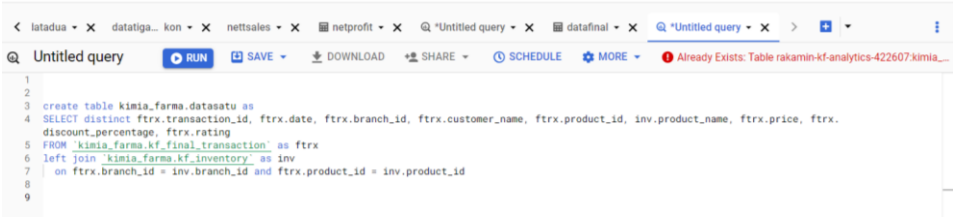
Andina Audrey Az Zahra
PBI Rakamin – Big Data Analyst Kimia Farma

Langkah dan Query Pembuatan Tabel Analisa Kimia Farma

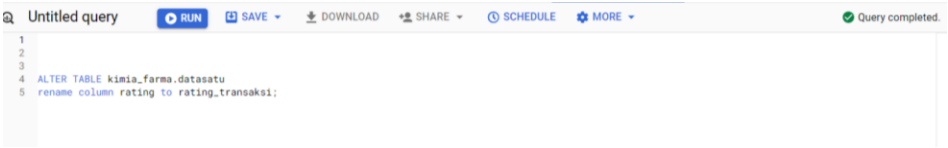
1. Membuat tabel baru dengan menggabungkan tabel kf_final_transaction dan kf_inventory
   Query:

```
create table kimia_farma.datasatu as
SELECT distinct ftrx.transaction_id, ftrx.date, ftrx.branch_id, ftrx.customer_name,
ftrx.product_id, inv.product_name, ftrx.price, ftrx.discount_percentage, ftrx.rating
FROM `kimia_farma.kf_final_transaction` as ftrx
left join `kimia_farma.kf_inventory` as inv
on ftrx.branch_id = inv.branch_id and ftrx.product_id = inv.product_id
```



2. Mengubah nama kolom di tabel datasatu, dari rating menjadi rating_transaksi
   Query:

```
ALTER TABLE kimia_farma.datasatu
rename column rating to rating_transaksi;
```

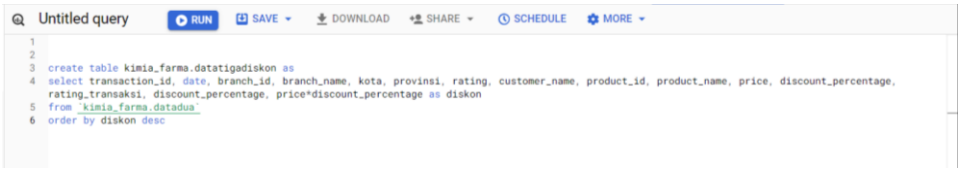


3. Membuat tabel baru dengan menggabungkan tabel datasatu dan kf_kantor_cabang
   Query:

```
create table kimia_farma.datadua as
SELECT satu.transaction_id, satu.date, satu.branch_id,kc.branch_name, kc.kota,
kc.provinsi, kc.rating, satu.customer_name, satu.product_id, satu.product_name,
satu.price, satu.discount_percentage, satu.rating_transaksi
FROM `kimia_farma.datasatu` as satu
left join `kimia_farma.kf_kantor_cabang` as kc
on satu.branch_id = kc.branch_id
```

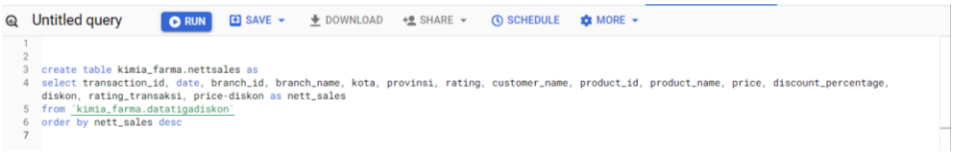
4. Membuat tabel baru dengan menambah kolom dan menghitung besar diskon
   Query:

```
create table kimia_farma.datatigadiskon as
select transaction_id, date, branch_id, branch_name, kota, provinsi, rating,
customer_name, product_id, product_name, price, discount_percentage,
rating_transaksi, discount_percentage, price*discount_percentage as diskon
from `kimia_farma.datadua`
order by diskon desc
```



5. Membuat tabel baru dengan menambah kolom dan menghitung besar net sales
   Query:

```
create table kimia_farma.nettsales as
select transaction_id, date, branch_id, branch_name, kota, provinsi, rating,
customer_name, product_id, product_name, price, discount_percentage, diskon,
rating_transaksi, price-diskon as nett_sales
from `kimia_farma.datatigadiskon`
order by nett_sales desc
```



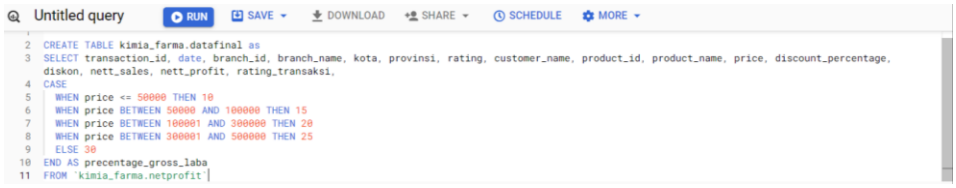
6. Membuat tabel baru dengan menambah kolom dan menghitung besar net profit
   Query:

```
create table kimia_farma.netprofit as
select transaction_id, date, branch_id, branch_name, kota, provinsi, rating,
customer_name, product_id, product_name, price, discount_percentage, diskon,
nett_sales, rating_transaksi, price-nett_sales as nett_profit
from `kimia_farma.nettsales`
order by nett_profit desc
```

7. Membuat tabel baru dengan menambah kolom dan menentukan percentage gross laba sesuai syarat yang ditentukan

   Query:

```
CREATE TABLE kimia_farma.datafinal as
SELECT transaction_id, date, branch_id, branch_name, kota, provinsi, rating,
customer_name, product_id, product_name, price, discount_percentage, diskon,
nett_sales, nett_profit, rating_transaksi,
CASE
  WHEN price <= 50000 THEN 10
  WHEN price BETWEEN 50000 AND 100000 THEN 15
  WHEN price BETWEEN 100001 AND 300000 THEN 20
  WHEN price BETWEEN 300001 AND 500000 THEN 25
  ELSE 30
END AS precentage_gross_laba
FROM `kimia_farma.netprofit`
```



Link tabel final: https://bit.ly/datafinal-bigquery-kimia-farma