

# Google Data Studio



# PROFIL



Saya Risky David Kasyanto seorang mahasiswa prodi D3 Teknik Telkomunikasi angkatan 2019, Institut Teknologi Telkom Purwokerto. Saya memiliki pengalaman di bidang Internet of Things. Saya juga memiliki keahlian pemrograman, elektronika, seluler, jaringan dan juga desain grafis.



[github.com/riskydav](https://github.com/riskydav)

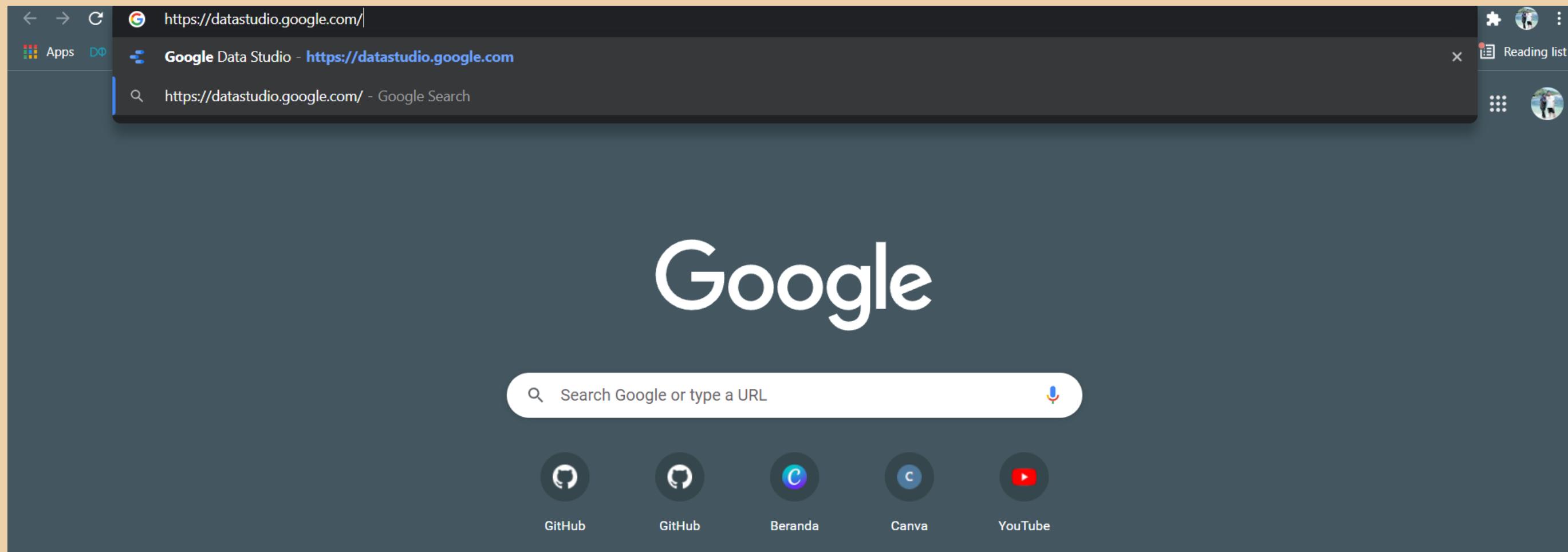


risky david kasyanto



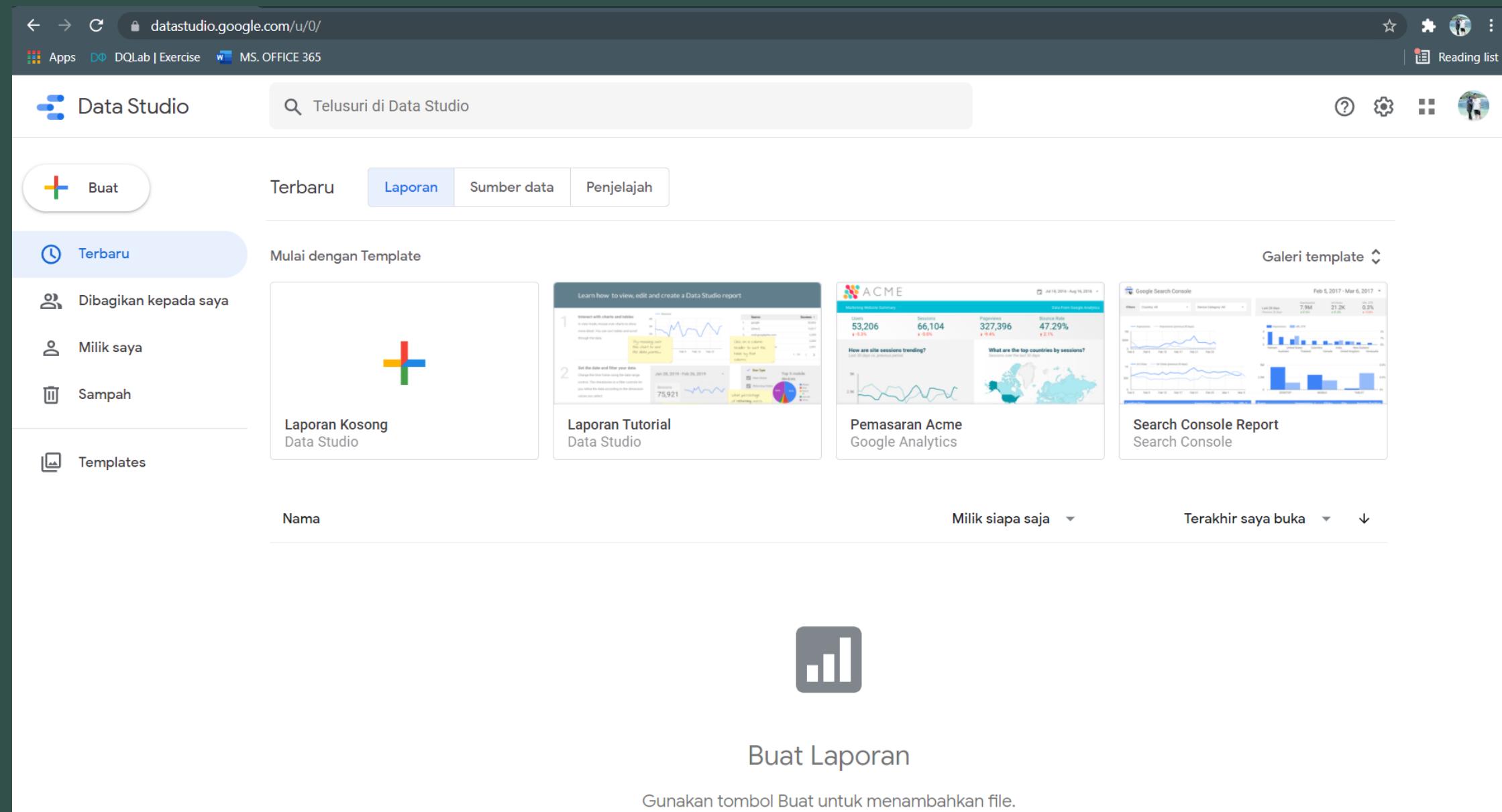
@riskydav\_

# D Step 1



Ketikkan pada pencarian google.com (<https://datastudio.google.com/>)

# Step 2



Buka Google Data Studio dan login menggunakan akun google pribadi.

# Step 3

The screenshot shows the Google Data Studio dashboard. The sidebar on the left has a dropdown menu with 'Laporan' (Report) highlighted. The main area displays various report templates, including 'Laporan Kosong Data Studio', 'Laporan Tutorial Data Studio', 'Pemasaran Acme Google Analytics', and 'Search Console Report'. A large button at the bottom center says 'Buat Laporan' (Create Report).

datastudio.google.com/u/0/

Apps DQLab | Exercise MS. OFFICE 365

Data Studio Telusuri di Data Studio

Buat Laporan Sumber data Penjelajah

Terbaru Laporan Sumber data Penjelajah

Mulai dengan Template

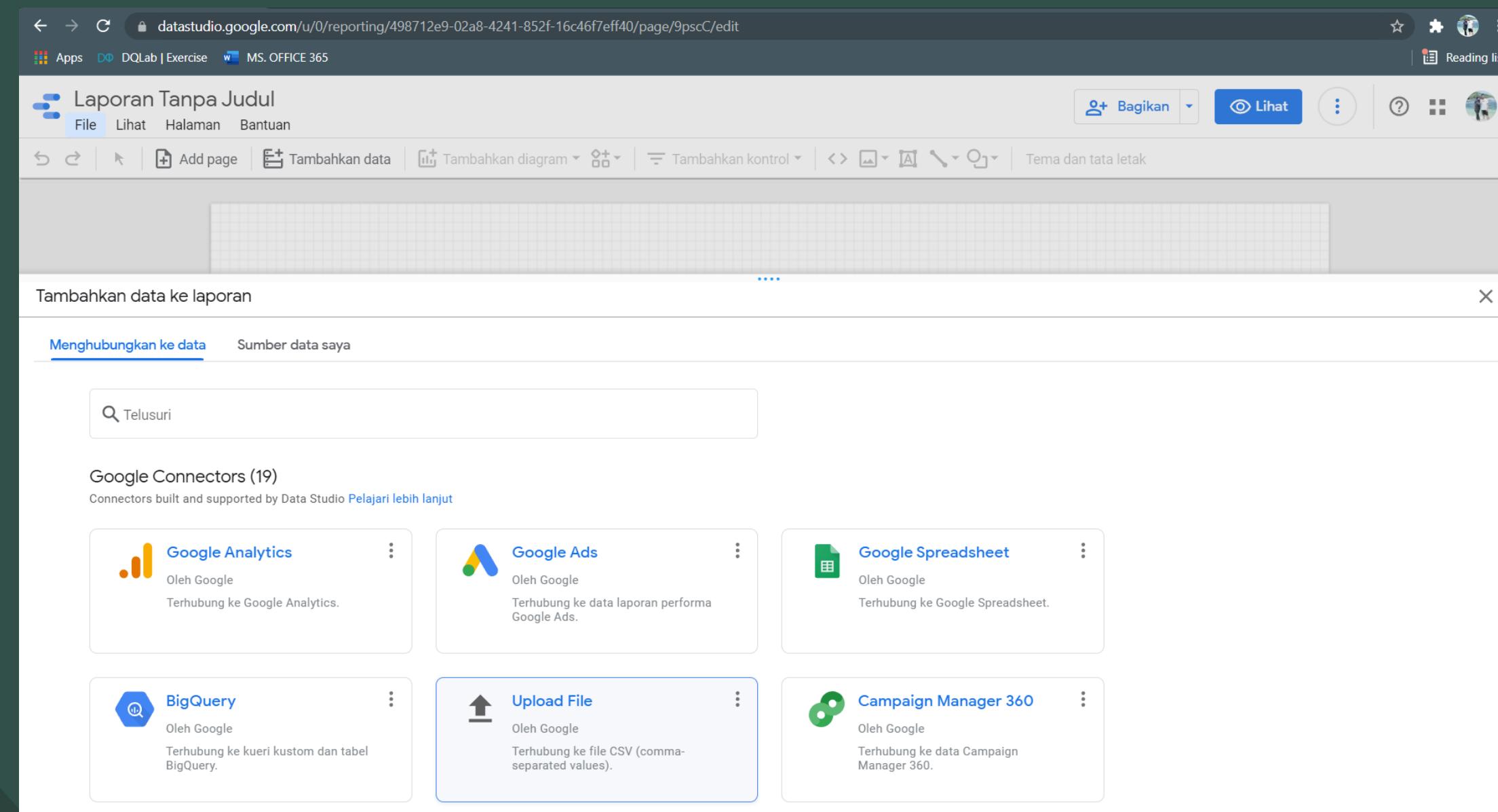
Laporan Kosong Data Studio Laporan Tutorial Data Studio Pemasaran Acme Google Analytics Search Console Report

Buat Laporan

Gunakan tombol Buat untuk menambahkan file.

Klik menu tambahkan Laporan Kosong .

# Step 4



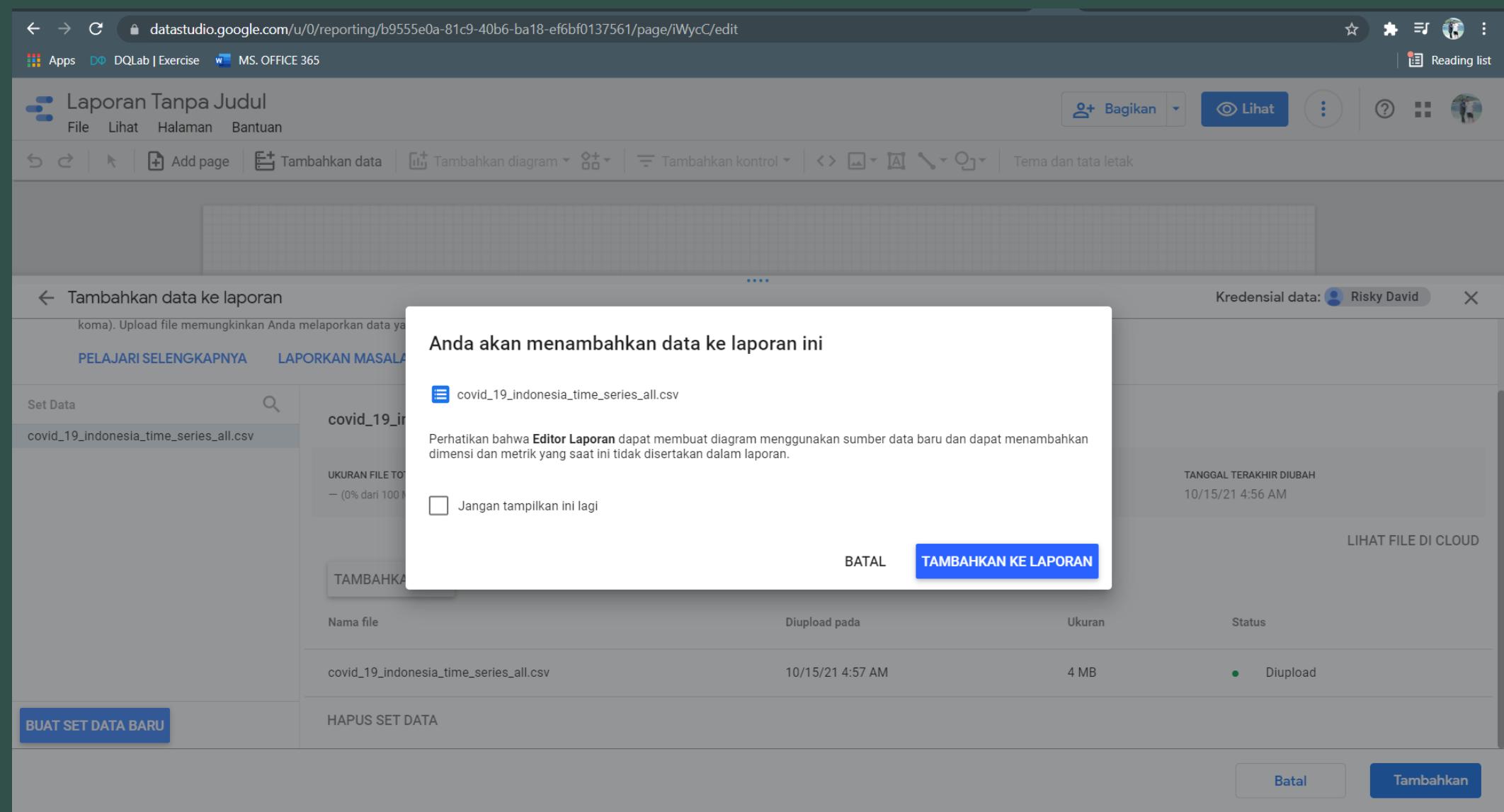
Maka akan muncul menu seperti berikut. Selanjutnya klik menu Upload File untuk menambahkan data file yang kita miliki.

# Step 5

The screenshot shows the Google Data Studio interface with a modal dialog titled "Tambahkan data ke laporan" (Add data to report). The dialog is centered over a blank report page. At the top left of the dialog, there's a back arrow and a title "Tambahkan data ke laporan". At the top right, it shows "Kredensial data: Risky David" and a close button. Below the title, there are two buttons: "PELAJARI SELENGKAPNYA" and "LAPORKAN MASALAH". The main area displays a file named "covid\_19\_indonesia\_time\_series\_all.csv". It includes details like "UKURAN FILE TOTAL: 4 MB (4% dari 100 MB digunakan)", "JUMLAH FILE: 1", "TANGGAL PEMBUATAN: 10/14/21 11:06 AM", and "TANGGAL TERAKHIR DIUBAH: 10/14/21 11:07 AM". A "LIHAT FILE DI CLOUD" link is also present. Below this, there's a "TAMBAHKAN FILE" button with a note about schema matching. A table lists the uploaded file: "covid\_19\_indonesia\_time\_series\_all.csv" was uploaded at "10/14/21 11:07 AM" with a size of "4 MB" and a status of "Diupload". At the bottom of the dialog, there are "BUAT SET DATA BARU", "HAPUS SET DATA", "Batal" (Cancel), and "Tambahkan" (Add) buttons.

Apabila data sudah berhasil ter upload, selanjutnya klik tambahkan.

# Step 6



Klik menu Tambahkan Ke Laporan.

# Step 7

The screenshot shows the Google Data Studio interface. At the top, the URL is datastudio.google.com/u/0/reporting/b9555e0a-81c9-40b6-ba18-ef6bf0137561/page/iWycC/edit. The main area displays a 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          |

Below the table, there are navigation buttons: "1 - 34 / 34" and arrows for " < " and " > ". On the right side, there is a sidebar titled "Diagram > Tabel". It includes sections for "DATA" and "GAYA". Under "DATA", there is a "Sumber data" section with a search bar containing "covid\_19\_indonesia..." and a "GABUNGKAN DATA" button. Below that are sections for "Dimensi" (with "Date" selected), "Metrik" (with "Record Count" selected), and "Baris per Halaman" (set to 100). The sidebar also lists various metrics and dimensions such as "Area (km2)", "Case Fatality Rate", "Case Recovered Rate", "City or Regency", etc.

Setelah itu maka akan muncul tampilan seperti diatas.

# Step 8

The screenshot shows a Google Data Studio report titled "Laporan Tanpa Judul". On the left, there is a table visualization titled "New Cases" with the following data:

| Location                      | New Cases |
|-------------------------------|-----------|
| 1. Indonesia                  | 2.455.912 |
| 2. DKI Jakarta                | 636.346   |
| 3. Jawa Barat                 | 440.379   |
| 4. Jawa Tengah                | 285.348   |
| 5. Jawa Timur                 | 189.705   |
| 6. Kalimantan Timur           | 83.762    |
| 7. Riau                       | 74.899    |
| 8. Daerah Istimewa Yogyakarta | 72.560    |
| 9. Sulawesi Selatan           | 67.280    |
| 10. Banten                    | 61.689    |
| 11. Sumatera Barat            | 55.675    |
| 12. Bali                      | 54.070    |

The table has 12 rows and is sorted by "New Cases" in descending order. The footer shows "1 - 34 / 34".

The right side of the screen shows the Data Studio editor interface. A red arrow labeled "1" points to the "Dimensi" section where "Location" is selected. Another red arrow labeled "2" points to the "Metrik" section where "SUM New Cases" is selected.

Selanjutnya memasukkan data Location ke menu dimensi dan juga memasukkan data New Cases pada menu matrik seperti gambar diatas.

# Step 9

The screenshot shows a Google Data Studio report titled "Laporan Tanpa Judul". The main content is a table with two columns: "Location" and "New Cases". The first row, which contains the data for "Indonesia", is highlighted with a red border. The right sidebar displays the "Diagram > Tabel" panel. In this panel, under the "Filter" section, there is a button labeled "TAMBAHKAN FILTER" which is also highlighted with a red box.

| Location                      | New Cases |
|-------------------------------|-----------|
| 1. Indonesia                  | 2.455.912 |
| 2. DKI Jakarta                | 636.346   |
| 3. Jawa Barat                 | 440.379   |
| 4. Jawa Tengah                | 285.348   |
| 5. Jawa Timur                 | 189.705   |
| 6. Kalimantan Timur           | 83.762    |
| 7. Riau                       | 74.899    |
| 8. Daerah Istimewa Yogyakarta | 72.560    |
| 9. Sulawesi Selatan           | 67.280    |
| 10. Banten                    | 61.689    |
| 11. Sumatera Barat            | 55.675    |
| 12. Bali                      | 51.070    |

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

# Step 10

The screenshot shows a Google Data Studio report titled "Laporan Tanpa Judul". In the center, there is a table titled "New Cases" with the following data:

| Location       | New Cases |
|----------------|-----------|
| 1. Indonesia   | 2.455.912 |
| 2. DKI Jakarta | 636.346   |
| 3. Jawa Barat  | 440.379   |
| 4. Jawa Tengah | 285.348   |
| 5. Jawa Timur  | 189.705   |

To the right of the table, a modal window titled "Pemilih filter" is open. It shows a "Location filter" section with a "BUAT FILTER" button. Below this, there is a "Nama" field containing "covid\_19\_indonesia\_time\_series\_all.csv", a dropdown menu set to "Kecualikan", and a search bar. The word "Location" is highlighted in green. A "DAN" button is visible below the search bar, and an "ATAU" button is to its right. At the bottom left of the modal, it says "Filter ini memiliki 1 klausa". On the far right of the modal, there is a "SIMPAN" button.

Isikan data seperti diatas pada menu filter, lalu klik simpan.

# Step 11

The screenshot shows a Google Data Studio report titled "Laporan Tanpa Judul". The main area displays a table with the following data:

| Location                      | New 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            | 33.040    |

The sidebar on the right is titled "Diagram > Tabel" and contains a "DATA" tab with various filter options. One option, "Location filter", is highlighted.

| Location                      | New 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            | 33.040    |

Setelah tersimpan, maka data Indonesia akan terhapus.

# Step 12

The screenshot shows a Google Data Studio report titled "Laporan Tanpa Judul". The main content is a table with two columns: "Location" and "Total Cases". The table lists 12 locations with their respective case counts. The "Total Cases" column is currently set to "New Cases". A sidebar on the right is titled "Diagram > Tabel" and shows the configuration for the "Total Cases" field, including options for aggregation (Total is selected), calculation type (Angka), and comparison calculations.

| 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            | 22.040      |

Ubah nama New Cases pada menu matrik dengan nama Total Cases.

# Step 13

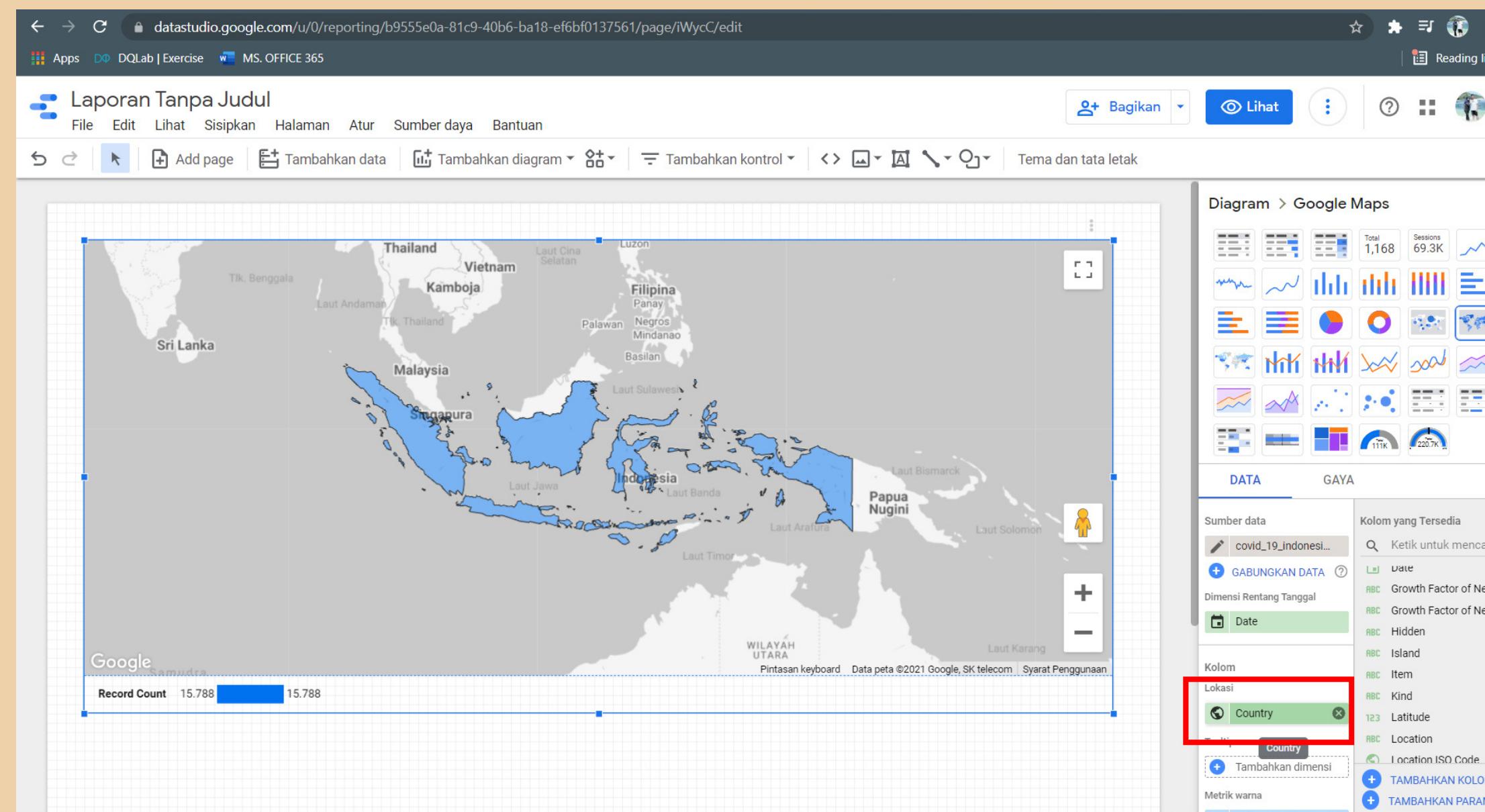
The screenshot shows the Google Data Studio interface. On the left, there is a table titled "Laporan Tanpa Judul" with two columns: "Location" and "Total Cases". The data is as follows:

| 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            | 33.040      |

On the right, a sidebar titled "Diagram > Tabel" is open, showing various chart and map options. One option, "Peta bidang" (Map), is highlighted with a dark gray background. Below the sidebar, there are tabs for "DATA" and "GAYA" (Style). Under the "DATA" tab, there are sections for "Sumber data" (Data source) and "Dimensi Rentang Tanggal" (Date range dimension). Under "GAYA", there are sections for "Dimensi" (Dimensions) and "Metrik" (Metrics).

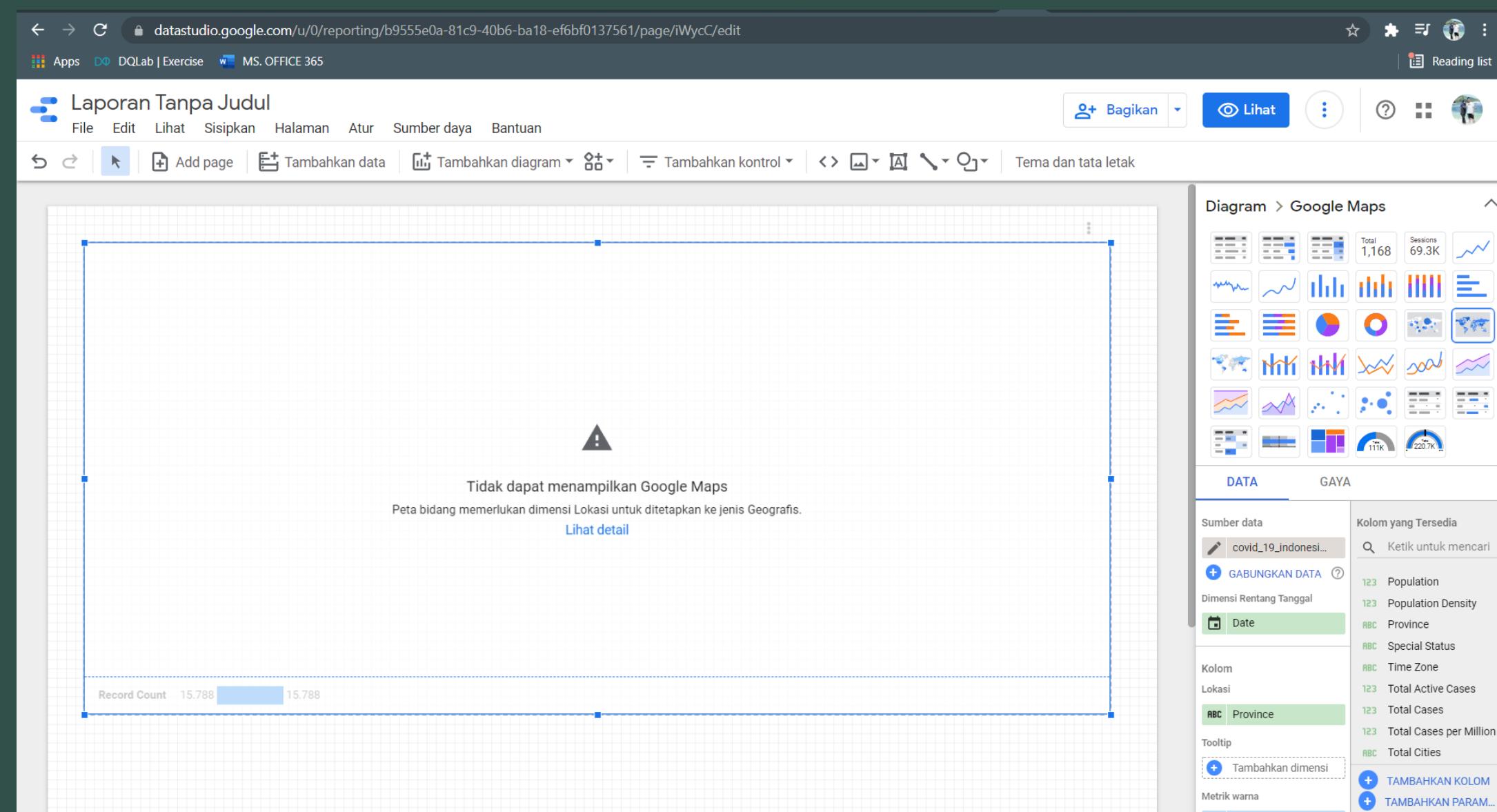
Lanjut kita ubah tabel ke dalam bentuk maps dengan cara klik bagian diagram lalu pilih peta bidang.

# Step 14



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

# Step 15



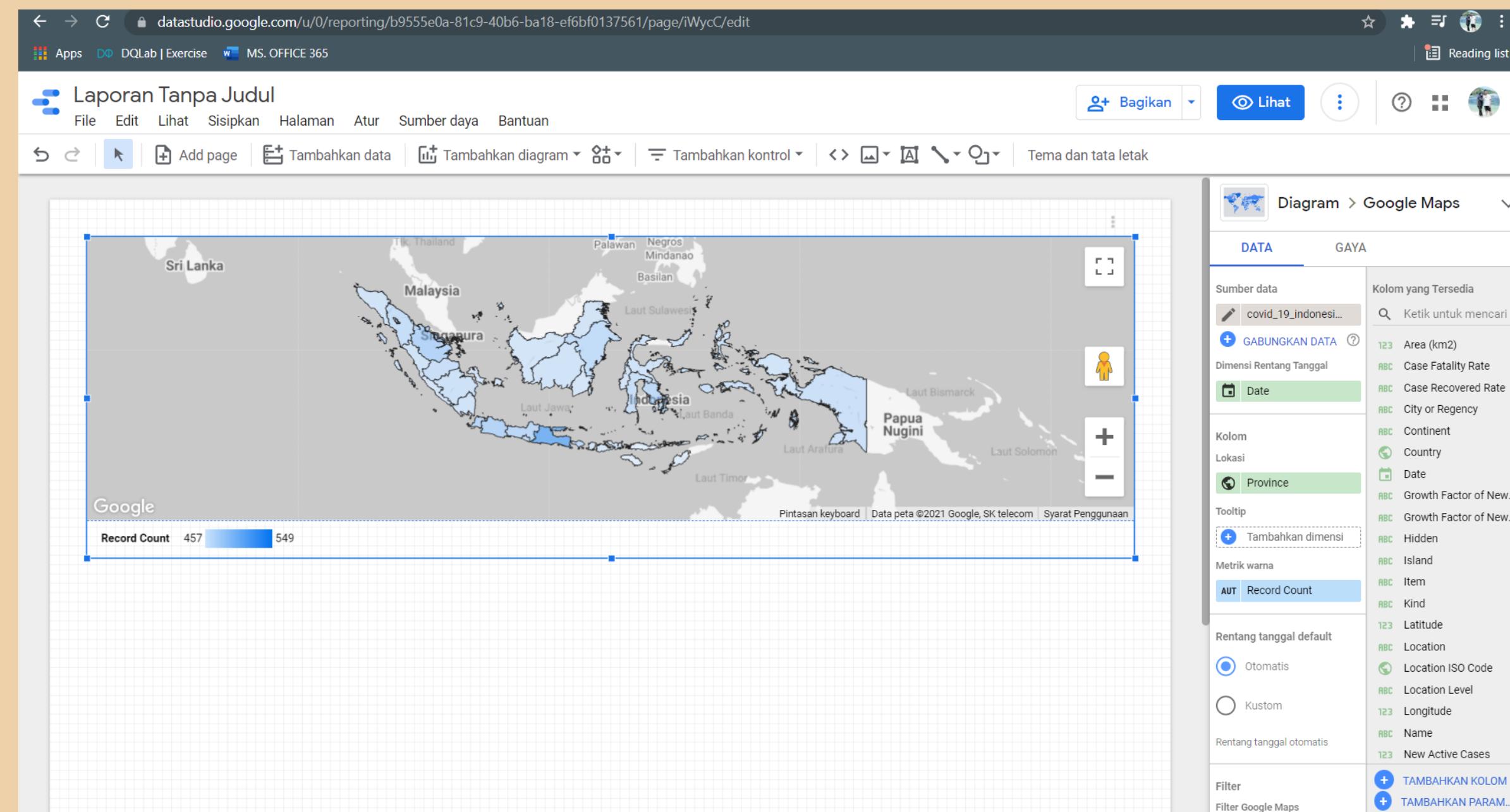
Apabila error seperti diatas, untuk mengatasinya yaitu mengubah tipe data Provinsi dari teks menjadi Geografis di menu Sumber Data.

# Step 16

The screenshot shows the Google Data Studio interface. At the top, the URL is `datastudio.google.com/u/0/reporting/b9555e0a-81c9-40b6-ba18-ef6bf0137561/page/iWycC/edit`. The toolbar includes 'Bagikan', 'Lihat', and other sharing options. The main area displays a dashboard with a large grid placeholder labeled 'covid\_19\_indonesia\_time\_series\_all.csv'. Below the grid, there's a list of columns from the CSV file: 'New Deaths', 'New Deaths per Million', 'New Recovered', 'Population', 'Population Density', 'Province', and 'Special Status'. A context menu is open over the 'Province' column, with 'Geografis' selected. Other options in the menu include 'Numerik', 'Teks', 'Tanggal & Waktu', 'Boolean', 'Mata Uang', and 'URL'. To the right, there's a sidebar titled 'Diagram > Google Maps' containing various chart and map icons. The bottom right corner of the interface shows '42/42 Kolom'.

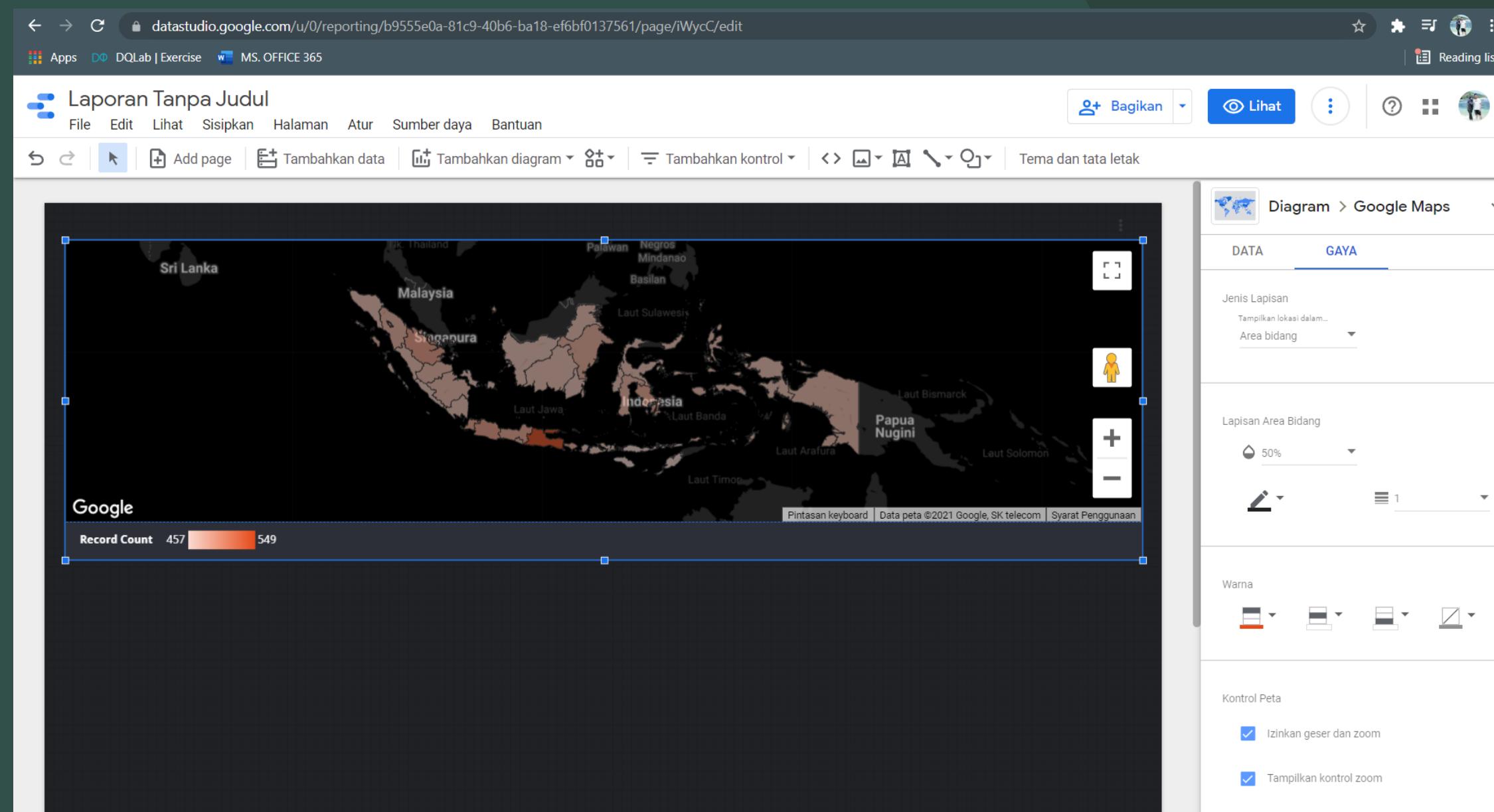
Selanjutnya atur seperti gambar diatas dan klik selesai.

# Step 17



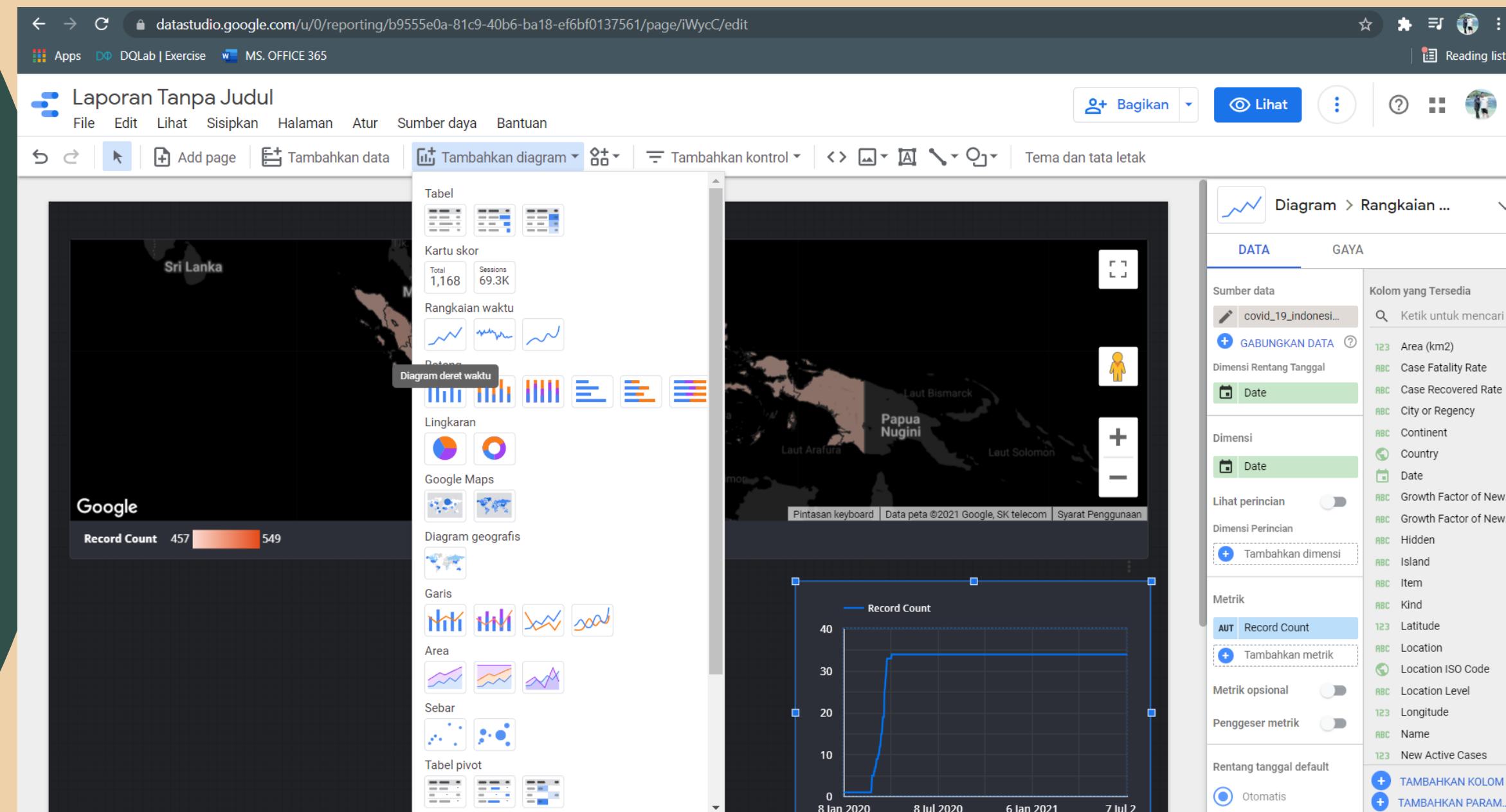
Jika sudah tampilan akan seperti ini.

# Step 18



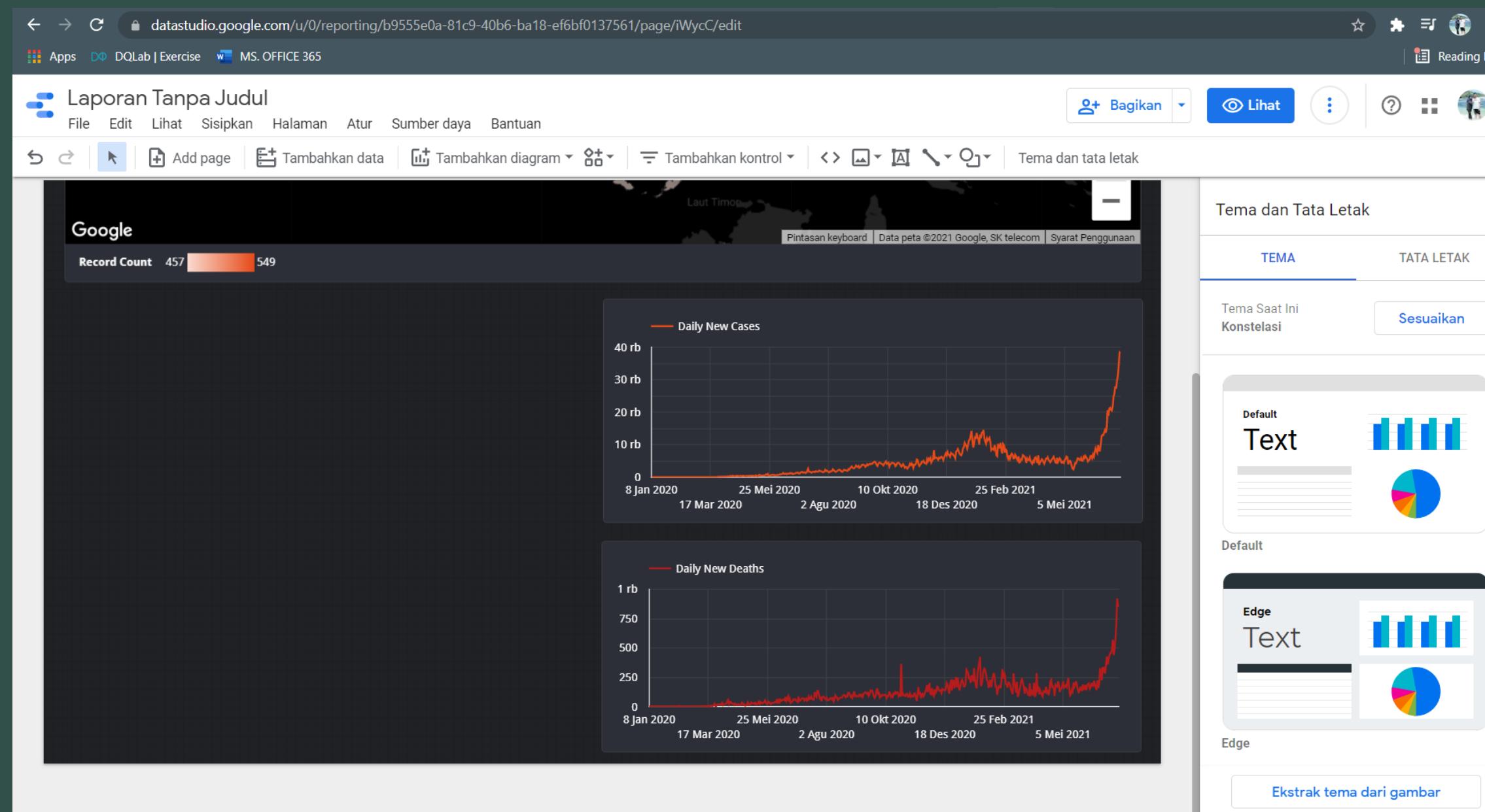
Kita juga dapat mengubah tema, gaya dan juga warna pada map yang kita buat.

# Step 19



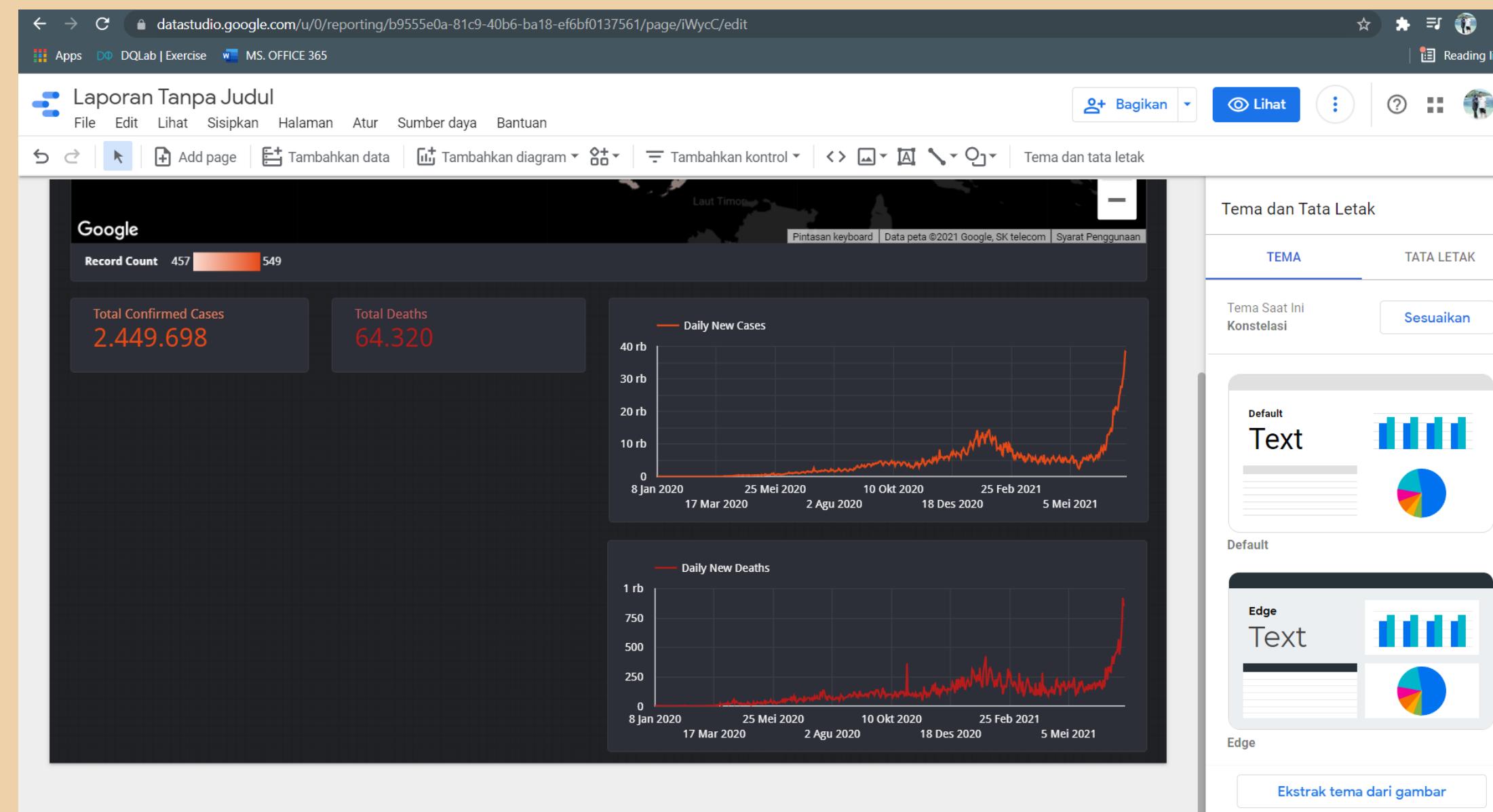
Kita juga dapat menambahkan diagram rangkaian waktu.

# Step 20



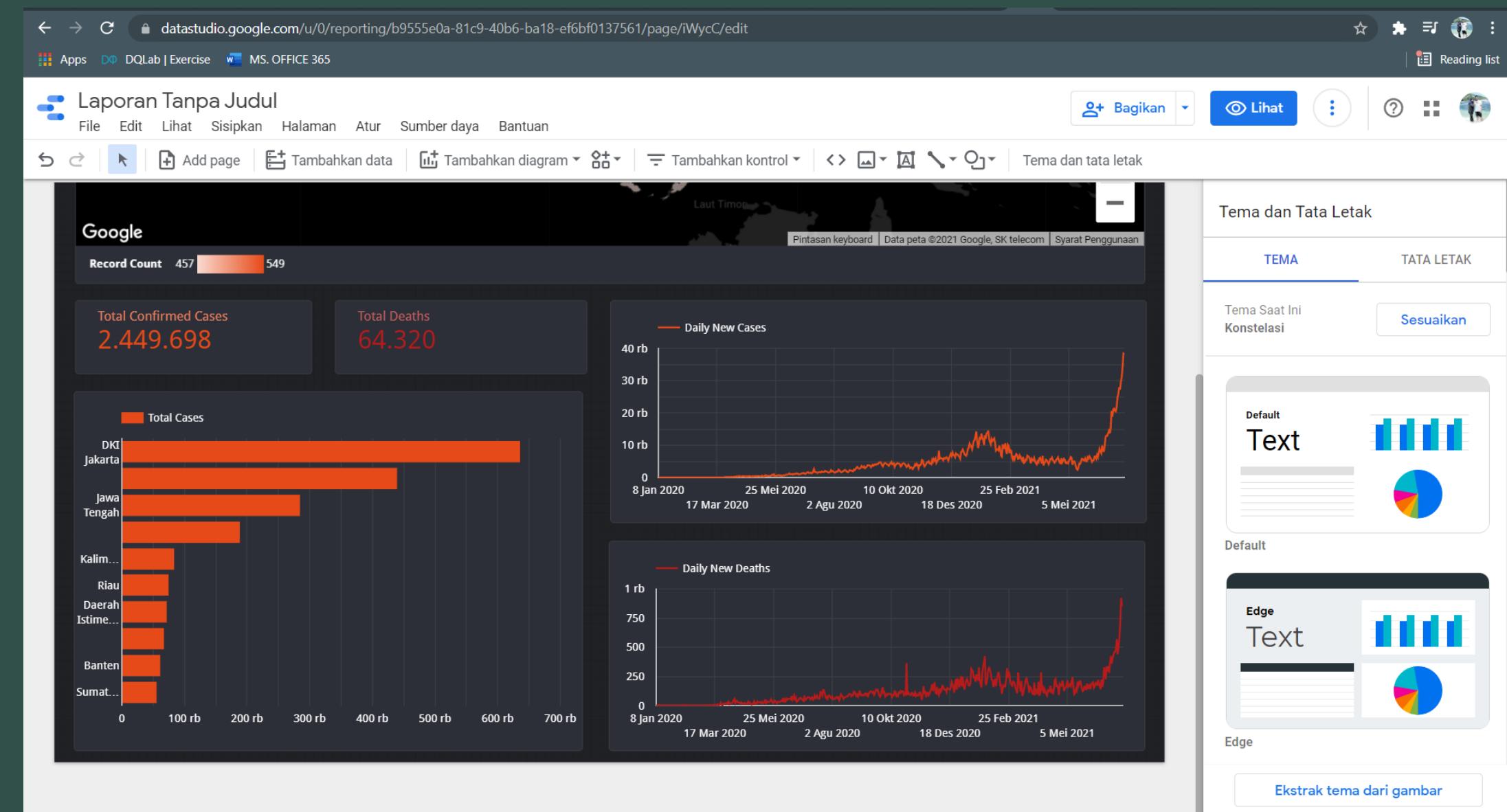
Lanjut kita menambahkan diagram Daily New Cases dan Daily New Deaths

# Step 21



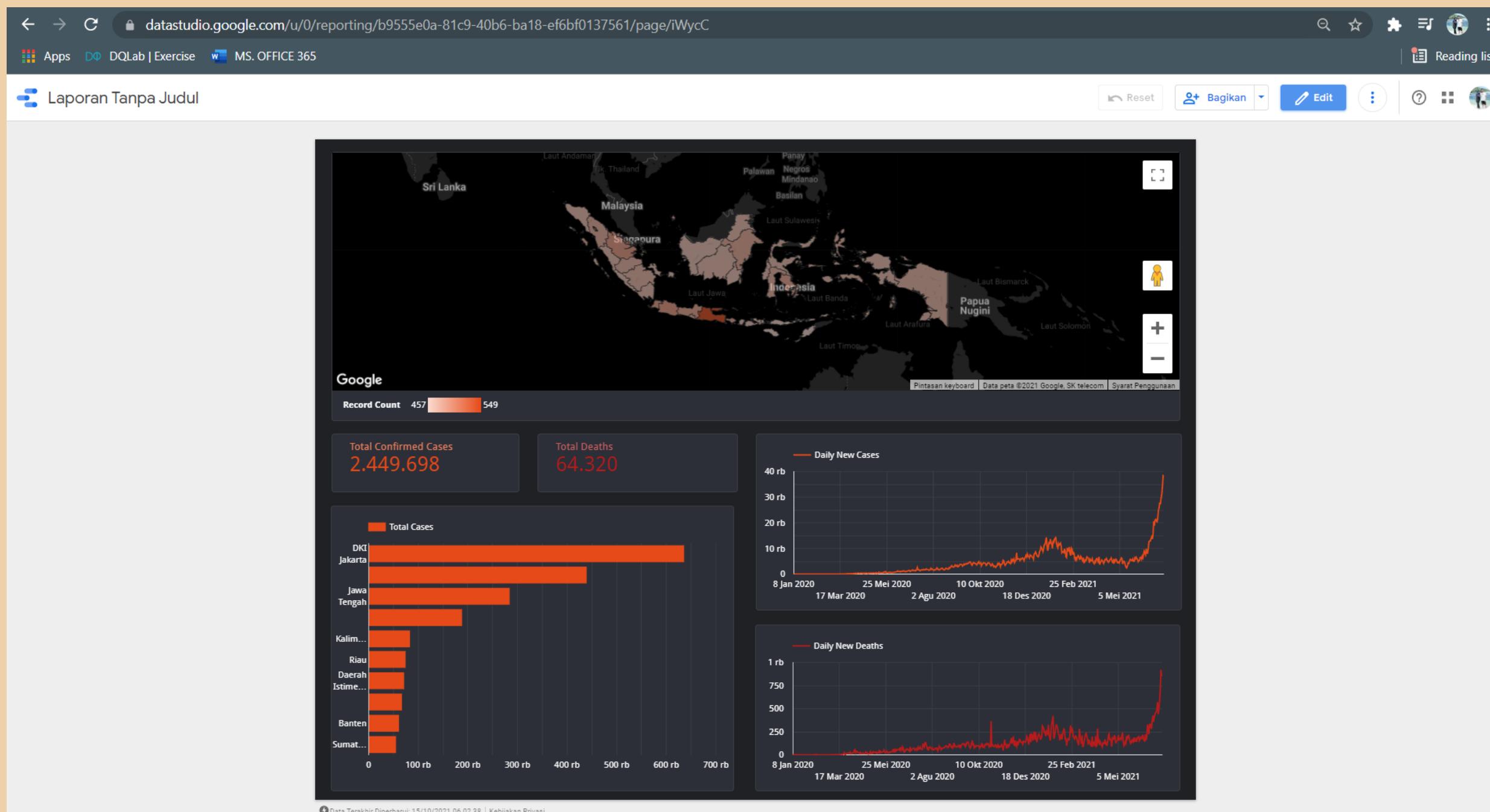
Lalu kita juga menambahkan diagram untuk memberikan informasi total cases dan total deaths.

# Step 22



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

# Step 23



Berikut tampilan dari Data Visualisasi COVID-19 di Indonesia.

# Referensi

- Video Youtube : [https://www.youtube.com/watch?v=Nq0MJ1pFl\\_A](https://www.youtube.com/watch?v=Nq0MJ1pFl_A)
- Dataset : <https://www.kaggle.com/hendratno/covid19-indonesiam> atau  
[https://raw.githubusercontent.com/riskydav/Belajar-Python/main/Data/covid\\_19\\_indonesia\\_time\\_series\\_all.csv](https://raw.githubusercontent.com/riskydav/Belajar-Python/main/Data/covid_19_indonesia_time_series_all.csv)
- Link Google Data Studio : <https://datastudio.google.com/reporting/b9555e0a-81c9-40b6-ba18-ef6bf0137561>