





Final Task

Business Intelligence Analyst at Bank Mualamat

Presented by Ivan Yudha Putranto H.



















Ivan Yudha

About Me

As a graduate of Diploma in Informatics Engineering from Dian Nuswantoro University. I am currently interested in experience in the field of Data and Business Intelligence

My Experience











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Final Task

- 1. Menentukan primary key di masing-masing table
- 2. Relationship antar table
- 3. Membuat table master menggunakan Microsoft Access
- 4. Membuat dashboard sales menggunakan Looker
- 5. Insight dari dashboard



1. Menentukan primary key di masing-masing table

Table Customers

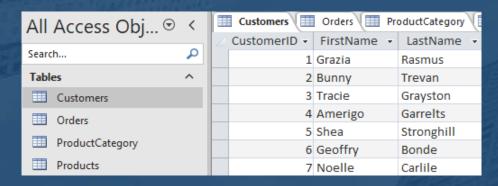


Table Orders

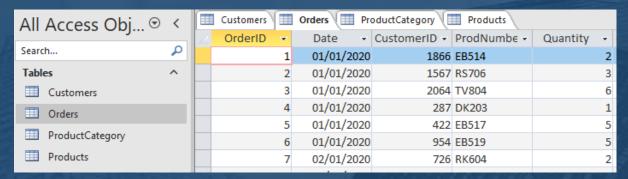


Table ProductCategory

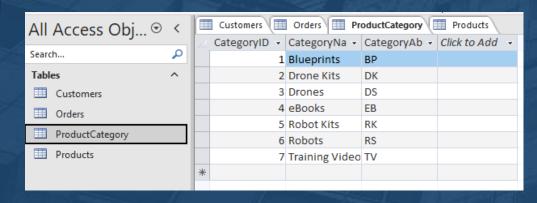
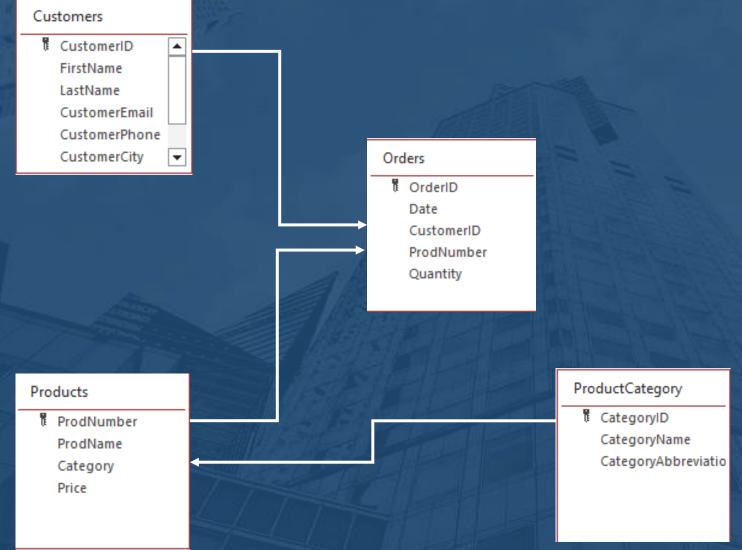


Table Products

| All Access Obj ⊙ | ⊙ < | Customers Orders ProductCategory Products | | | | | | | | |
|---------------------|-----|---|-------------|----------------|----------|---|---------|--------------|----|---|
| · · | | 1 | ProdNumbe → | ProdName - | Category | ¥ | Price + | Click to Add | Ψ. | |
| Search | ٥ | | BP101 | All Eyes Drone | | 1 | 9,99 | | | |
| Tables | ^ | | BP102 | Bsquare Robot | | 1 | 8,99 | | | |
| Customers Customers | | | BP104 | Cat Robot Blue | | 1 | 4,99 | | | |
| Orders | | | BP105 | Creature Robo | | 1 | 12,00 | | | |
| _ | | | BP106 | Hexacopter Dr | | 1 | 8,99 | | | |
| ■ ProductCategory | | | BP107 | Ladybug Robot | | 1 | 12,00 | | | |
| Products | | | BP108 | Panda Robot B | | 1 | 7,99 | | | |
| | | | BP109 | QuadroCopter | | 1 | 10,99 | | | |
| | _ | _ | | | | _ | | | _ | _ |



2. Relationship antar table



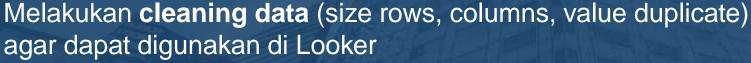
Masing-masing dari table tersebut memiliki type relationship one-to-many dan many-to-many

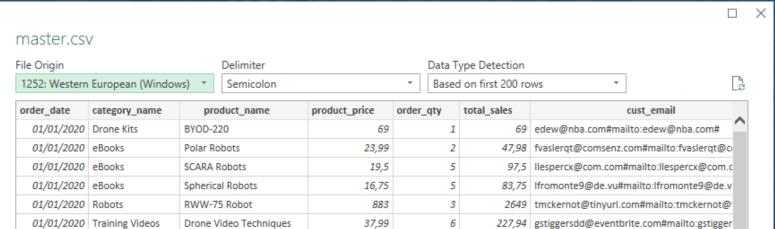


3. Membuat table **masters** menggunakan Microsoft Access

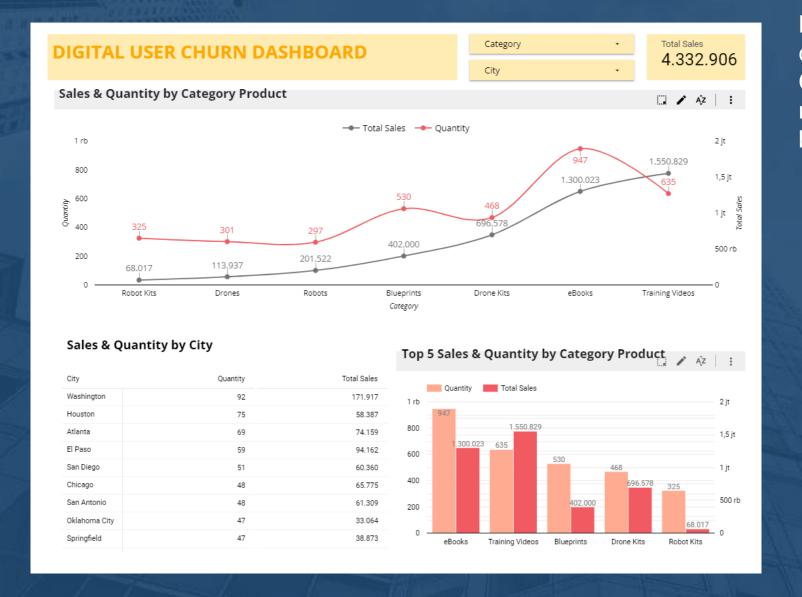
SELECT DISTINCTROW Customers.CustomerID AS cust_id,
Orders.Date AS order_date,
ProductS.ProdName AS product_name,
Products.ProdName AS product_price,
Sum(Products.Price) AS product_price,
Sum(Orders.Quantity) AS order_qty,
Sum(Products.Price * Orders.Quantity) AS total_sales,
Customers.CustomerEmail AS cust_email,
Customers.CustomerCity AS cust_city,
Customers.CustomerState AS cust_state
FROM (ProductCategory INNER JOIN Products ON ProductCategory.[CategoryID] = Products.[Category]) INNER JOIN (Customers INNER JOIN
Orders ON Customers.[CustomerID] = Orders.[CustomerID]) ON Products.[ProdNumber] = Orders.[ProdNumber]
GROUP BY Orders.Date, ProductCategory.Name, Products.ProdName, Customers.CustomerEmail, Customers.CustomerCity,
Customers.CustomerID, Customers.CustomerState;

| 4 | cust_id - | order_date - | category_na - | product_name - | product_pri- | order_qty - |
|---|-----------|--------------|---------------|------------------|--------------|-------------|
| | 287 | 01/01/2020 | Drone Kits | BYOD-220 | 69 | 1 |
| | 1866 | 01/01/2020 | eBooks | Polar Robots | 23,99 | 2 |
| | 422 | 01/01/2020 | eBooks | SCARA Robots | 19,5 | 5 |
| | 954 | 01/01/2020 | eBooks | Spherical Robots | 16,75 | 5 |
| | 1567 | 01/01/2020 | Robots | RWW-75 Robot | 883 | 3 |
| | | | | • | | |





4. Membuat dashboard sales menggunakan Looker



Membuat fitur dropdown control dengan kolom

Category dan City agar dapat memudahkan filter berdasarkan Category dan City

5. Insight dari dashboard

- **1.Penjualan eBooks**: Penjualan eBooks memiliki nilai tertinggi baik dari segi nilai penjualan (sales) maupun jumlah produk yang terjual (quantity). Ini menunjukkan bahwa eBooks adalah produk yang sangat diminati oleh pelanggan dan memiliki kontribusi signifikan terhadap pendapatan perusahaan.
- 2.Produk Robots: Produk Robots memiliki penjualan dan jumlah produk yang terjual yang terendah di antara semua produk yang ditampilkan di dashboard. Ini mungkin mengindikasikan bahwa produk ini tidak begitu populer di pasar atau mungkin perlu strategi pemasaran tambahan untuk meningkatkan penjualannya.

Thank You



Rakamin X
Academy



