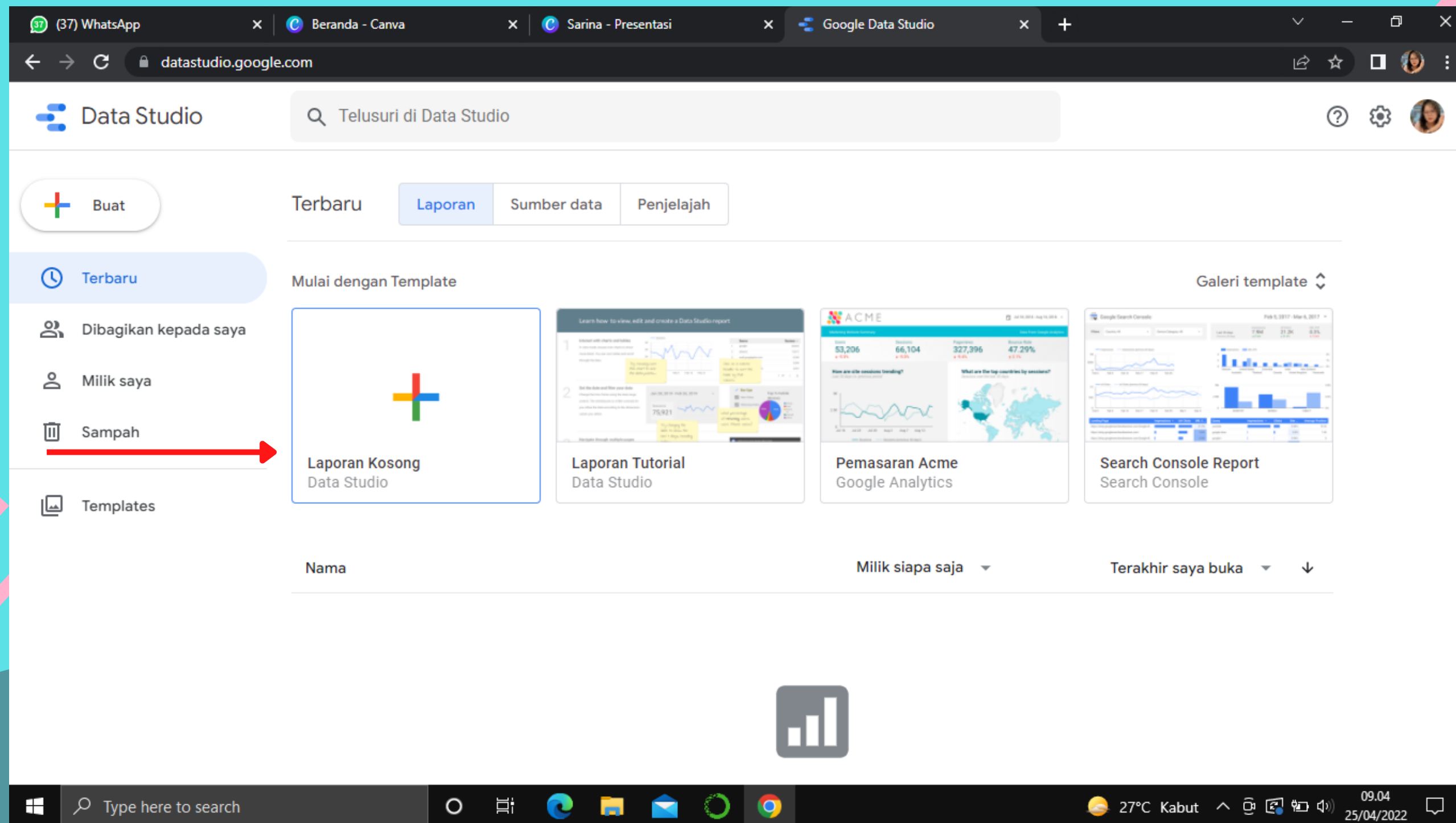
# **Data Visualization using Google Data studio**

**By sarina  
JumaTec Class**



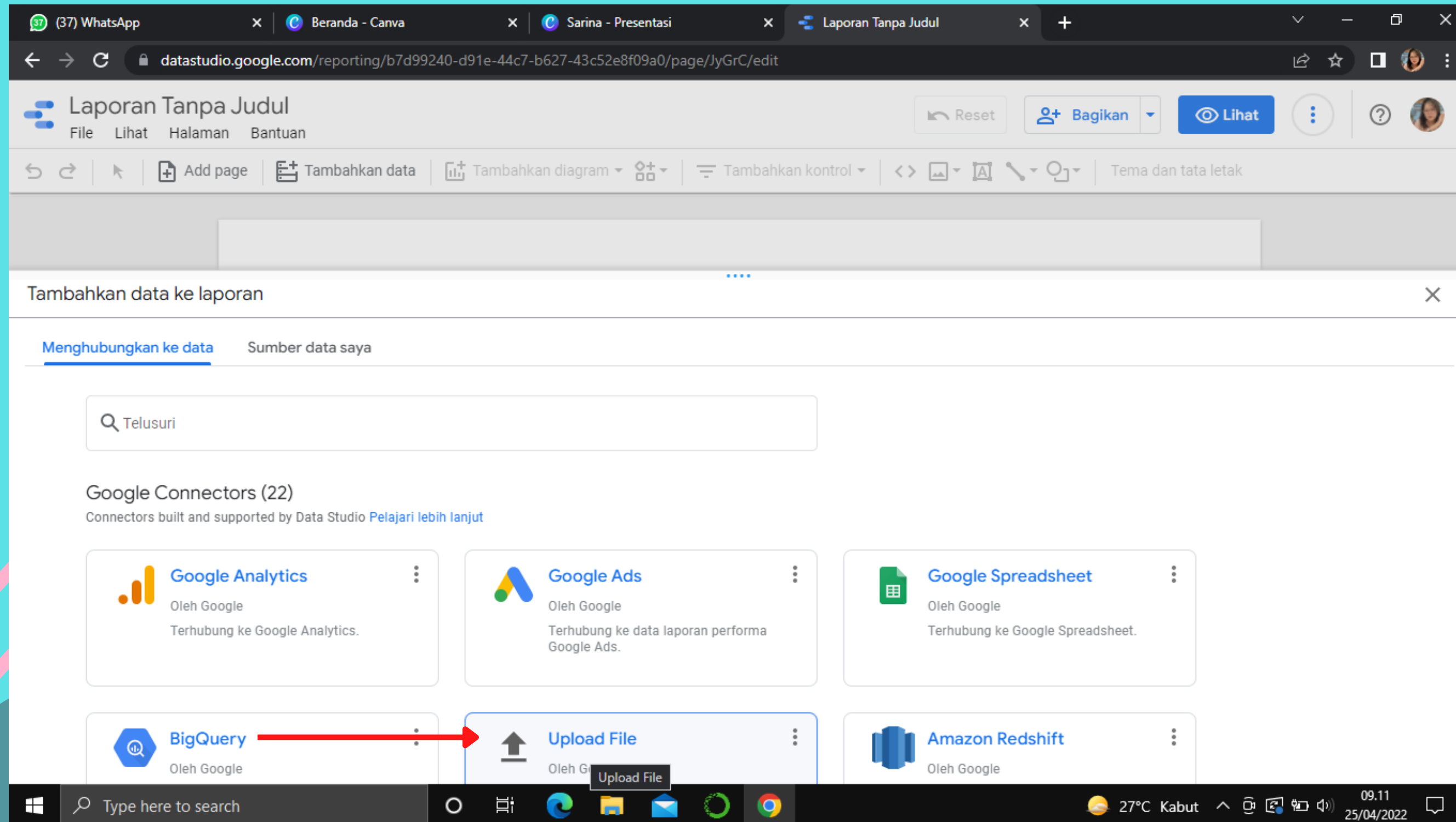
# Step 1

Akses digoogle ketik "datastudio.google.com" dan Login menggunakan akun google anda,lalu klik Laporan Kosong .



## Step 2

Setelah muncul tampilan seperti dibawah ini,Tambahkan data yang anda miliki dan klik Upload File



# Step 3

Jika sudah di upload, lalu klik Tambahkan

The screenshot shows the Data Studio interface with the 'Tambahkan data ke laporan' (Add data to report) dialog open. The dialog displays details for a CSV file named 'covid\_19\_indonesia\_time\_series\_all (1).csv'. The file size is 5 MB (6% of 100 MB used), and it contains 1 file. The upload status is 'Diupload' (Uploaded). A red arrow points to the 'Tambahkan' (Add) button at the bottom right of the dialog.

**Set Data**

covid\_19\_indonesia\_time\_series\_all (1).csv

**covid\_19\_indonesia\_time\_series\_all (1).csv**

UKURAN FILE TOTAL	JUMLAH FILE	TANGGAL PEMBUATAN	TANGGAL TERAKHIR DIUBAH
5 MB (6% dari 100 MB digunakan)	1	4/25/22 9:40 AM	4/25/22 9:41 AM

[LIHAT FILE DI CLOUD](#)

**TAMBAHKAN FILE** File harus berisi skema yang sama. [Pelajari Lebih Lanjut](#)

Nama file	Diupload pada	Ukuran	Status
covid_19_indonesia_time_series_all (1).csv	4/25/22 9:41 AM	5 MB	● Diupload

**BUAT SET DATA BARU**

**HAPUS SET DATA**

**Tambah** **Tambahkan**

# Step 4

Maka akan muncul seperti tampilan di bawah ini

The screenshot shows the Data Studio interface with the following components:

- Browser Tabs:** (37) WhatsApp, Sarina - Presentasi, Sarina Visualisasi Data, Search | Kaggle.
- Address Bar:** datastudio.google.com/reporting/b7d99240-d91e-44c7-b627-43c52e8f09a0/page/JyGrC/edit
- Page Header:** Sarina Visualisasi Data, File, Edit, Lihat, Sisipkan, Halaman, Atur, Sumber daya, Bantuan. Buttons: Reset, Bagikan, Lihat.
- Toolbar:** Add page, Tambahkan data, Tambahkan diagram, Tambahkan kontrol, Tema dan tata letak.
- Main Canvas:** A table with the following data:

	Location ISO Code	Record Count
1.	ID-JK	642
2.	IDN	642
3.	ID-RI	641
4.	ID-JB	640
5.	ID-BT	637
6.	ID-JT	635
7.	ID-SG	633
8.	ID-BA	632
- Right Sidebar:**
  - Data:** covid\_19\_indonesia\_time\_serie...
  - Kolom yang Tersedia:**
    - Area (km2)
    - Case Fatality Rate
    - Case Recovered Rate
    - City or Regency
    - Continent
    - Country
    - Date
    - Growth Factor of New...
    - Island
    - Latitude
    - Location
    - Location ISO Code
    - Location Level
    - Longitude
  - TAMBAHKAN KOLOM**
  - TAMBAHKAN PARAM...**

# Step 5

Selanjutnya memasukkan "Location" ke "Dimensi" dan "New cases" ke "Metrik"

The screenshot shows the Data Studio interface with a table of COVID-19 data. The table has columns: Location ISO Code, Location, Record Count, and New Cases. The data is filtered by Location ISO Code, showing results for various Indonesian provinces.

	Location ISO ...	Locat...	Record Count...	New Ca...
1.	ID-JK	DKI Ja...	642	864.008
2.	IDN	Indone...	642	4.257.243
3.	ID-RI	Riau	641	128.824
4.	ID-JB	Jawa B...	640	707.934
5.	ID-BT	Banten	637	132.693
6.	ID-JT	Jawa T...	635	486.435
7.	ID-SG	Sulawe...	633	20.160
8.	ID-BA	Bali	632	114.233
9.	ID-NT	NT	630	140.046
			1 - 35 / 35	< >

The right sidebar shows the configuration panel with the following sections:

- DATA** (selected) / GAYA
- Sumber data**: covid\_19\_indone...
- GABUNGAN DATA** (button)
- Dimensi Rentang Tanggal**: Date
- Dimensi**: Location ISO Co..., Location (selected)
- Metrik**: Record Count, New Cases (selected)

Two red arrows point from the text in the previous block to the 'Location' dimension and 'New Cases' metric in the configuration panel.



# Step 6

Kemudian menghapus data "Indonesia" dengan menu filter lalu klik "Tambahkan Filter"

The screenshot shows the Data Studio interface with a table of COVID-19 data. The table has columns for Location ISO Code, Location, Record Count, and New Cases. The data is filtered to show 13 rows, with a red arrow pointing to the 'TAMBAHKAN FILTER' button in the filter menu.

	Location ISO Code	Location	Record Count	New Cases
1.	ID-JK	DKI Jakarta	642	864.008
2.	ID-RI	Riau	641	128.824
3.	ID-JB	Jawa Barat	640	707.934
4.	ID-BT	Banten	637	132.693
5.	ID-JT	Jawa Tengah	635	486.435
6.	ID-SG	Sulawesi Tenggara	633	20.160
7.	ID-BA	Bali	632	114.233
8.	ID-KI	Kalimantan Timur	629	158.245
9.	ID-YO	Daerah Istimewa Y...	627	156.769
10.	ID-SU	Sumatera Utara	626	106.045
11.	ID-JI	Jawa Timur	625	399.467
12.	ID-SN	Sulawesi Selatan	624	109.919
13.	ID-KR	Kepulauan Riau	623	53.884

The filter menu on the right shows the 'Filter' section with 'Location filter' selected. The 'TAMBAHKAN FILTER' button is highlighted with a red arrow.

# Step 7

Maka akan muncul seperti gambar di bawah ini, lalu pilih menu "kecualikan", "Location", "Berisi" ketik "Indonesia" lalu Simpan

The screenshot shows the Data Studio interface with a report titled "Laporan Tanpa Judul". The main table displays data for various locations in Indonesia, including Jawa Barat, Banten, Jawa Tengah, and Sulawesi Tenggara. A filter configuration panel is open, showing the filter name "covid\_19\_indonesia\_time\_series\_all (1...". The filter is configured with the following settings:

- Operator: Kecualikan (Exclude)
- Field: Location
- Condition: Berisi (Contains)
- Value: Indonesia

The filter is saved, and the "SIMPAN" button is highlighted with a red arrow. The status bar at the bottom indicates "Filter ini memiliki 1 klausa".

	Location ISO Code	Location	Record Count	New Cases
4.	ID-JB	Jawa Barat	640	707.934
5.	ID-BT	Banten	637	132.693
6.	ID-JT	Jawa Tengah	635	486.435
7.	ID-SG	Sulawesi Tenggara	633	20.160



# Step 8

Agar tidak ada salah Penafsiran, maka mengganti "New Cases" menjadi "Total Cases"

The screenshot shows the Google Data Studio interface. A table is displayed with the following data:

	Location ISO Code	Location	Total Cases
1.	ID-JK	DKI Jakarta	864.008
2.	ID-JB	Jawa Barat	707.934
3.	ID-JT	Jawa Tengah	486.435
4.	ID-JI	Jawa Timur	399.467
5.	ID-KI	Kalimantan T...	158.245
6.	ID-YO	Daerah Istim...	156.769
7.	ID-BT	Banten	132.693
8.	ID-RI	Riau	128.824
n	ID-PA	Palemba	114.799

A red arrow points to the configuration menu for the 'Total Cases' column. The menu 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 right sidebar shows a list of available columns for the report.

Kolom yang Tersedia
Ketik untuk mencari
123 Area (km2)
ABC Case Fatality Rate
ABC Case Recovered Rate
ABC City or Regency
ABC Continent
ABC Country
ABC Date
ABC Growth Factor of New...
ABC Growth Factor of New...
ABC Island
123 Latitude
ABC Location
ABC Location ISO Code
ABC Location Level
123 Longitude
+ TAMBAHKAN KOLOM
+ TAMBAHKAN PARAM...

# Step 9

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

The screenshot shows the Google Data Studio interface. The main workspace displays a map of Southeast Asia, including Indonesia, Malaysia, and Singapore. The map is titled "Total Cases" and shows a value of 926.052.740. A red arrow points from the "Diagram" tab in the right-hand sidebar to the "Peta bidang" (Map) visualization option. The sidebar also shows a list of available data sources and dimensions, including "covid\_19\_indone..." and "Date".

Diagram > Google Maps

DATA GAYA

Sumber data

covid\_19\_indone...

+ GABUNGAN DATA?

Dimensi Rentang Tanggal

Date

Kolom

Lokasi

Kolom yang Tersedia

Ketik untuk mencari

now Province

ABC Special Status

ABC Time Zone

123 Total Active Cases

123 Total Cases

+ TAMBAHKAN KOLOM

+ TAMBAHKAN PARAM...

10.27 25/04/2022

# Step 10

selanjutnya akan muncul tampilan di bawah ini dan ubah  
**Country** di Lokasi menjadi provinsi

The screenshot shows the Data Studio interface with a Google Maps visualization of Indonesia. The map is titled "Laporan Tanpa Judul" and displays the total number of cases as 926,052,740. The right sidebar shows the "Diagram > Google Maps" configuration panel. In the "DATA" tab, the "Country" field is selected, and a red arrow points to the "Province" option in the "Kolom yang Tersedia" list. The "GAYA" tab is also visible, showing various styling options.

# Step 11

Edit sumber data kemudian scroll province, klik teks ubah menjadi seperti dibawah ini, dan klik selesai.

The screenshot shows the Data Studio interface with the 'Edit koneksi' (Edit connection) dialog open for the 'covid\_19\_indonesia\_time\_series\_all (1).csv' data source. The 'Geografis' (Geographic) category is selected in the left sidebar, and the 'Negara' (Country) option is highlighted in the right sidebar. A red arrow points from the 'Province' field in the left sidebar to the 'Geografis' category in the right sidebar. Another red arrow points from the 'Negara' option to the 'Pembagian administratif negara (tingkat 1)' option. The 'SELESAI' (Finish) button is visible in the top right corner of the dialog.



# Step 12

Maka akan muncul tampilan seperti di bawah ini, kita bisa mengganti tema dengan cara klik Tema dan Tata Letak.

The screenshot shows the Google Data Studio interface. The main view is a map of Indonesia, with labels for various regions like Laut Andaman, Tlk. Thailand, Palawan, Negros, Mindanao, Basilan, Laut Sulawesi, Malaysia, Singapura, Laut Jawa, Laut Banda, Laut Arafura, Laut Timor, and Papua Nugini. A legend at the bottom left indicates 'Total Cases' with a range from 2.689.823 to 208.594.013. The top navigation bar includes 'File', 'Edit', 'Lihat', 'Sisipkan', 'Halaman', 'Atur', 'Sumber daya', and 'Bantuan'. The right sidebar shows the 'Diagram > Google Maps' view, with tabs for 'DATA' and 'GAYA'. The 'DATA' tab is active, showing 'Sumber data' (covid\_19\_indone...), 'Dimensi Rentang Tanggal' (Date), 'Kolom' (Province), and 'Lokasi' (Province). The 'GAYA' tab is also visible, showing 'Kolom yang Tersedia' (Available Columns) with a search bar and a list of columns including Area (km2), Case Fatality Rate, Case Recovered Rate, City or Regency, Continent, Country, Date, Growth Factor of New..., Island, Latitude, Location, Location ISO Code, Location Level, and Longitude. A red arrow points to the 'Tema dan tata letak' button in the top navigation bar.

# Step 13

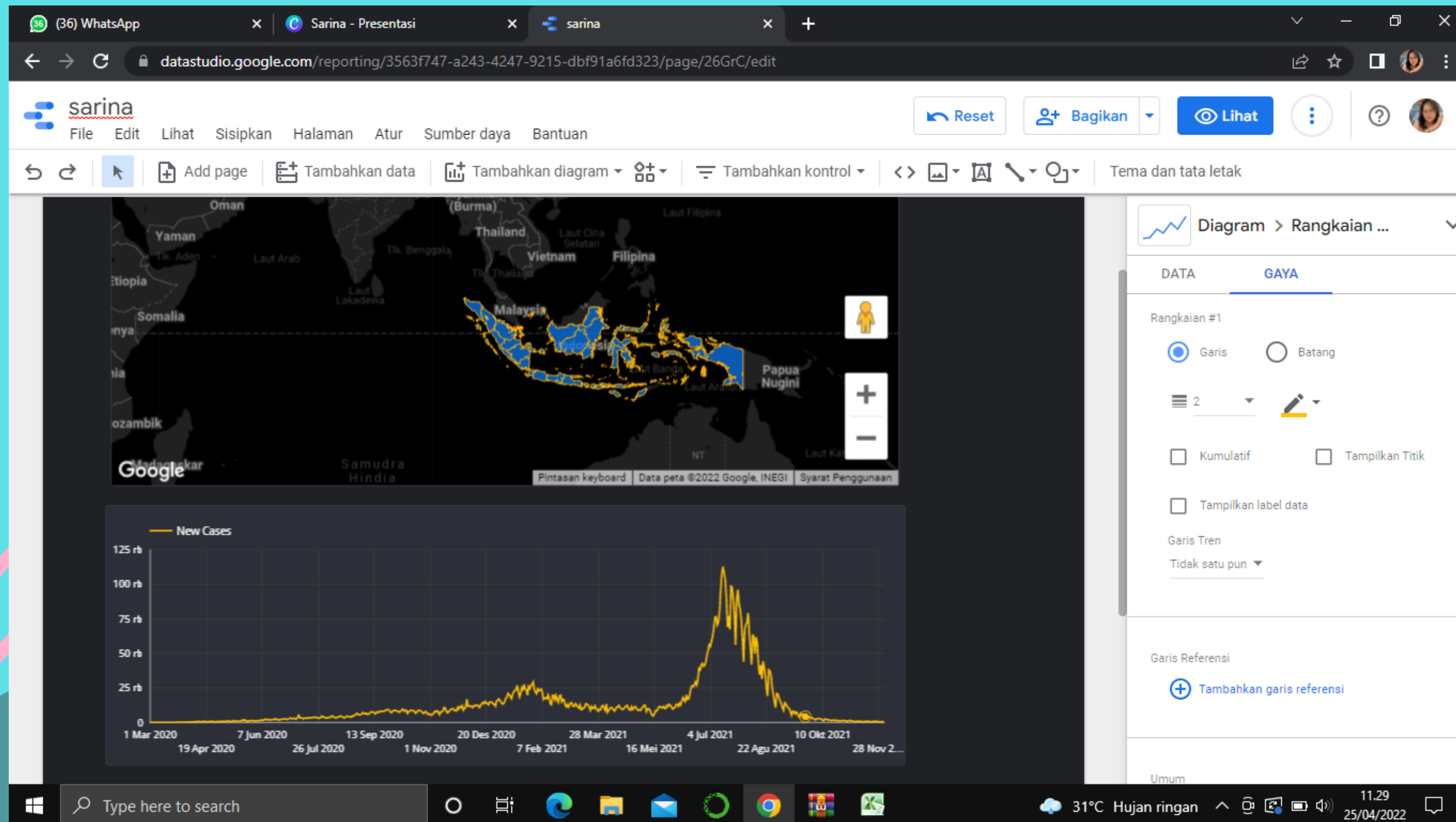
Selanjutnya membuat diagram kedua Diagram deret waktu yaitu dengan cara klik menu "Tambahkan Diagram"

The screenshot shows the Data Studio interface with the 'Tambahkan diagram' menu open. The menu lists various chart types: Tabel, Kartu skor, Rangkaian waktu, Diagram deret waktu (highlighted), Lingkaran, Google Maps, Diagram geografis, Garis, Area, and Sebar. The main canvas displays a map of Indonesia with a color scale for 'Total Cases' ranging from 2.689.823 to 208.594.013. The right sidebar shows the 'Data' section with a dropdown menu for 'covid\_19\_indonesia\_time\_series...' and a list of available columns including Area (km2), Case Fatality Rate, Case Recovered Rate, City or Regency, Continent, Country, Date, Growth Factor of New..., Island, Latitude, Location, Location ISO Code, Location Level, and Longitude. The bottom status bar indicates the time is 10:55 on 25/04/2022, with a temperature of 29°C and weather condition 'Kabut'.



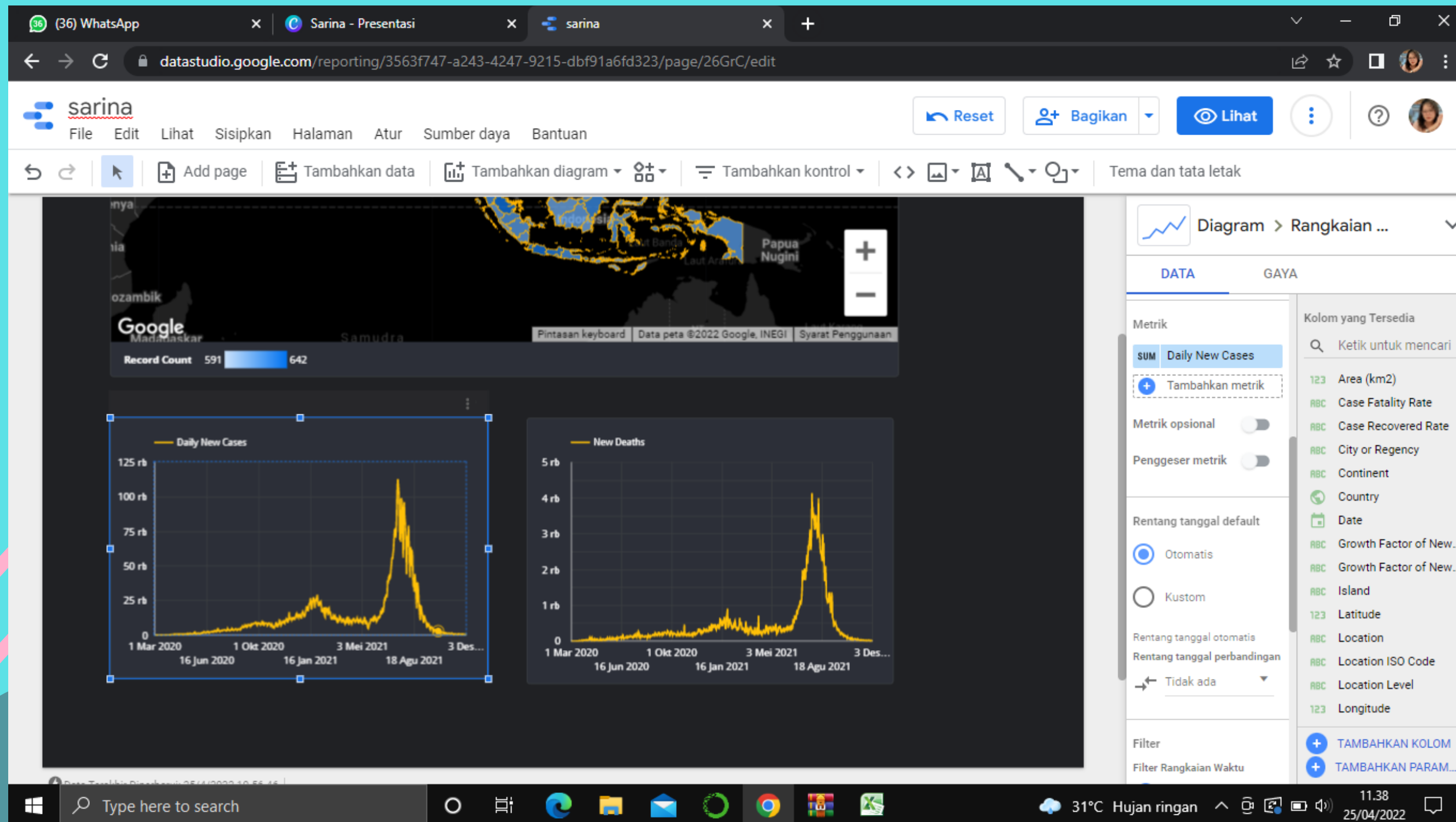
# Step 14

Maka akan muncul tampilan seperti di bawah ini, lalu ubah New Cases menjadi Daily New Cases



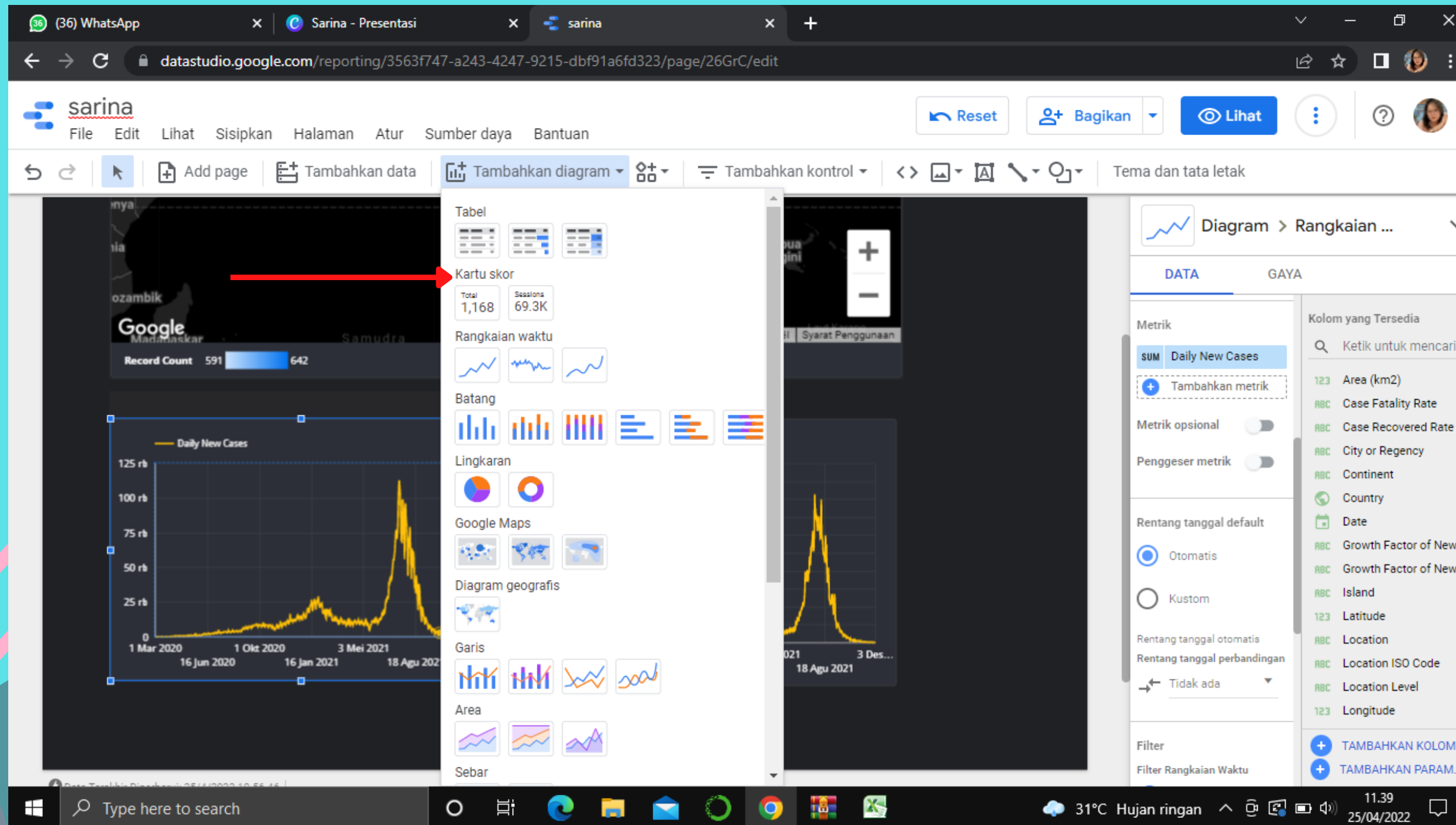
# Step 15

Kemudian membuat diagram untuk New Deaths yaitu dengan copas diagram sebelumnya dan masukan New Deaths ke Metrik



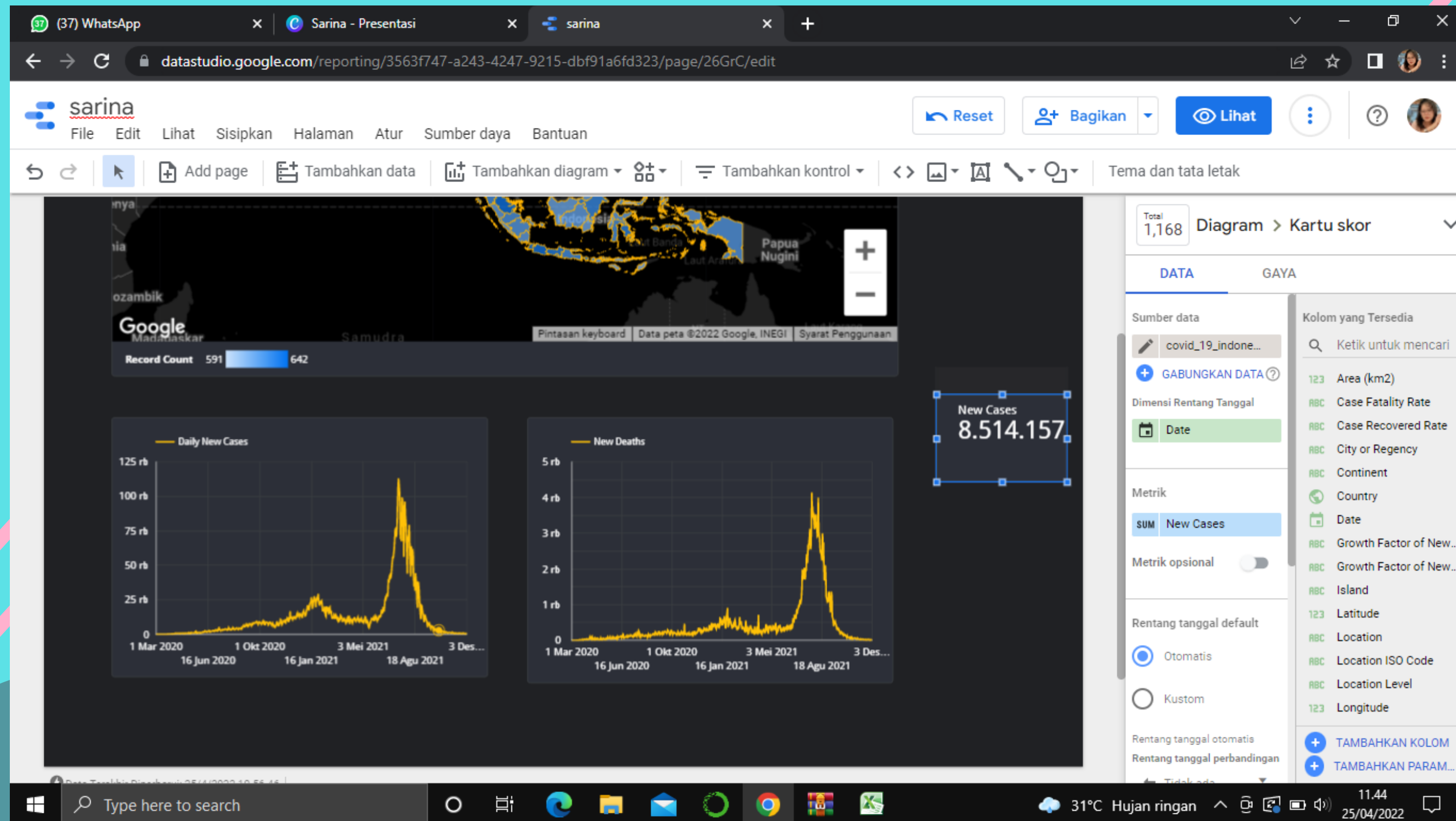
# Step 16

Selanjutnya membuat ringkasan dari data yang sudah dibuat dengan cara menambahkan diagram dan pilih "Kartu Skor"



# Step 17

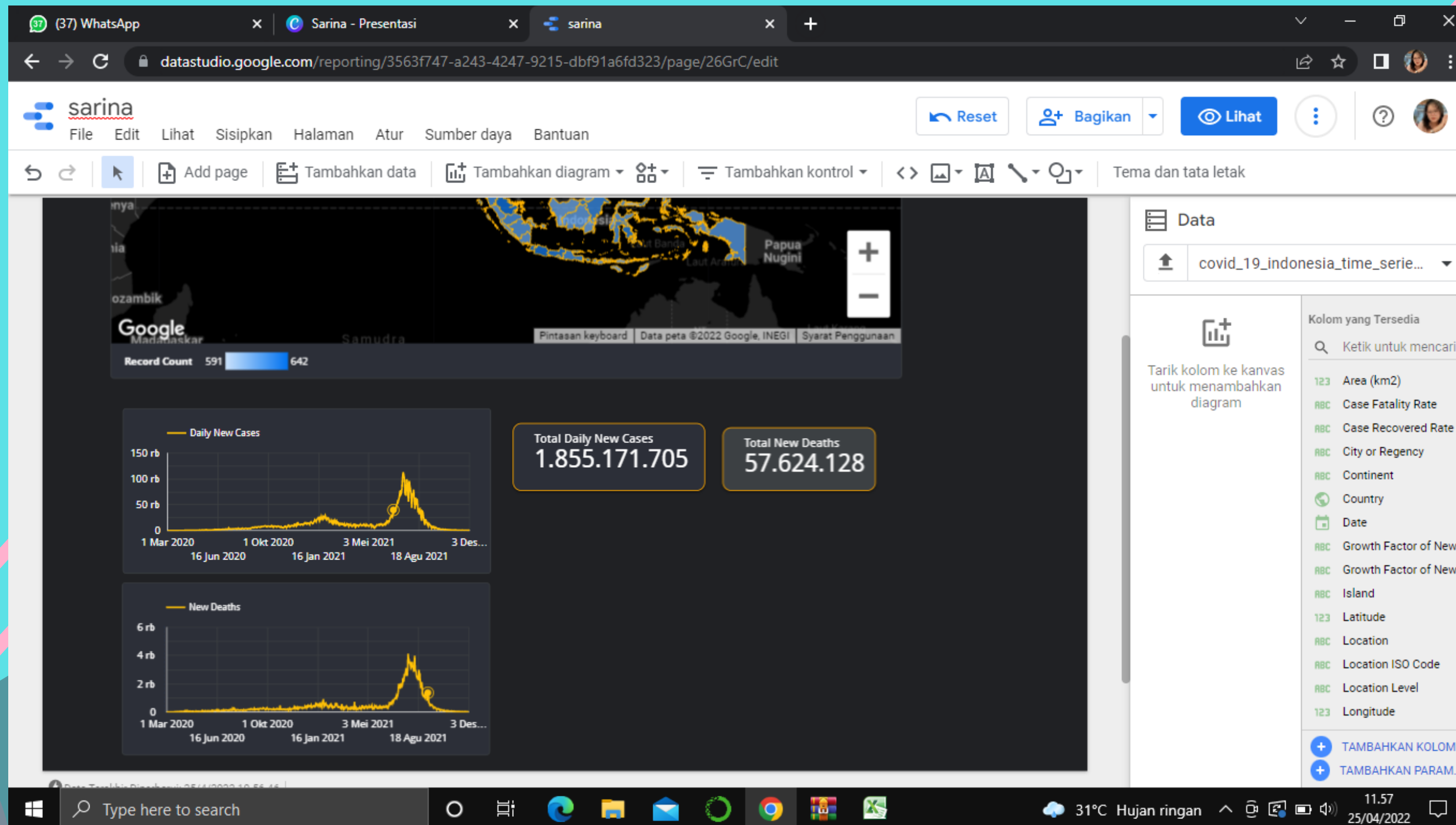
Maka tampilannya akan seperti ini, Ubah New Cases menjadi Total New Cases





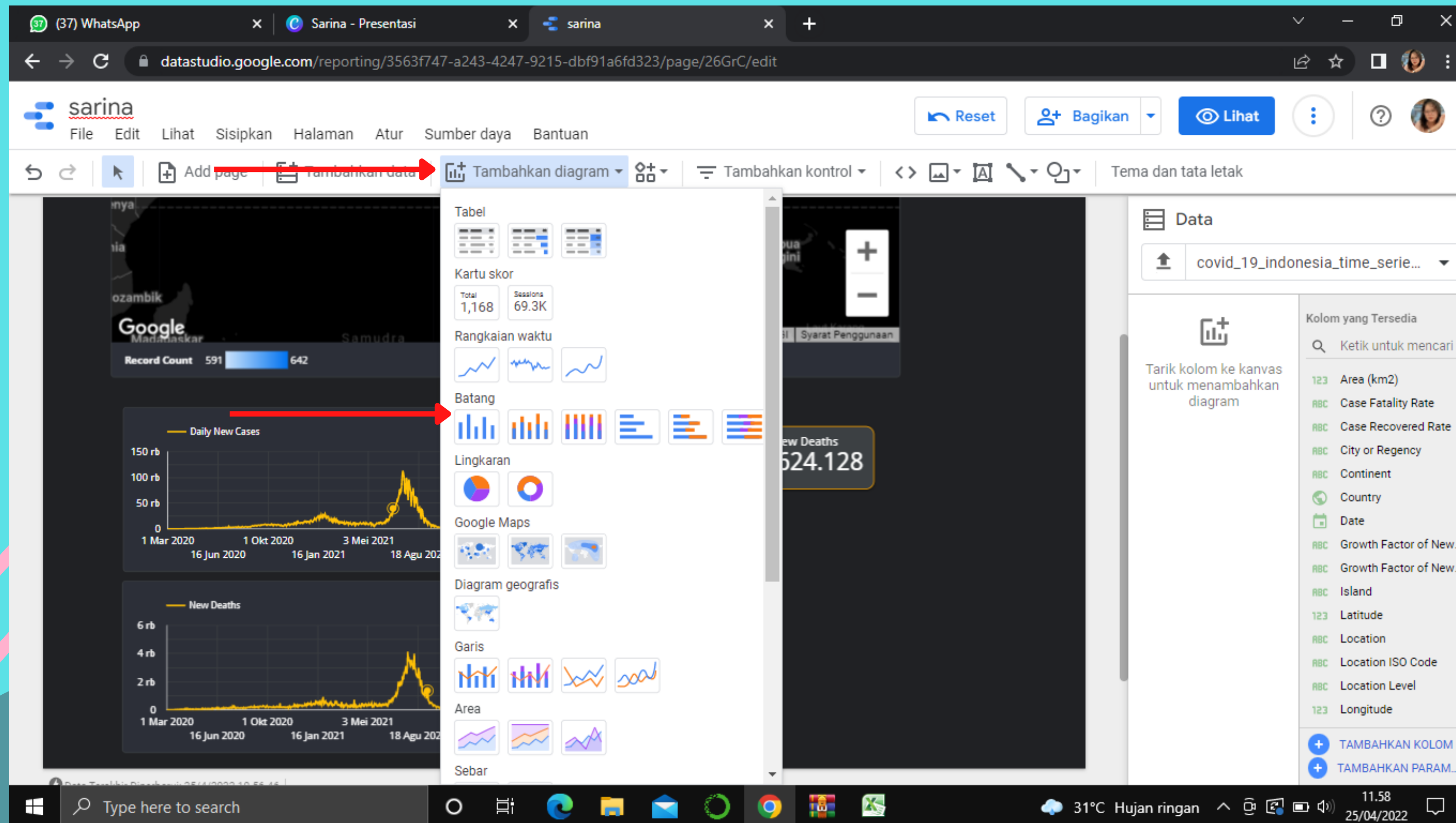
# Step 18

Maka tampilannya akan seperti di bawah ini, Lalu buat untuk New Deaths dengan cara yang sama



# Step 19

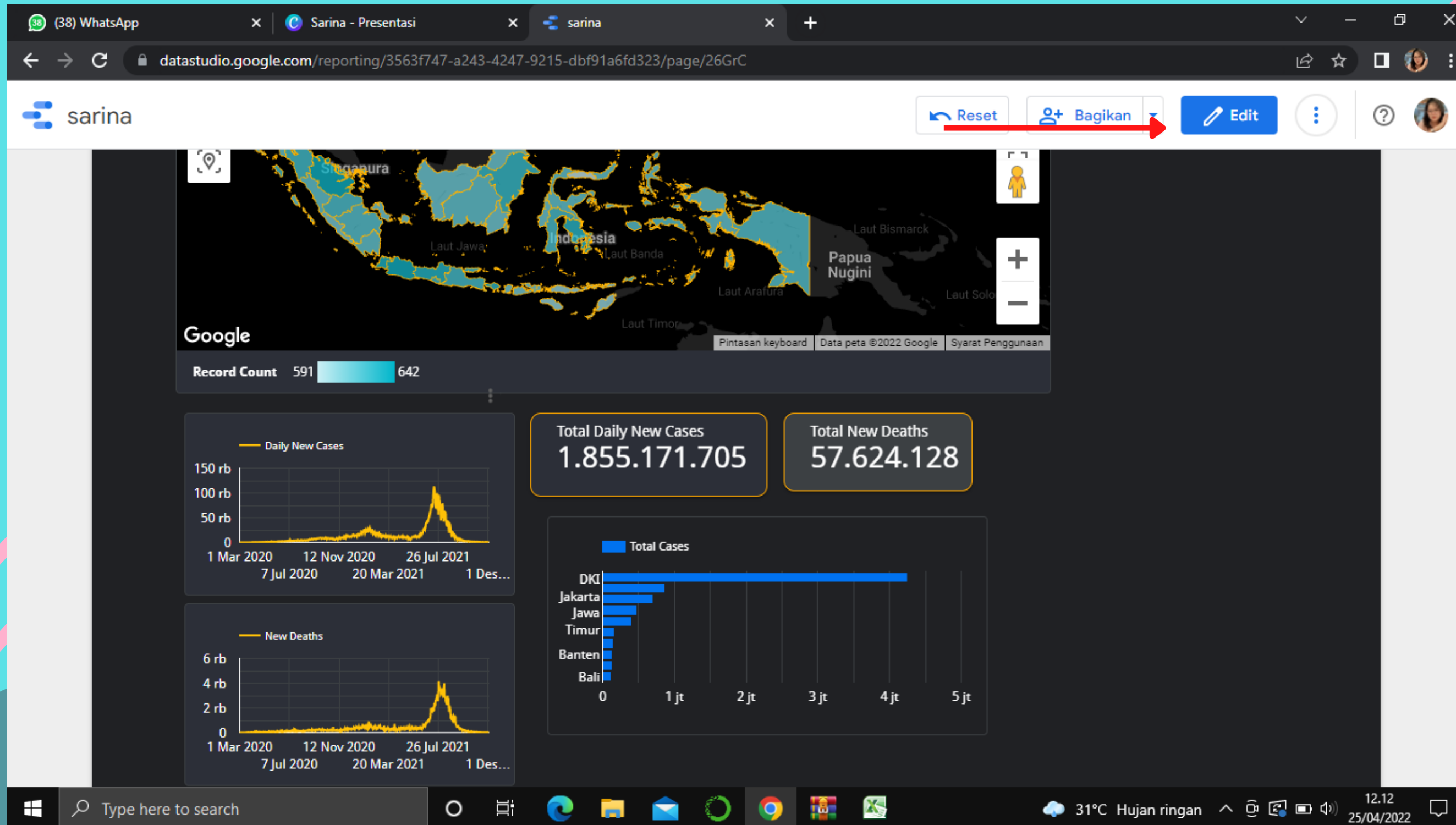
Selanjutnya membuat diagram batang yang melambangkan data per provinsi, tambahkan diagram dan pilih Diagram Batang





# Step 20

Visualisasi data sudah Selesai, klik "Lihat" untuk tampilan full



**THANKS**

