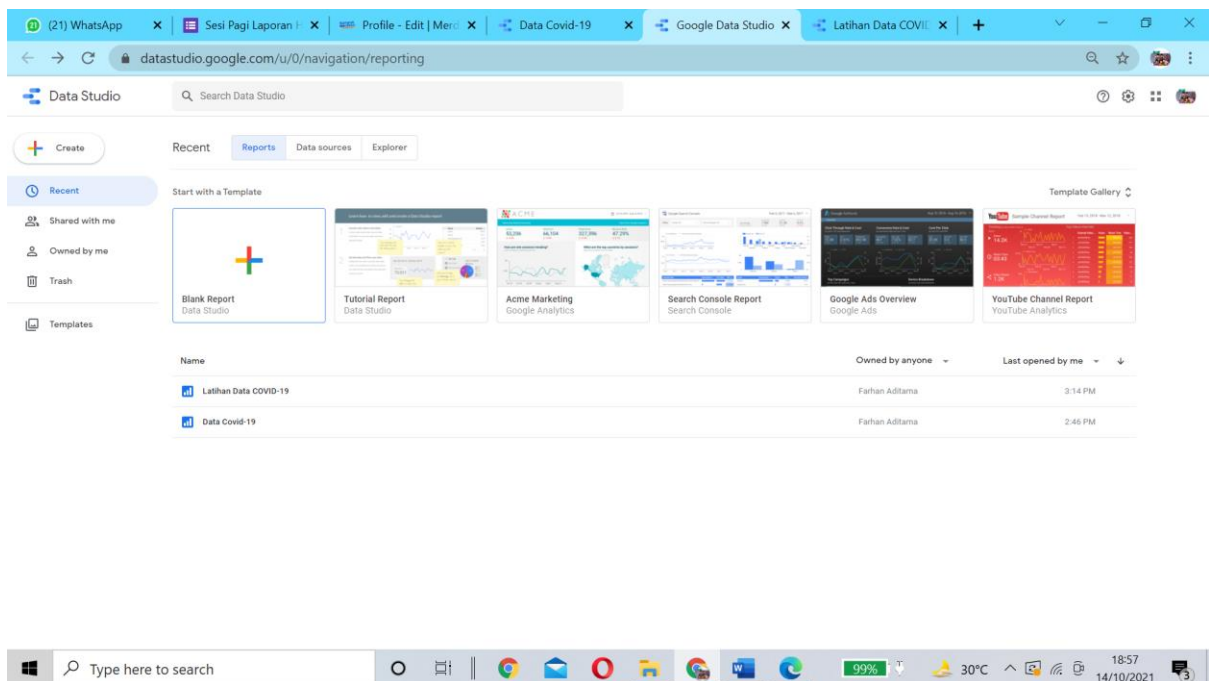


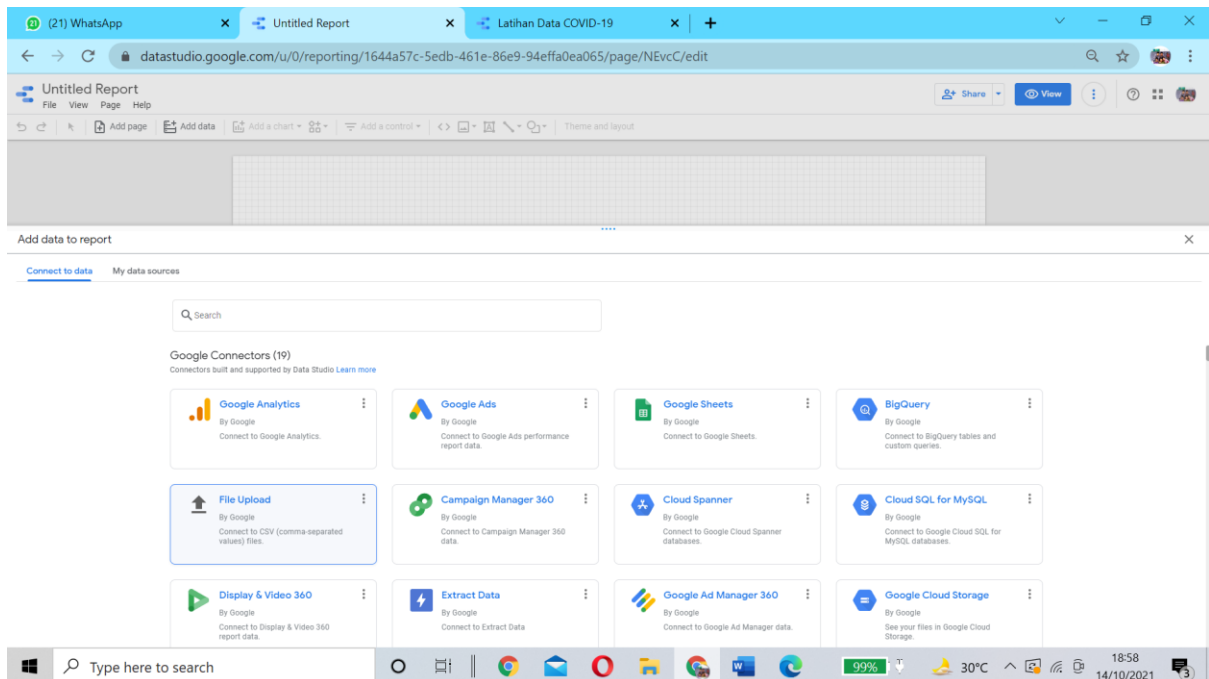
Nama : Muhammad Farhan Aditama
Universitas : Universitas Dirgantara Marsekal Suryadarma
Kelas : Guru

LANGKAH – LANGKAH VISUALISASI DATA COVID-19 DI INDONESIA MENGGUNAKAN GOOGLE DATA STUDIO

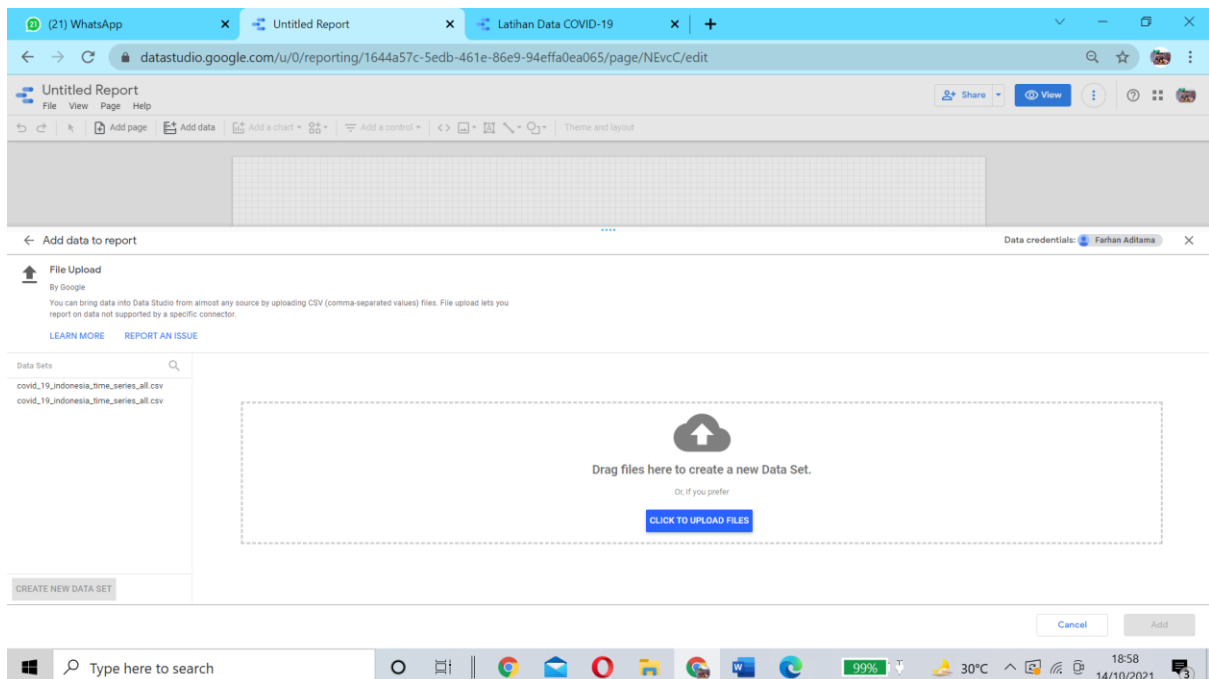
Langkah 1: Membuat lembar laporan baru dengan memilih *Blank Report*



Langkah 2: Kemudian pilih *File Upload* untuk upload file dalam bentuk csv



Langkah 3: Pilih file yang akan mau di upload



Langkah 4: Tunggu status sampai *Uploaded*, lalu pilih *Add*

The screenshot shows the Data Studio 'Add data to report' interface. The 'File Upload' section is active, showing the upload status of 'covid_19_indonesia_time_series_all.csv' as 'Uploaded'. The 'Add' button is highlighted.

File name	Uploaded at	Size	Status
covid_19_indonesia_time_series_all.csv	10/14/21 10:59 AM	4 MB	Uploaded

Langkah 5: Pilih Location dan drag ke bagian *Dimension* untuk menggantikan Location ISO Code

The screenshot shows the Data Studio 'Chart > Table' view. The 'Location ISO Code' is selected in the 'Dimension' field, and the 'Record Count' is selected in the 'Metric' field. The 'Add dimension' button is highlighted.

Location ISO Code	Record Count
1. ID-JI	569
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

Langkah 6: Pilih New Cases dan drag ke bagian *Metric* untuk menggantikan Record Count

The screenshot shows the Data Studio interface with a table of COVID-19 data. The table has two columns: 'Location' and 'Record Count'. The 'Record Count' column is highlighted, and the 'New Cases' metric is being added to the 'Metric' section of the right-hand panel. The 'Available Fields' list on the right includes 'New Cases' under the 'Metric' section.

Location	Record Count
1. Jawa Timur	549
2. DKI Jakarta	496
3. Indonesia	495
4. Jawa Barat	495
5. Riau	495
6. Banten	491
7. Jawa Tengah	489
8. Sulawesi Tenggara	487

Langkah 7: Kemudian pilih **ADD A FILTER**. Lalu pilih Exclude, Location, Contains dan Indonesia.

The screenshot shows the 'Filter picker' dialog box in Data Studio. The filter is set to 'Exclude' for the 'Location' dimension, with the condition 'Contains' and the value 'Indonesia'. The 'Name' field is filled with 'covid_19_indonesia_time_series_all.csv'. The 'Filter picker' dialog is open, and the 'CREATE A FILTER' button is visible.

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

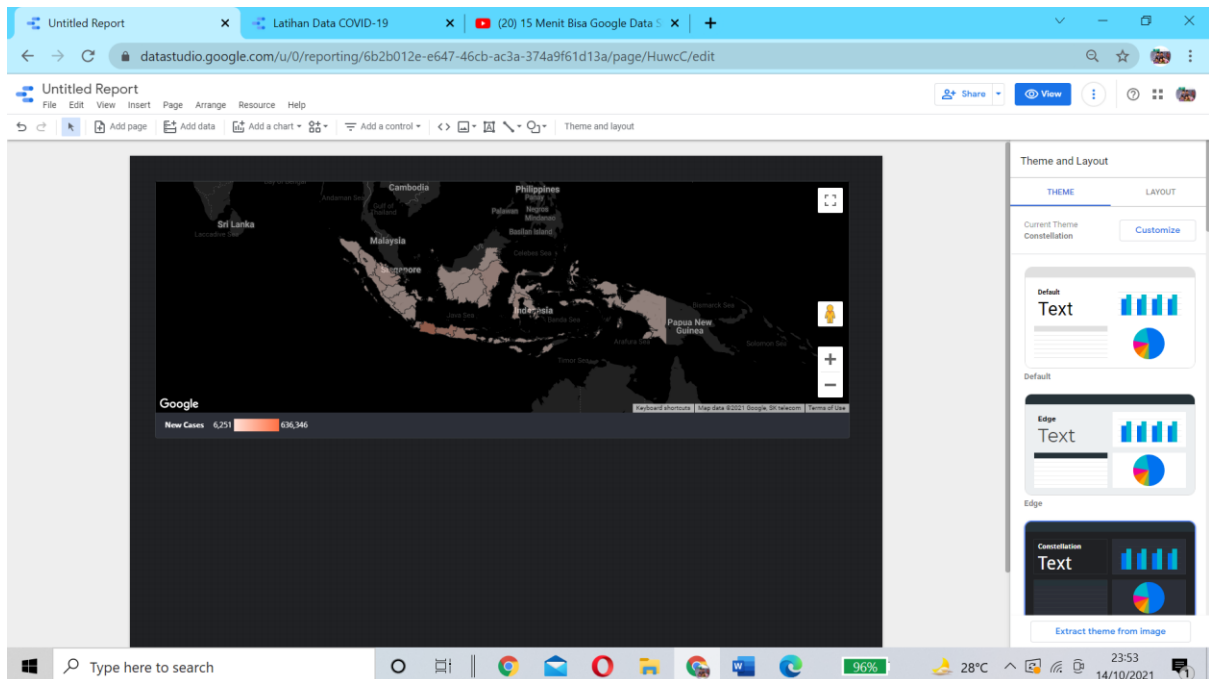
Langkah 8: Selanjutnya pilih gambar pencil di bagian *Data Source*. Kemudian di bagian *Province* ganti Text ke Geo dan pilih Country Subdivision (1st Level)

The screenshot shows the Data Studio interface with the 'Fields' panel on the left. The 'Province' field is selected, and the dropdown menu is open, showing 'Country subdivision (1st level)' as the selected option. The 'Data Source' is 'covid_19_indonesia_time_series_all.csv'. The 'Chart' panel on the right shows 'Google Maps' as the selected chart type.

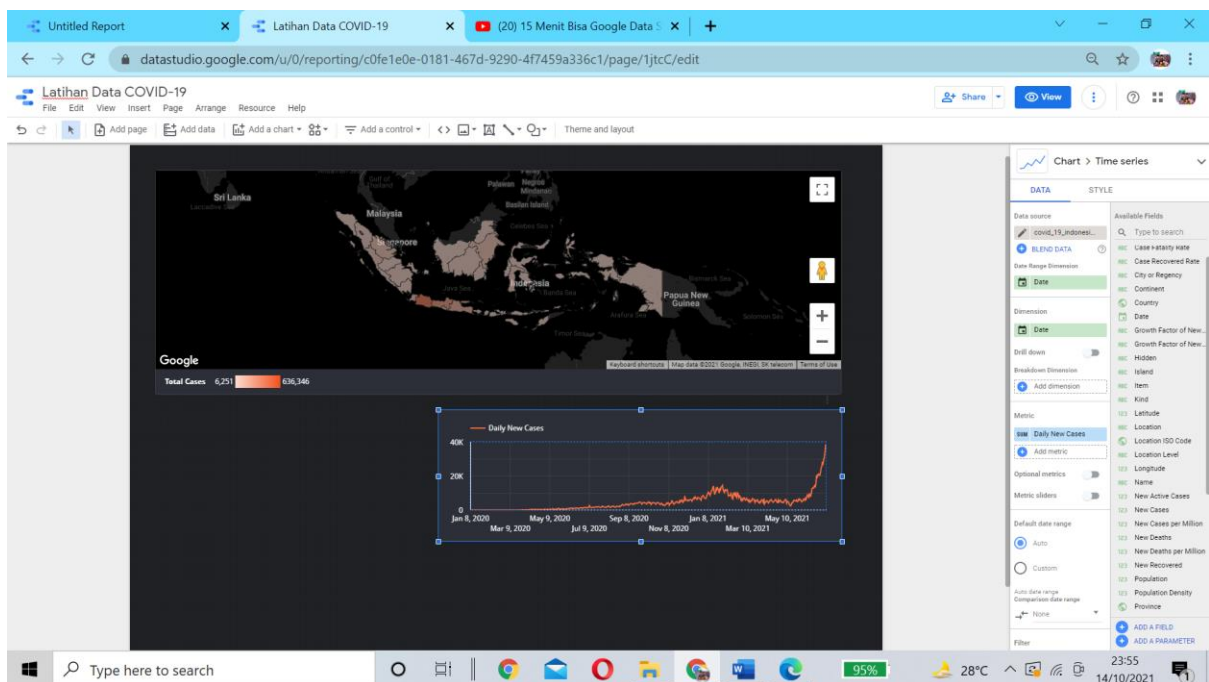
Langkah 9: Lalu ganti Chart menjadi *Filled Map*

The screenshot shows the Data Studio interface with the 'Filled Map' chart type selected in the 'Chart' panel. The map displays the geographical distribution of COVID-19 cases in Indonesia, with a color scale for 'New Cases' ranging from 6,251 to 636,346. The 'Fields' panel on the left shows 'Province' selected, and the 'Data' panel on the right shows 'New Cases' as the selected dimension.

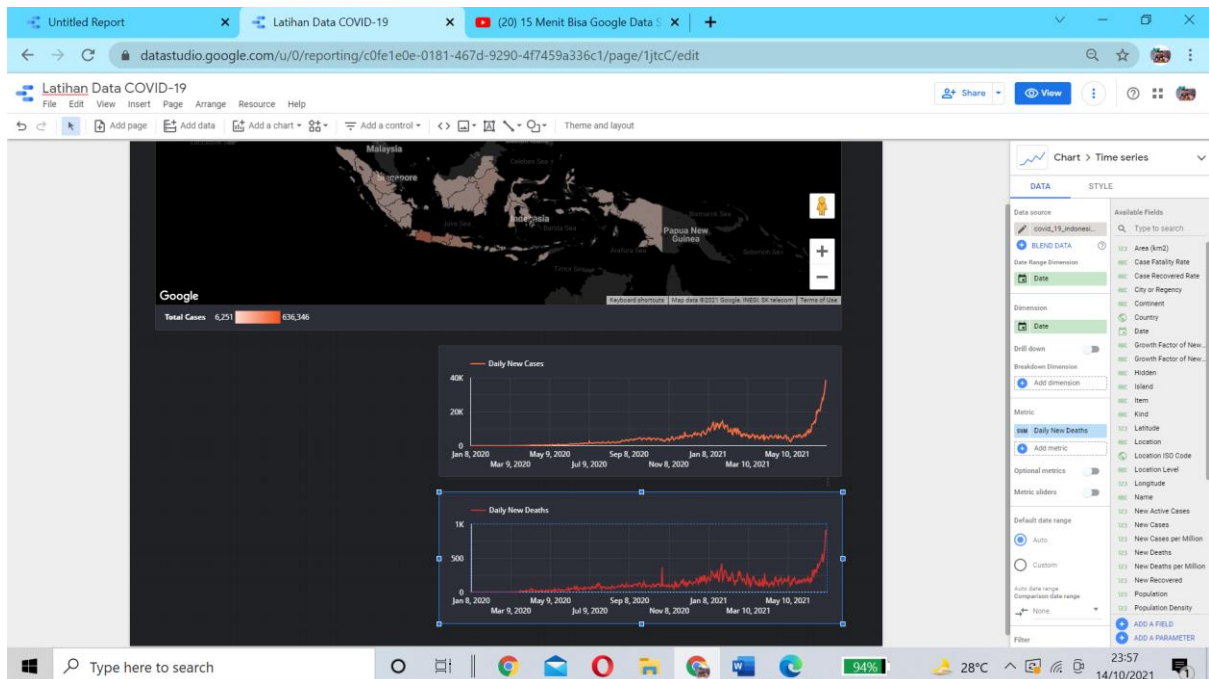
Langkah 10: Kemudian di bagian Theme pilih Constellation (Opsional)



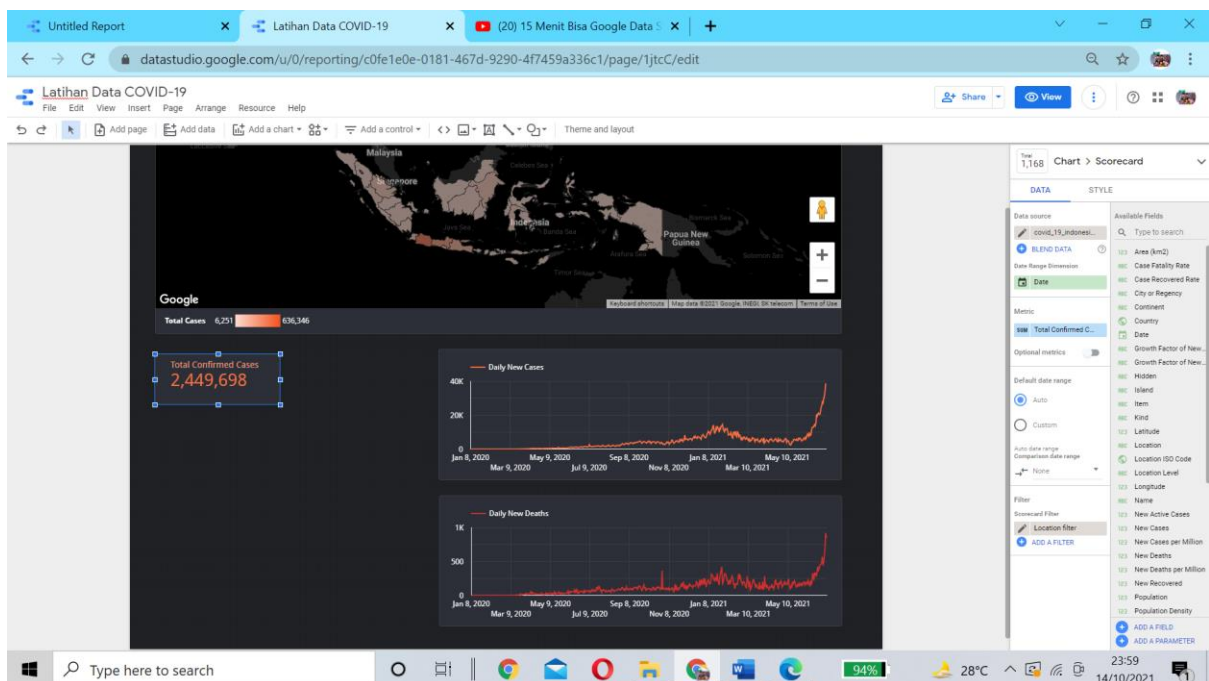
Langkah 11: Untuk menambah variasi visualiasasi data tambahkan Chart Time Series untuk data *Daily New Cases*



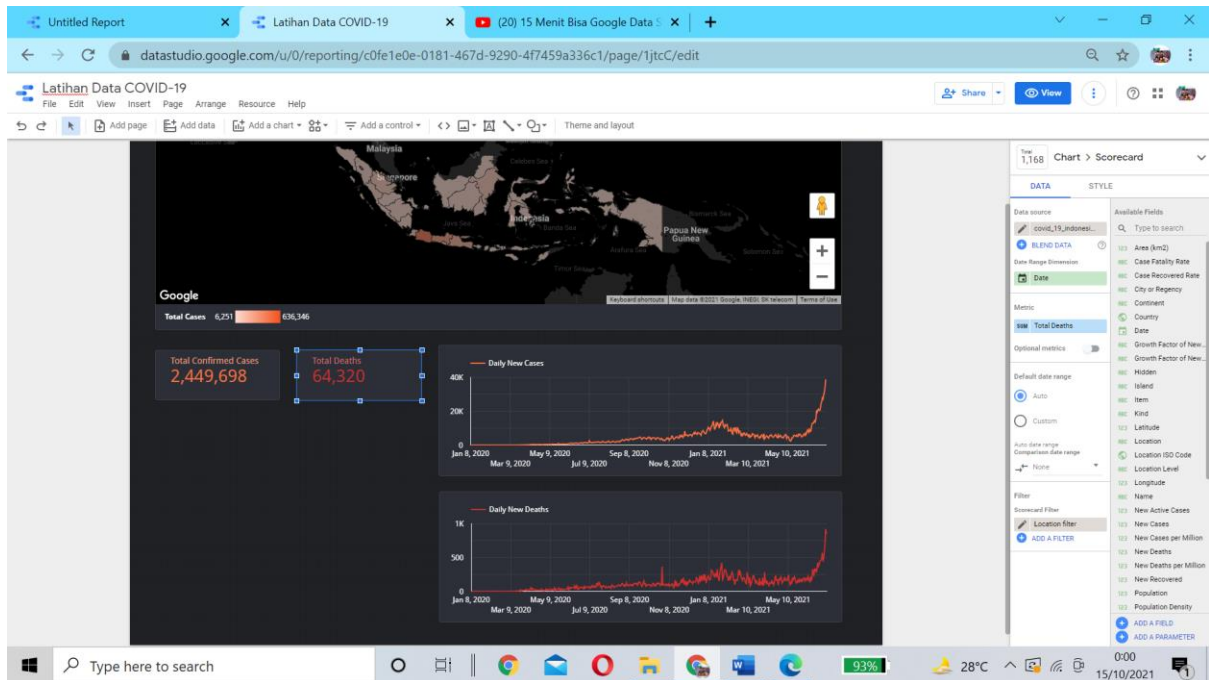
Langkah 12: Untuk menambah variasi visualisasi data tambahkan Chart Time Series untuk data *Daily New Deaths*



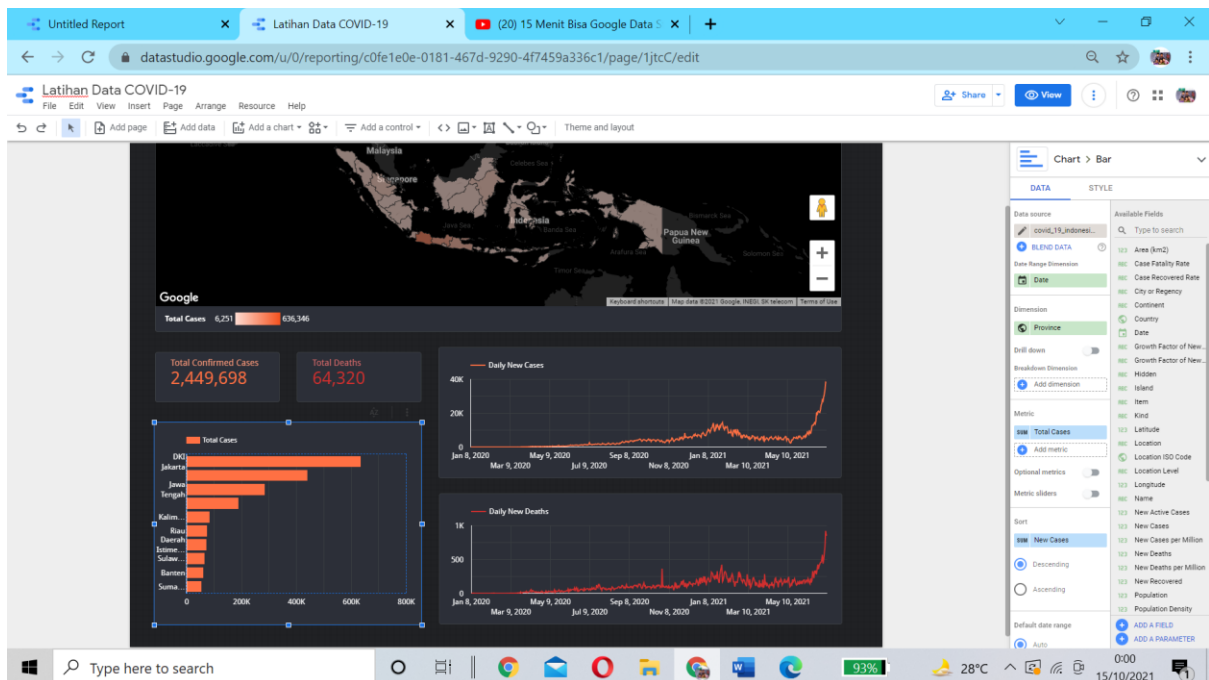
Langkah 13: Tambahkan Chart Scorecard untuk mengetahui Total Confirmed Cases



Langkah 14: Tambahkan Chart Scorecard untuk mengetahui Total Deaths



Langkah 15: Terakhir, tambahkan Chart Bar untuk mengetahui Total Cases dari setiap Provinsi



Berikut Hasil Visualisasi Data COVID-19 di Indonesia Menggunakan Google Data Studio



Referensi Pembelajaran: https://www.youtube.com/watch?v=Nq0MJ1pFI_A

Dataset: https://raw.githubusercontent.com/jumadi-cloud/Fundamental-Python/main/Dataset/covid_19_indonesia_time_series_all.csv

Google Data Studio: <https://datastudio.google.com/>