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[BigQuery – binar-sql-challenge... – Google Cloud console](#)

1. <https://console.cloud.google.com/bigquery?sq=728783214625:56ca504caf6e4b22848afd29d296ab3c>

The screenshot shows the Google Cloud BigQuery console interface. At the top, there's a navigation bar with the Google Cloud logo and a search bar. Below it, a sidebar on the left contains icons for various BigQuery features. The main area displays a query editor with the following SQL code:

```
1 select Province
2 ,sum(New_Active_Cases) as total_kasus_baru
3 from `binar-sql-challenge-1-388516.dataset_covid19.covid`
4 where Location_Level='Province'
5 group by Province
6 order by total_kasus_baru desc
```

Below the query editor, the 'Query results' section is visible, showing a table with 8 rows and 2 columns: 'Province' and 'total_kasus_baru'. The table data is as follows:

Row	Province	total_kasus_baru
1	Jawa Barat	13496
2	DKI Jakarta	10922
3	Banten	2558
4	Jawa Tengah	1423
5	Jawa Timur	1136
6	Daerah Istimewa Yogya...	669
7	Sumatera Utara	664
8	Sulawesi Utara	565

The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock indicating 22:51 on 16/03/2023.

2. <https://console.cloud.google.com/bigquery?sq=728783214625:ceb7b51e5cb14a368009d4845449b83e>

The screenshot shows the Google Cloud BigQuery console interface. At the top, there's a navigation bar with the Google Cloud logo and a search bar. Below it, a sidebar on the left contains icons for various BigQuery features. The main area displays a query editor with the following SQL code:

```
1 select Location_ISO_Code
2 ,min(Total_Deaths) as min_total_kematian
3 from
4 `binar-sql-challenge-1-388516.dataset_covid19.covid`
5 group by Location_ISO_Code
6 order by min_total_kematian asc
7 LIMIT 2
```

Below the query editor, the 'Query results' section is visible, showing a table with 2 rows and 2 columns: 'Location_ISO_Code' and 'min_total_kematian'. The table data is as follows:

Row	Location_ISO_Code	min_total_kematian
1	IDN	0
2	ID-AC	0

The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock indicating 22:52 on 16/03/2023.

3. <https://console.cloud.google.com/bigquery?sq=728783214625:e3795506356b48d68cee1dd362da7d04>

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Challenge No 3

```
1 select Date
2 ,max(Case_Recovered_Rate) as max_rate_recovered
3 ,sum(Case_Recovered_Rate) as sum_rate_recovered
4 from `binar-sql-challenge-1-380516.dataset_covid19_covid`
5 group by Date
```

Query results

Row	Date	max_rate_recovered	sum_rate_recovered
1	2020-03-26	28.0	80.5075
2	2020-03-28	13.0	48.674400000000...
3	2020-04-01	5.8571	22.250600000000...
4	2020-04-08	2.405	13.862700000000...
5	2020-04-09	2.25	14.7151
6	2020-04-10	2.1396	13.7666
7	2020-04-11	2.1238	12.8874
8	2020-04-12	1.916699999999...	11.770800000000...

4. <https://console.cloud.google.com/bigquery?sq=728783214625:7397b4638a7e449fbb8ac93f70eb2c4e>

Challenge No 4

```
1 select Location_ISO_Code
2 ,sum(Case_Fatality_Rate) as total_case_fatality_rate
3 ,sum(Case_Recovered_Rate) as total_case_recovered_rate
4 from `binar-sql-challenge-1-380516.dataset_covid19_covid`
5 group by Location_ISO_Code
6 order by total_case_fatality_rate, total_case_recovered_rate asc
```

Query results

Row	Location_ISO_Code	total_case_fatality_rate	total_case_recovered_rate
1	ID-KU	14.2850000...	733.726599...
2	ID-NT	15.9345000...	700.820799...
3	ID-PA	16.8953000...	608.232600...
4	ID-JA	17.3267999...	760.529200...
5	ID-SG	19.6686999...	741.664400...
6	ID-KB	20.5609999...	771.573799...
7	ID-SR	21.7556000...	732.872299...
8	ID-SN	22.4574000...	775.297400...

5. <https://console.cloud.google.com/bigquery?sq=728783214625:059bf46a02494c6c9ea575d5a6dc2704>

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The screenshot shows the Google Cloud BigQuery console interface. The browser tabs include 'logo covid', 'Challenge', 'BigQuery', 'Welcome', 'Tugas Kelo', 'FGA2023', 'Materi bar', 'Data Sci', and 'Query res'. The URL is <https://console.cloud.google.com/bigquery/project=binar-sql-challenge-1-380516&ws=1m51m4l1m3l1sbinar-sql-chall...>. The project is 'binar-sql-challenge-1'. A notification banner at the top says 'SANDBOX Set up billing to upgrade to the full BigQuery experience. Learn more'. The query editor shows a query for 'Challenge No 5':

```
1 select Date
2 from `binar-sql-challenge-1-380516.dataset_covid19.covid`
3 where Total_Deaths >=30000
```

The query is completed. The 'Query results' section shows a table with 9 rows and 1 column 'Date'.

Row	Date
1	2021-02-01
2	2021-02-02
3	2021-02-03
4	2021-02-04
5	2021-02-05
6	2021-02-06
7	2021-02-07
8	2021-02-08
9	2021-02-09

The bottom status bar shows 'Results per page: 50' and '1 - 50 of 1151'. The system clock shows 22:54 on 16/03/2023.

6. <https://console.cloud.google.com/bigquery?sq=728783214625:69d5c1c43df7415b99b9c4b8fc5a8552>

The screenshot shows the Google Cloud BigQuery console interface. The browser tabs are the same as the previous screenshot. The URL is <https://console.cloud.google.com/bigquery/project=binar-sql-challenge-1-380516&ws=1m51m4l1m3l1sbinar-sql-chall...>. The project is 'binar-sql-challenge-1'. A notification banner at the top says 'SANDBOX Set up billing to upgrade to the full BigQuery experience. Learn more'. The query editor shows a query for 'Challenge No 6':

```
1 select count(*) as banyak_kasus_berjumlah_lebih_3000
2 from `binar-sql-challenge-1-380516.dataset_covid19.covid`
3 where Total_Cases>=30000
```

The query is completed. The 'Query results' section shows a table with 1 row and 1 column 'banyak_kasus_berjumlah_lebih_3000'.

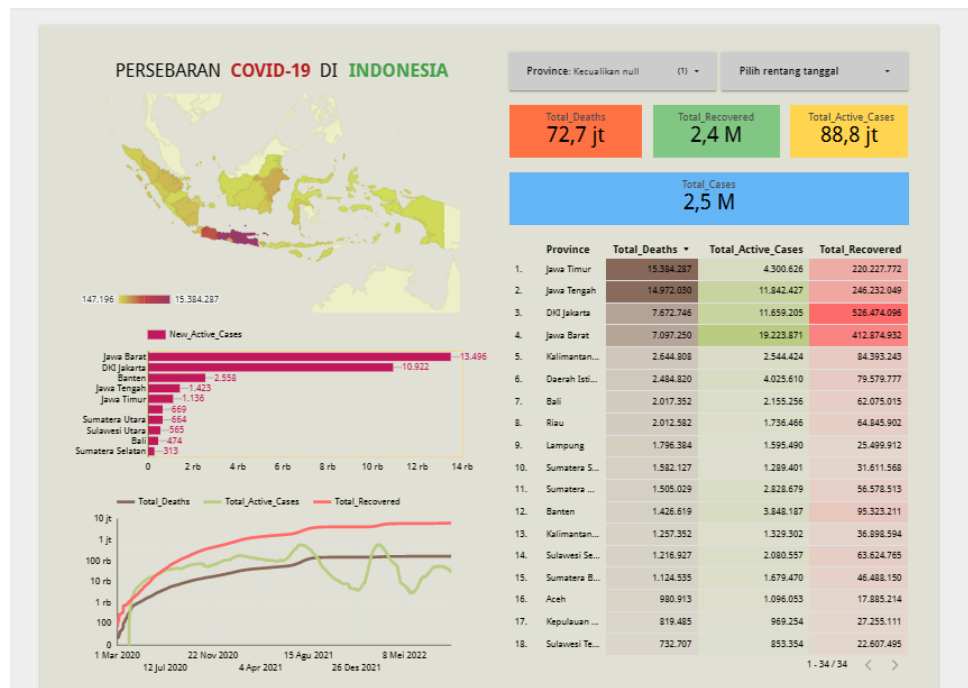
Row	banyak_kasus_berjumlah_lebih_3000
1	14399

The bottom status bar shows 'Results per page: 50' and '1 - 50 of 1151'. The system clock shows 22:54 on 16/03/2023.

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Dashboard

<https://lookerstudio.google.com/reporting/cd41f69e-9144-45d7-8d57-8933136d3984>



Berdasarkan dashboard sebaran Covid-19 di Indonesia terpantau memiliki total 5,1 Miliar kasus positif Covid-19. Status mereka adalah sebagai berikut :

179 Juta Kasus Aktif
145,3 Juta Meninggal Dunia
4,7 Miliar Telah Pulih

Provinsi Jawa Barat merupakan daerah dengan Total Kasus Aktif terbanyak di Indonesia yaitu mencapai 19.223.871 kasus. Sementara Provinsi Jawa Timur menduduki peringkat 1 dengan Total Kematian tertinggi yaitu sebesar 15.384.287 kematian, kemudian dilanjut Provinsi Jawa Tengah dan DKI Jakarta masing-masing sebesar 14.972.030 dan 7.672.746. Sedangkan daerah dengan tingkat kesembuhan paling tinggi berada di Provinsi DKI Jakarta yakni sebesar 526.474.096 telah pulih.

Berdasarkan analisis time series dari waktu ke waktu, tingkat kasus aktif mengalami fluktuasi naik turun, sedangkan tingkat kematian dan kesembuhan cenderung meningkat seiring berjalannya waktu.