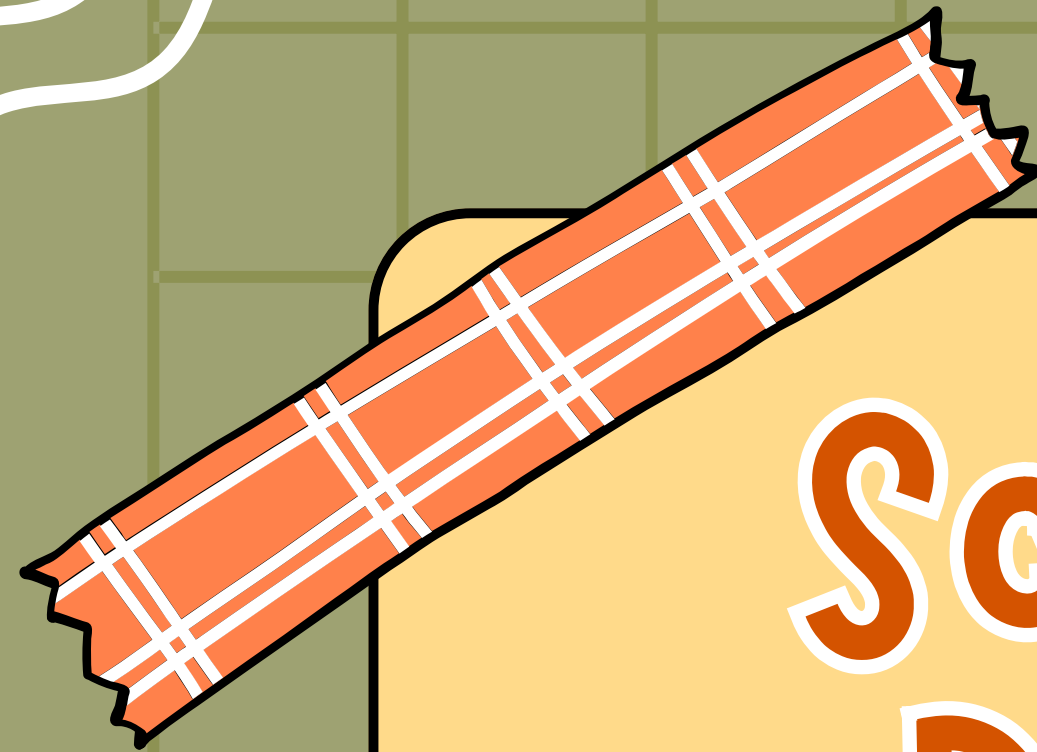
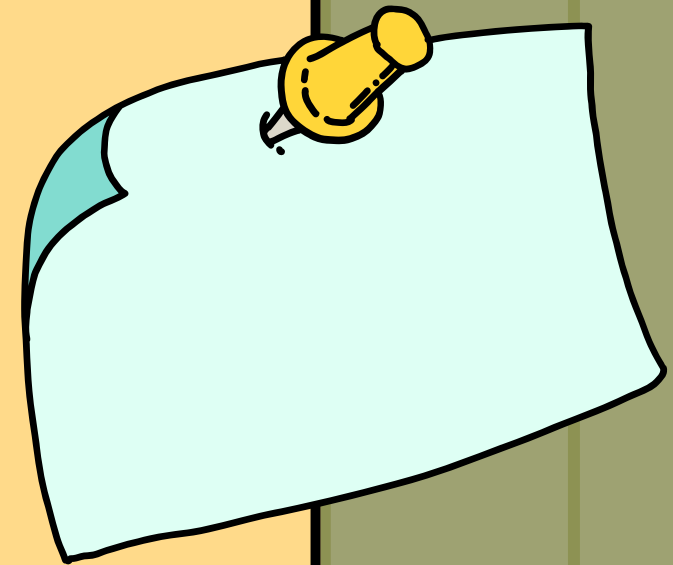
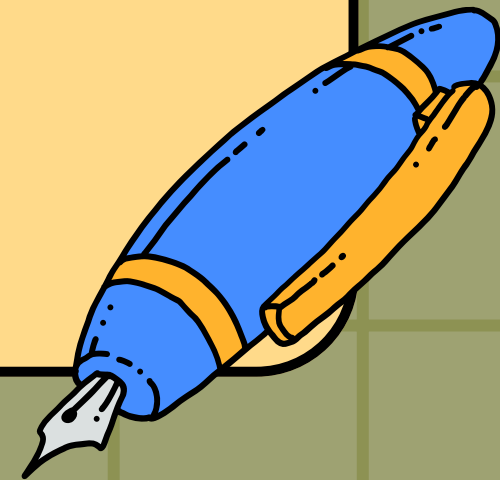


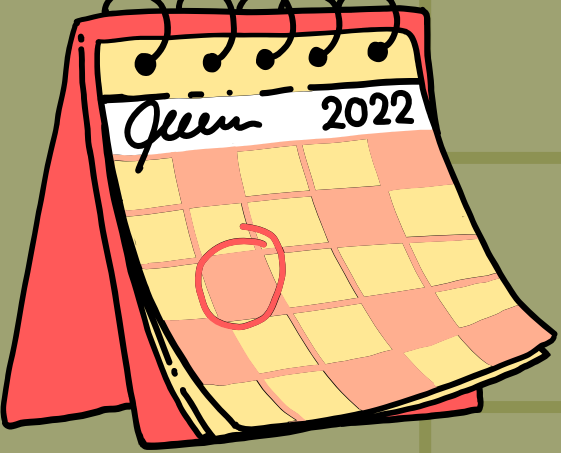
Screening Test Data Analyst

Oleh Hanif Naufal Rafandi



Soal Screening Test

1. Buatlah ERD (Entity Relationship Diagram) dari 3 tabel tersebut!
2. Buatlah query yang menunjukkan:
 - a. Total transaksi dari masing-masing customer.
 - b. Total transaksi dari masing-masing kota.
 - c. Lakukanlah EDA (Exploratory Data Analysis) pada data tersebut melalui MySQL.
 - d. Ceritakan bagaimana keadaan dari perusahaan tersebut. Nilai tambah jika melakukan visualisasi dari data yang di-extract dari query MySQL

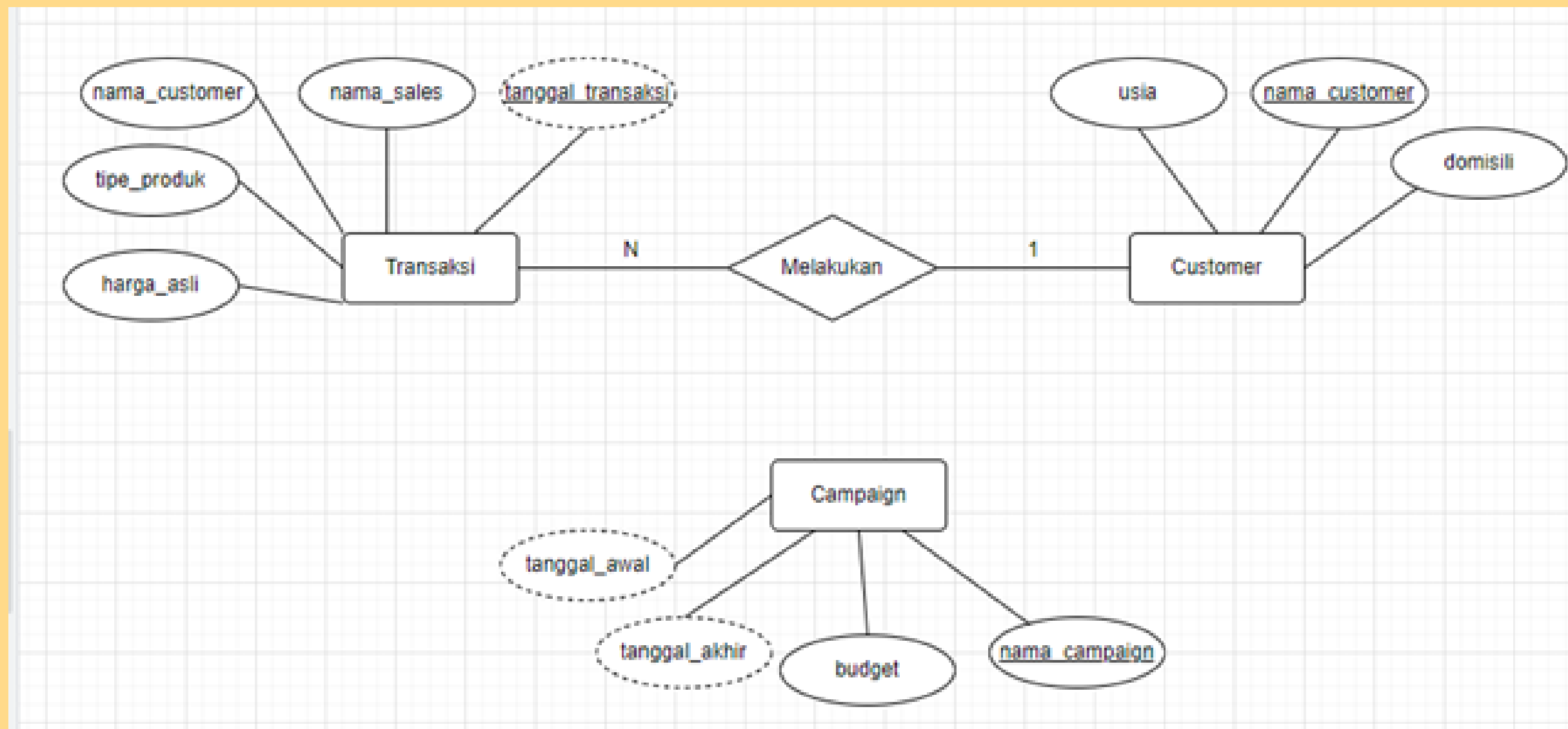


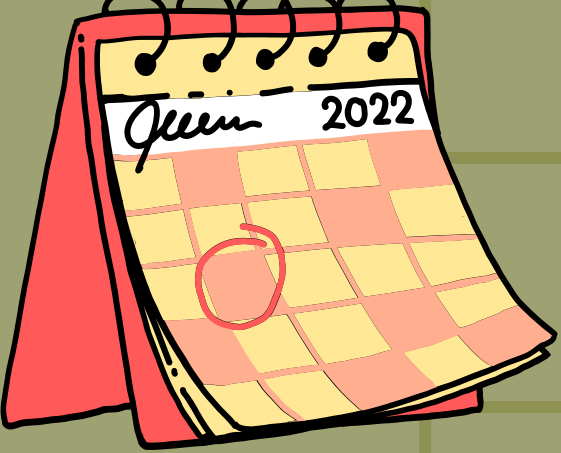
Pembuatan ERD

1

Transaction ERD

dengan tools draw io



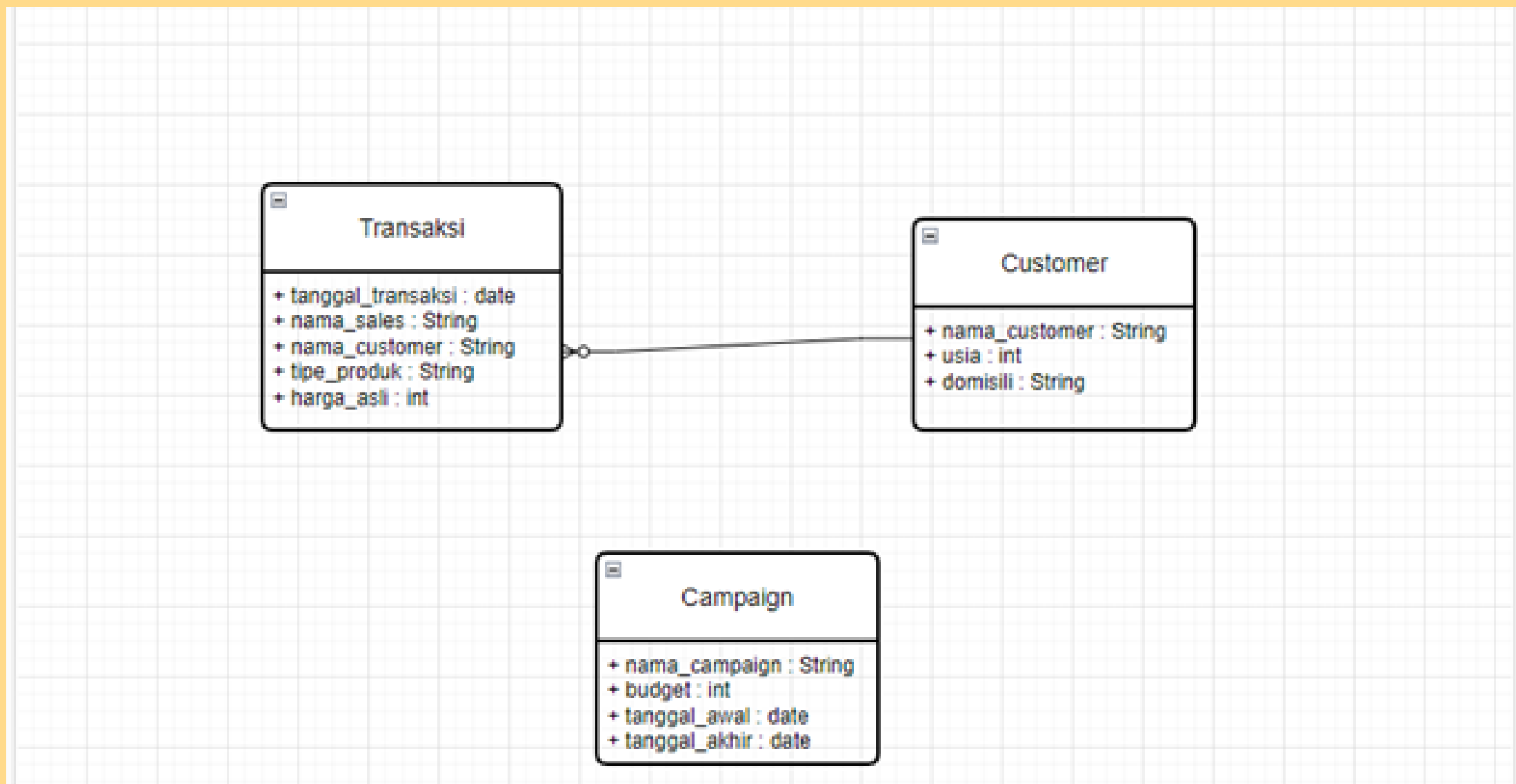


Pembuatan Relasi

2

Transaction Relasi

dengan tools draw io

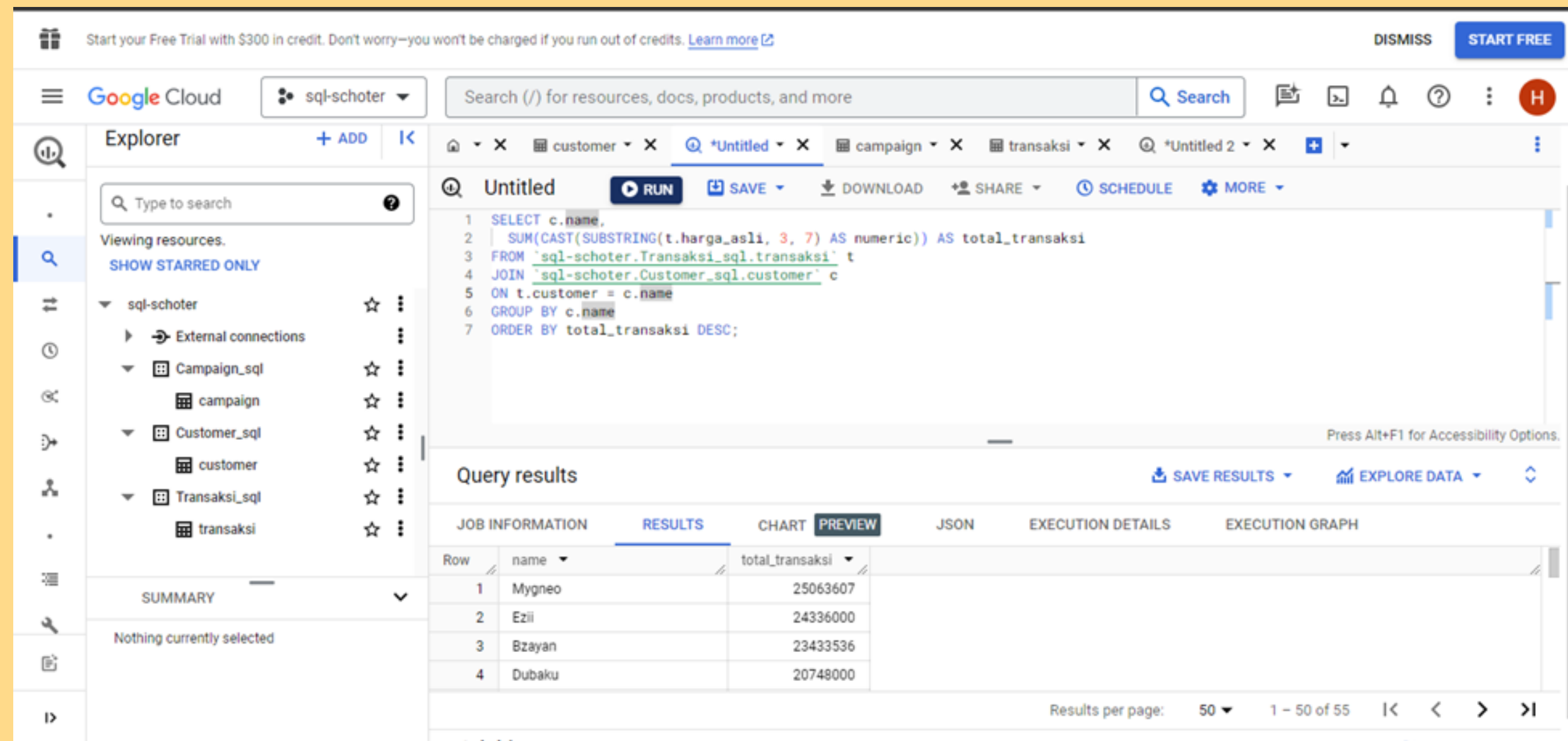


Pembuatan Query

3

Query SQL Nama Customer

dengan tools Google BigQuery



The screenshot displays the Google Cloud BigQuery console. The left sidebar shows the 'Explorer' view with a tree structure of resources under the project 'sql-schoter'. The main area shows a query editor with a SQL query that selects customer names and calculates the total transaction amount for each customer. The query results are displayed in a table below the editor.

```
1 SELECT c.name,  
2    SUM(CAST(SUBSTRING(t.harga_asli, 3, 7) AS numeric)) AS total_transaksi  
3 FROM `sql-schoter.Transaksi_sql.transaksi` t  
4 JOIN `sql-schoter.Customer_sql.customer` c  
5 ON t.customer = c.name  
6 GROUP BY c.name  
7 ORDER BY total_transaksi DESC;
```

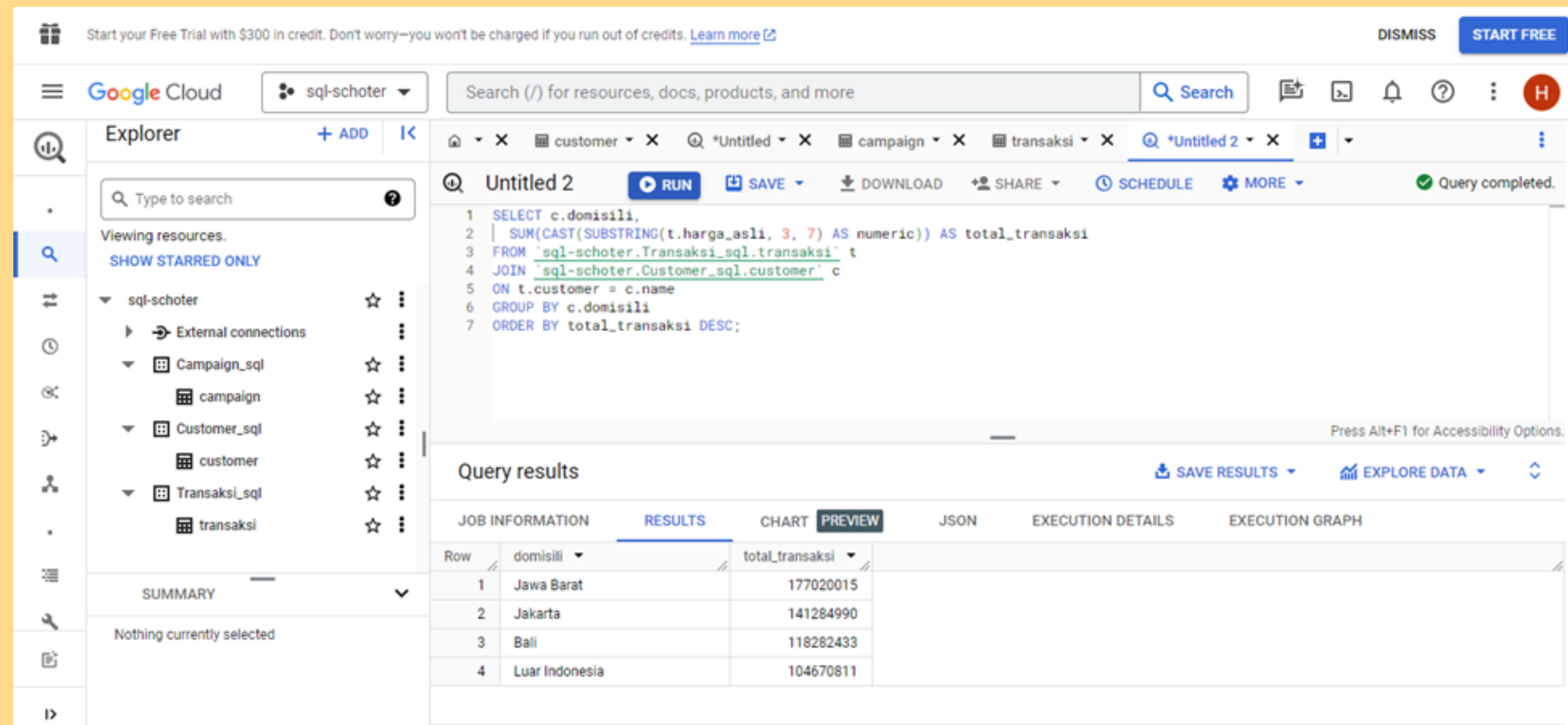
Row	name	total_transaksi
1	Mygneo	25063607
2	Ezili	24336000
3	Bzayan	23433536
4	Dubaku	20748000

Pembuatan Query

4

Query SQL Domisili

dengan tools Google BigQuery



The screenshot displays the Google Cloud BigQuery console. The top navigation bar includes the Google Cloud logo, a project selector (sql-schoter), and a search bar. The left sidebar shows the Explorer view with a tree of resources: sql-schoter, External connections, Campaign_sql, Customer_sql, and Transaksi_sql. The main editor area shows a SQL query in a file named 'Untitled 2'. The query is as follows:

```
1 SELECT c.domisili,  
2 | SUM(CAST(SUBSTRING(t.harga_asli, 3, 7) AS numeric)) AS total_transaksi  
3 FROM `sql-schoter.Transaksi_sql.transaksi` t  
4 JOIN `sql-schoter.Customer_sql.customer` c  
5 ON t.customer = c.name  
6 GROUP BY c.domisili  
7 ORDER BY total_transaksi DESC;
```

Below the query editor, the 'Query results' section is visible, showing a table with 2 columns: 'domisili' and 'total_transaksi'. The table contains 4 rows of data:

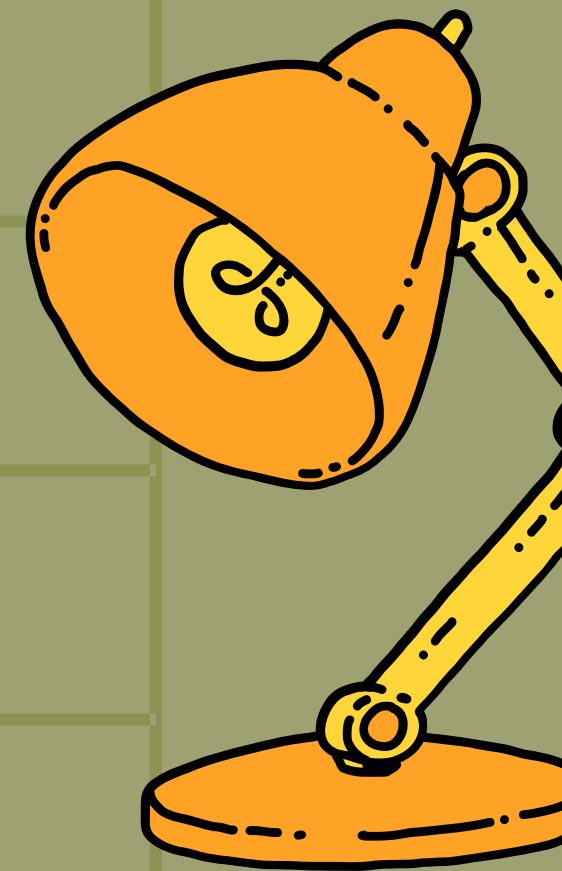
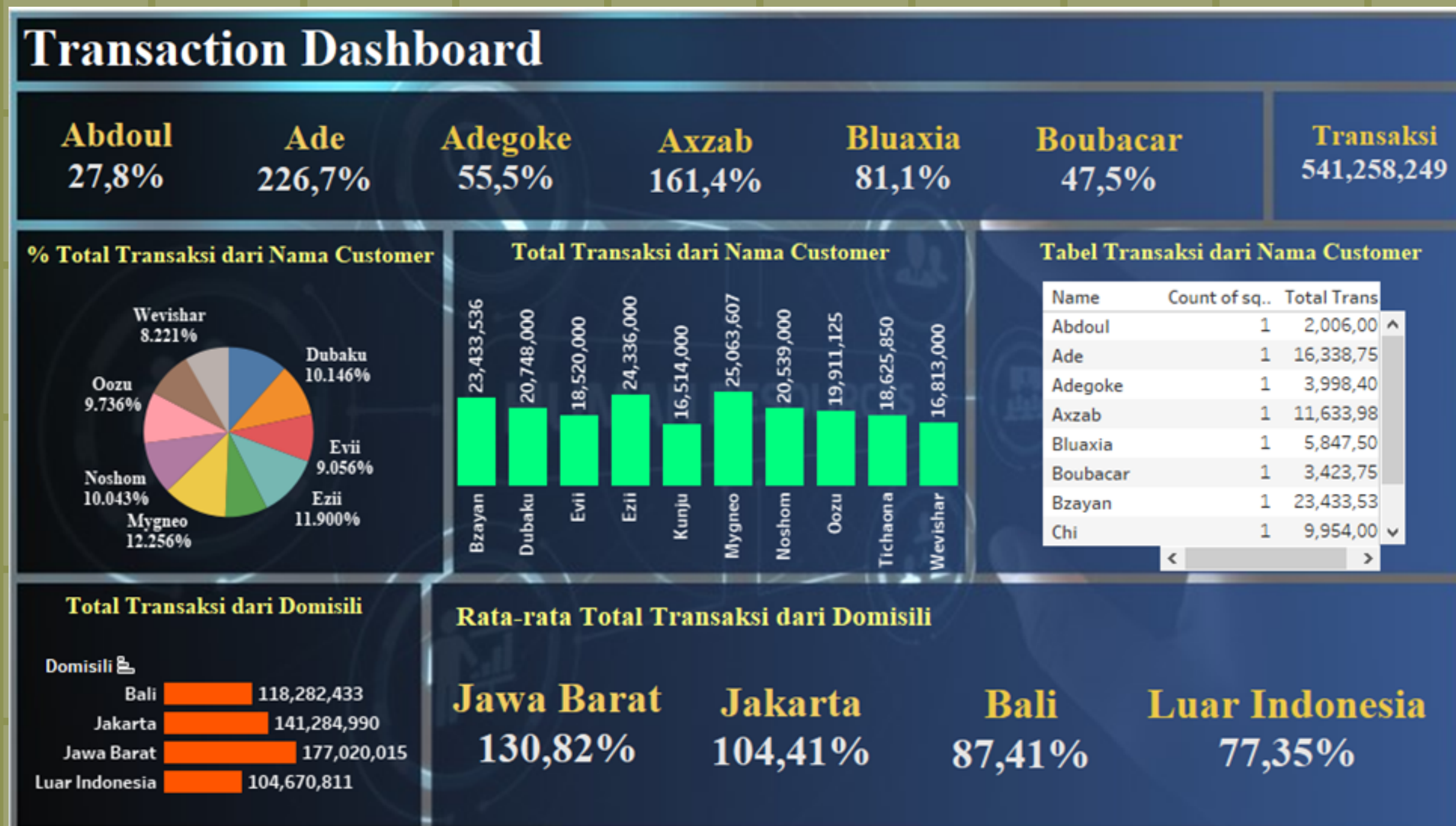
Row	domisili	total_transaksi
1	Jawa Barat	177020015
2	Jakarta	141284990
3	Bali	118282433
4	Luar Indonesia	104670811

Visualisasi Data

5

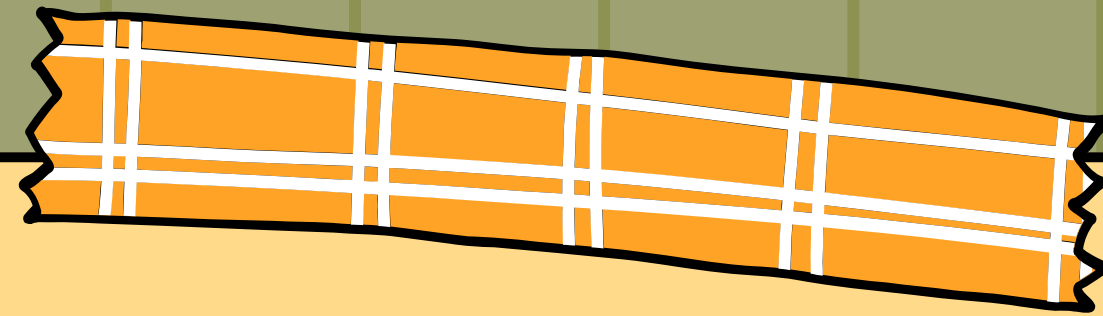
Visualisasi Dashboard

dengan tools Tableau



Penjelasan

Adanya relasi antara tabel transaksi dan customer dimana, satu customer dapat melakukan banyak transaksi, sedangkan tabel campaign tidak berhubungan dengan tabel transaksi maupun tabel customer. Pada data yang diberikan % rata-rata total transaksi berdasarkan domisili tertinggi di daerah Jawa Barat, sedangkan jumlah total transaksi berdasarkan nama customer tertinggi diraih oleh Mygneo dengan total 25,063,607



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