

-- Nama : Muh. Haeril Rapli

-- Nim : 23241069

-- Kelas : IV B

-- Modul : 2 (SELECT)

-- Membuat database

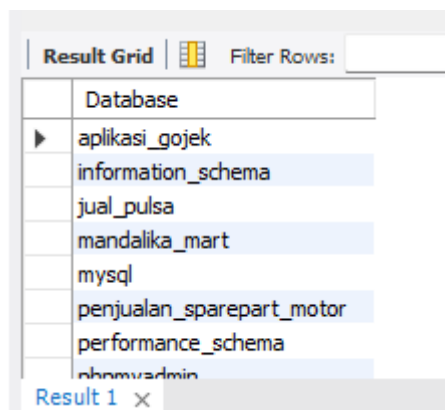
```
CREATE DATABASE PTI_Mart;
```

-- menjalankan databasse

```
USE PTI_Mart;
```

-- menampilkan schema

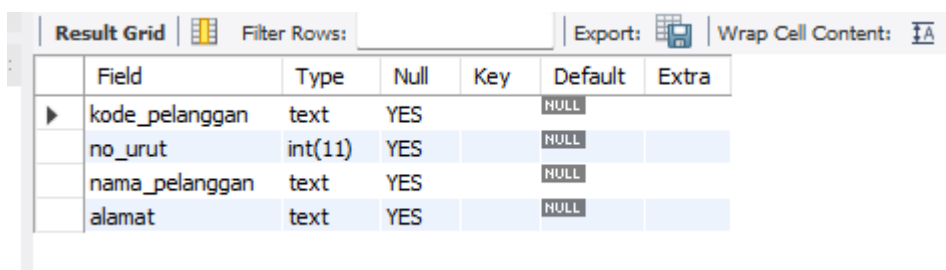
```
SHOW DATABASES;
```



| Database                  |
|---------------------------|
| aplikasi_gojek            |
| information_schema        |
| jual_pulsa                |
| mandalika_mart            |
| mysql                     |
| penjualan_sparepart_motor |
| performance_schema        |
| rhomvadmin                |

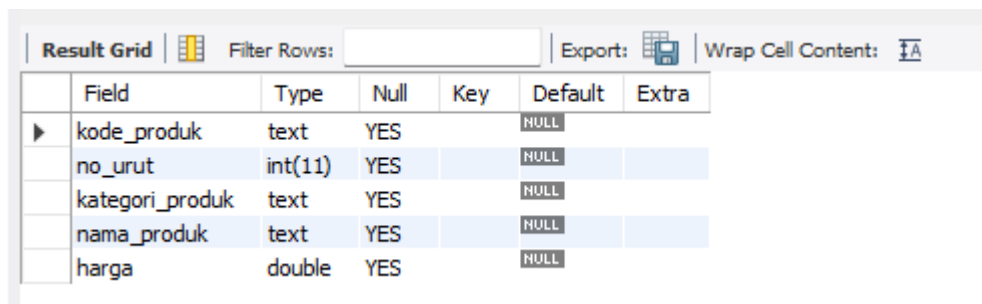
-- cek kolom dalam setiap tabel

```
DESCRIBE ms_pelanggan;
```



| Field          | Type    | Null | Key | Default | Extra |
|----------------|---------|------|-----|---------|-------|
| kode_pelanggan | text    | YES  |     | NULL    |       |
| no_urut        | int(11) | YES  |     | NULL    |       |
| nama_pelanggan | text    | YES  |     | NULL    |       |
| alamat         | text    | YES  |     | NULL    |       |

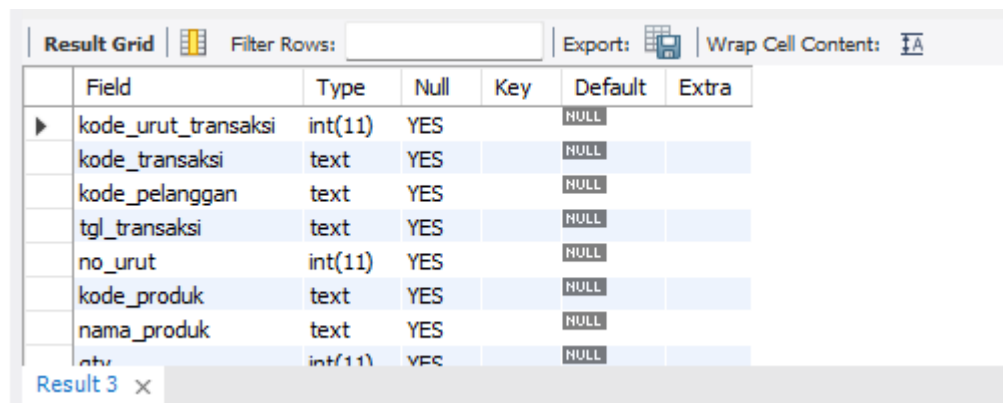
DESCRIBE ms\_produk;



The screenshot shows a 'Result Grid' window with a table describing the structure of the ms\_produk table. The table has columns: Field, Type, Null, Key, Default, and Extra. The data rows are as follows:

| Field           | Type    | Null | Key | Default | Extra |
|-----------------|---------|------|-----|---------|-------|
| kode_produk     | text    | YES  |     | NULL    |       |
| no_urut         | int(11) | YES  |     | NULL    |       |
| kategori_produk | text    | YES  |     | NULL    |       |
| nama_produk     | text    | YES  |     | NULL    |       |
| harga           | double  | YES  |     | NULL    |       |

DESCRIBE tr\_penjualan;



The screenshot shows a 'Result Grid' window with a table describing the structure of the tr\_penjualan table. The table has columns: Field, Type, Null, Key, Default, and Extra. The data rows are as follows:

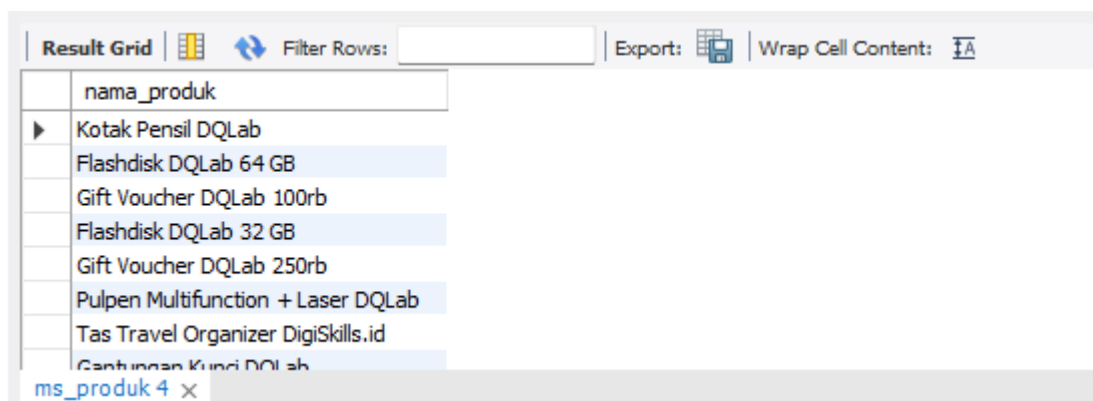
| Field               | Type    | Null | Key | Default | Extra |
|---------------------|---------|------|-----|---------|-------|
| kode_urut_transaksi | int(11) | YES  |     | NULL    |       |
| kode_transaksi      | text    | YES  |     | NULL    |       |
| kode_pelanggan      | text    | YES  |     | NULL    |       |
| tgl_transaksi       | text    | YES  |     | NULL    |       |
| no_urut             | int(11) | YES  |     | NULL    |       |
| kode_produk         | text    | YES  |     | NULL    |       |
| nama_produk         | text    | YES  |     | NULL    |       |
| qty                 | int(11) | YES  |     | NULL    |       |

-- SELECT

-- menggunakan SELECT untuk 1 tabel

-- mengambil kolom nama produk dari tabel produk

SELECT nama\_produk FROM ms\_produk;

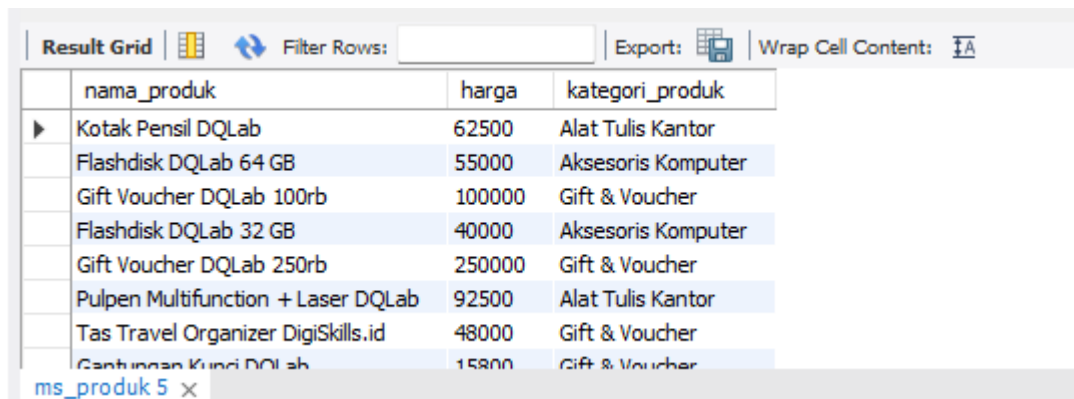


The screenshot shows a 'Result Grid' window displaying the results of a SELECT query on the ms\_produk table. The query is 'SELECT nama\_produk FROM ms\_produk;'. The results are listed in a single column named 'nama\_produk'.

| nama_produk                        |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

-- mengambil lebih dari 1 kolom dari sebuah

SELECT nama\_produk, harga, kategori\_produk FROM ms\_produk;

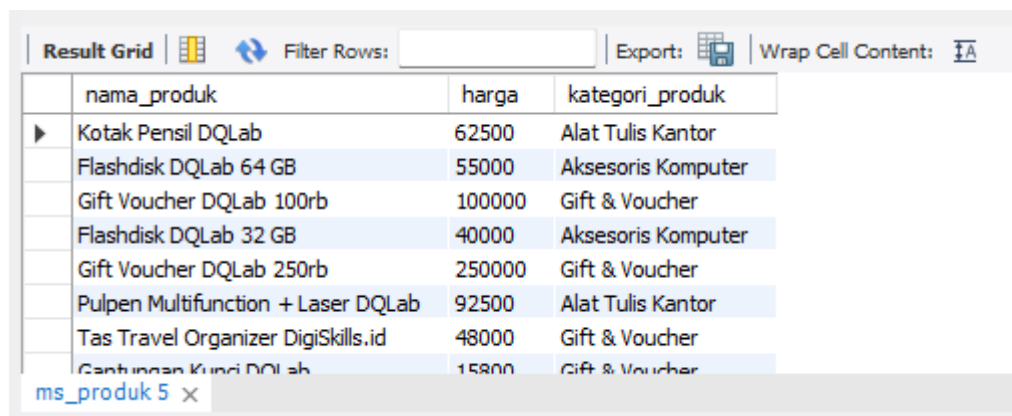


|   | nama_produk                        | harga  | kategori_produk    |
|---|------------------------------------|--------|--------------------|
| ▶ | Kotak Pensil DQLab                 | 62500  | Alat Tulis Kantor  |
|   | Flashdisk DQLab 64 GB              | 55000  | Aksesoris Komputer |
|   | Gift Voucher DQLab 100rb           | 100000 | Gift & Voucher     |
|   | Flashdisk DQLab 32 GB              | 40000  | Aksesoris Komputer |
|   | Gift Voucher DQLab 250rb           | 250000 | Gift & Voucher     |
|   | Pulpen Multifunction + Laser DQLab | 92500  | Alat Tulis Kantor  |
|   | Tas Travel Organizer DigiSkills.id | 48000  | Gift & Voucher     |
|   | Gantungan Kunci DQLab              | 15800  | Gift & Voucher     |

ms\_produk 5 x

-- mengambil semua kolom dari sebuah tabel/ menampilkan data dari sebuah tabel

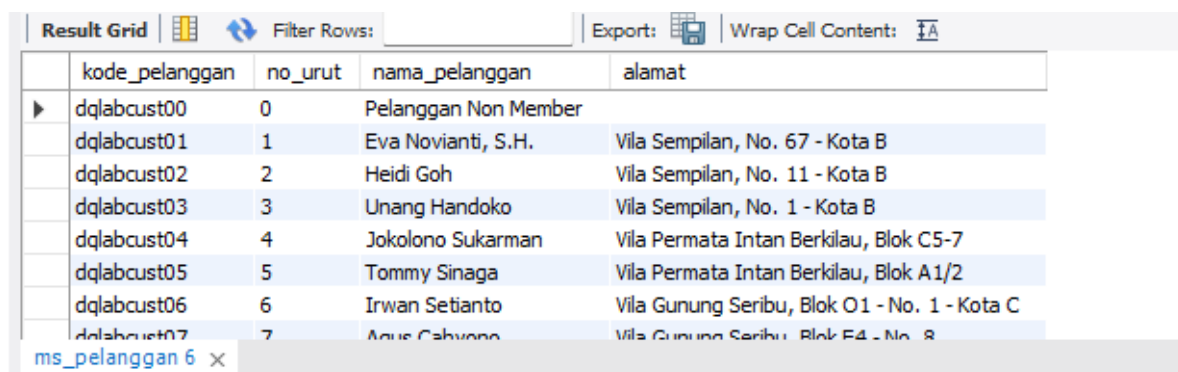
SELECT \* FROM ms\_produk;



|   | nama_produk                        | harga  | kategori_produk    |
|---|------------------------------------|--------|--------------------|
| ▶ | Kotak Pensil DQLab                 | 62500  | Alat Tulis Kantor  |
|   | Flashdisk DQLab 64 GB              | 55000  | Aksesoris Komputer |
|   | Gift Voucher DQLab 100rb           | 100000 | Gift & Voucher     |
|   | Flashdisk DQLab 32 GB              | 40000  | Aksesoris Komputer |
|   | Gift Voucher DQLab 250rb           | 250000 | Gift & Voucher     |
|   | Pulpen Multifunction + Laser DQLab | 92500  | Alat Tulis Kantor  |
|   | Tas Travel Organizer DigiSkills.id | 48000  | Gift & Voucher     |
|   | Gantungan Kunci DQLab              | 15800  | Gift & Voucher     |

ms\_produk 5 x

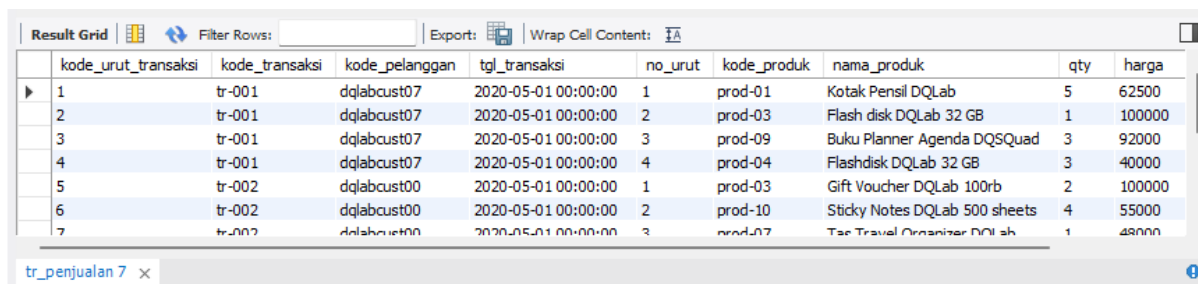
SELECT \* FROM ms\_pelanggan;



|   | kode_pelanggan | no_urut | nama_pelanggan       | alamat                                       |
|---|----------------|---------|----------------------|--|
| ▶ | dqlabcust00    | 0       | Pelanggan Non Member |  |
|   | dqlabcust01    | 1       | Eva Novianti, S.H.   | Vila Sempilan, No. 67 - Kota B               |
|   | dqlabcust02    | 2       | Heidi Goh            | Vila Sempilan, No. 11 - Kota B               |
|   | dqlabcust03    | 3       | Unang Handoko        | Vila Sempilan, No. 1 - Kota B                |
|   | dqlabcust04    | 4       | Jokolono Sukarman    | Vila Permata Intan Berkilau, Blok C5-7       |
|   | dqlabcust05    | 5       | Tommy Sinaga         | Vila Permata Intan Berkilau, Blok A1/2       |
|   | dqlabcust06    | 6       | Irwan Setianto       | Vila Gunung Seribu, Blok O1 - No. 1 - Kota C |
|   | dqlabcust07    | 7       | Agus Cahyono         | Vila Gunung Seribu, Blok F4 - No. 8          |

ms\_pelanggan 6 x

```
SELECT * FROM tr_penjualan;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

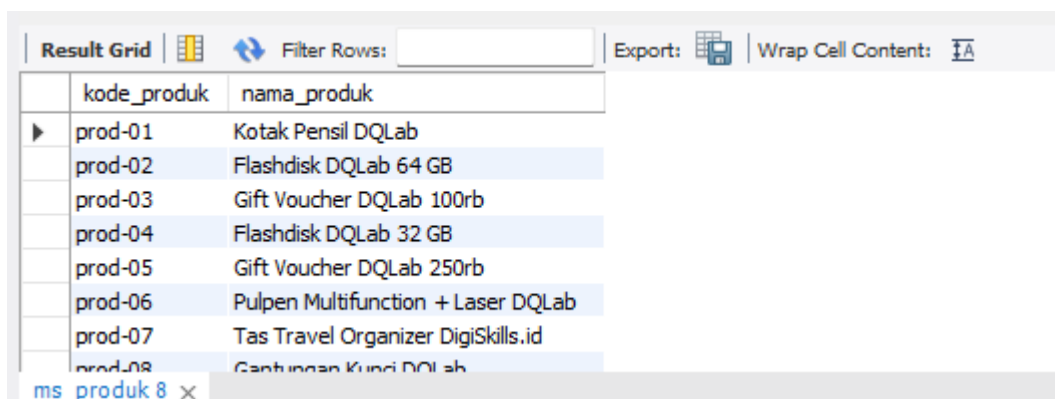
|   | kode_urut_transaksi | kode_transaksi | kode_pelanggan | tgl_transaksi       | no_urut | kode_produk | nama_produk                   | qty | harga  |
|---|---------------------|----------------|----------------|---------------------|---------|-------------|-------------------------------|-----|--------|
| ▶ | 1                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 1       | prod-01     | Kotak Pensil DQLab            | 5   | 62500  |
|   | 2                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 2       | prod-03     | Flash disk DQLab 32 GB        | 1   | 100000 |
|   | 3                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 3       | prod-09     | Buku Planner Agenda DQSQuad   | 3   | 92000  |
|   | 4                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 4       | prod-04     | Flashdisk DQLab 32 GB         | 3   | 40000  |
|   | 5                   | tr-002         | dqlabcust00    | 2020-05-01 00:00:00 | 1       | prod-03     | Gift Voucher DQLab 100rb      | 2   | 100000 |
|   | 6                   | tr-002         | dqlabcust00    | 2020-05-01 00:00:00 | 2       | prod-10     | Sticky Notes DQLab 500 sheets | 4   | 55000  |
|   | 7                   | tr-002         | dqlabcust00    | 2020-05-01 00:00:00 | 3       | prod-07     | Tas Travel Organizer DQLab    | 1   | 48000  |

tr\_penjualan 7 x

-- latihan

-- mengambil kode produk dan nama produk dari tabel produk

```
SELECT kode_produk, nama_produk FROM ms_produk;
```



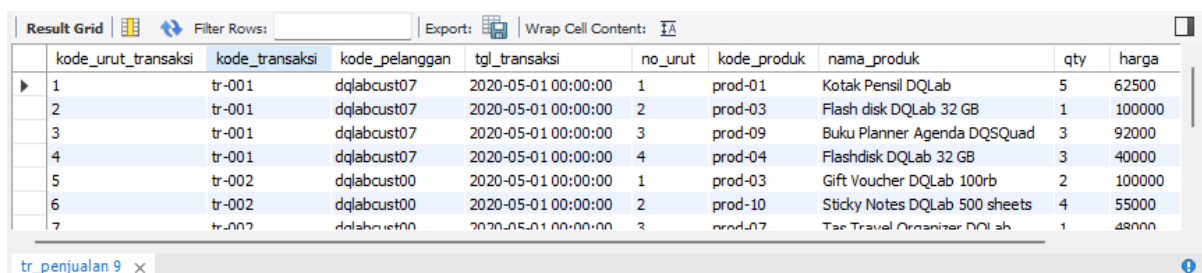
Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

|   | kode_produk | nama_produk                        |
|---|-------------|------------------------------------|
| ▶ | prod-01     | Kotak Pensil DQLab                 |
|   | prod-02     | Flashdisk DQLab 64 GB              |
|   | prod-03     | Gift Voucher DQLab 100rb           |
|   | prod-04     | Flashdisk DQLab 32 GB              |
|   | prod-05     | Gift Voucher DQLab 250rb           |
|   | prod-06     | Pulpen Multifunction + Laser DQLab |
|   | prod-07     | Tas Travel Organizer DigiSkills.id |
|   | prod-08     | Gantungan Kunci DQLab              |

ms\_produk 8 x

-- mengambil seluruh kolom dari penjualan

```
SELECT * FROM tr_penjualan;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

|   | kode_urut_transaksi | kode_transaksi | kode_pelanggan | tgl_transaksi       | no_urut | kode_produk | nama_produk                   | qty | harga  |
|---|---------------------|----------------|----------------|---------------------|---------|-------------|-------------------------------|-----|--------|
| ▶ | 1                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 1       | prod-01     | Kotak Pensil DQLab            | 5   | 62500  |
|   | 2                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 2       | prod-03     | Flash disk DQLab 32 GB        | 1   | 100000 |
|   | 3                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 3       | prod-09     | Buku Planner Agenda DQSQuad   | 3   | 92000  |
|   | 4                   | tr-001         | dqlabcust07    | 2020-05-01 00:00:00 | 4       | prod-04     | Flashdisk DQLab 32 GB         | 3   | 40000  |
|   | 5                   | tr-002         | dqlabcust00    | 2020-05-01 00:00:00 | 1       | prod-03     | Gift Voucher DQLab 100rb      | 2   | 100000 |
|   | 6                   | tr-002         | dqlabcust00    | 2020-05-01 00:00:00 | 2       | prod-10     | Sticky Notes DQLab 500 sheets | 4   | 55000  |
|   | 7                   | tr-002         | dqlabcust00    | 2020-05-01 00:00:00 | 3       | prod-07     | Tas Travel Organizer DQLab    | 1   | 48000  |

tr\_penjualan 9 x

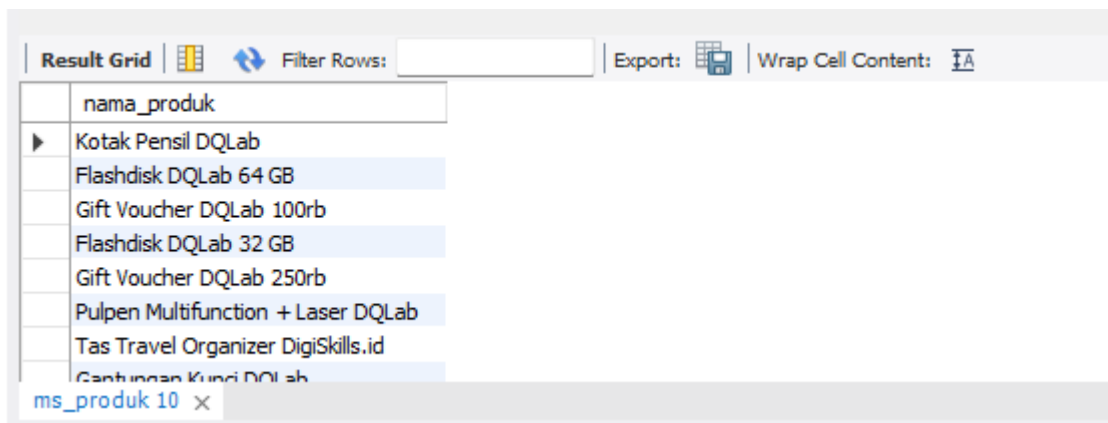
-- PREFIX DAN ALIAS

-- PREFIX

-- PREFIX adalah bagian objek database yang hirarkinya tinggi

-- contoh prefix

```
SELECT ms_produk.nama_produk FROM ms_produk;
```

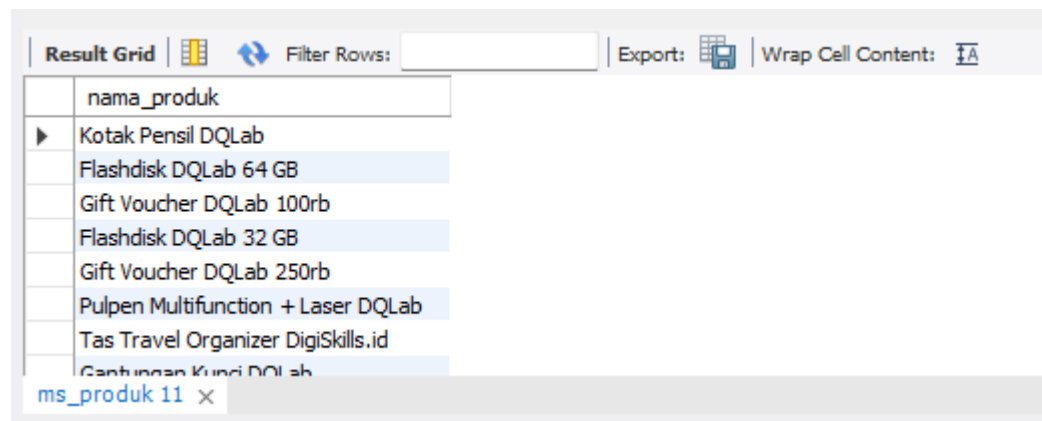


The screenshot shows a 'Result Grid' window with a toolbar at the top containing 'Filter Rows:', 'Export:', and 'Wrap Cell Content:'. The grid displays a single column named 'nama\_produk' with the following data rows: 'Kotak Pensil DQLab', 'Flashdisk DQLab 64 GB', 'Gift Voucher DQLab 100rb', 'Flashdisk DQLab 32 GB', 'Gift Voucher DQLab 250rb', 'Pulpen Multifunction + Laser DQLab', 'Tas Travel Organizer DigiSkills.id', and 'Gantungan Kunci DQLab'. The window title is 'ms\_produk 10'.

| nama_produk                        |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

-- menggunakan nama database dan tabel sebagai PREFIX untuk kolom nama\_produk

```
SELECT PTI_mart.ms_produk.nama_produk FROM ms_produk;
```



The screenshot shows a 'Result Grid' window with a toolbar at the top containing 'Filter Rows:', 'Export:', and 'Wrap Cell Content:'. The grid displays a single column named 'nama\_produk' with the same data rows as the first screenshot. The window title is 'ms\_produk 11'.

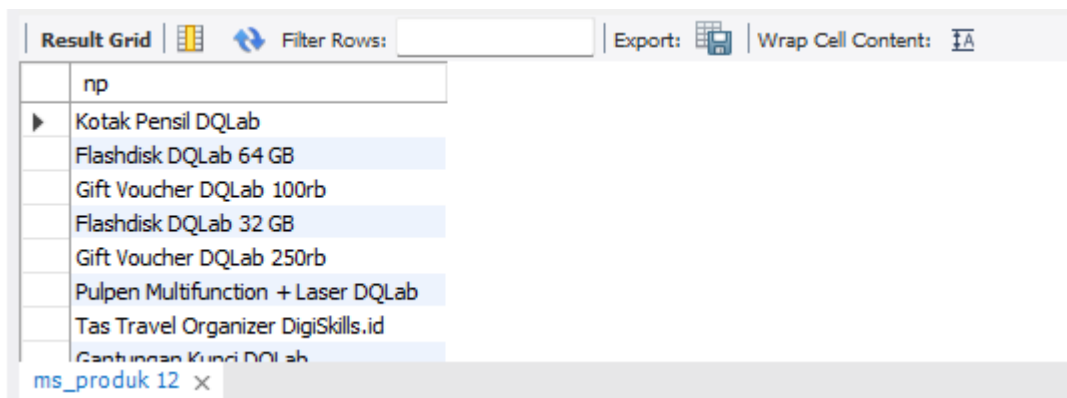
| nama_produk                        |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

-- ALIAS

-- ALIAS adalah pengganti nama objek / ALIAS itu nama sementara

-- mengganti nama sementara dari kolom nama\_produk dengan ALIAS

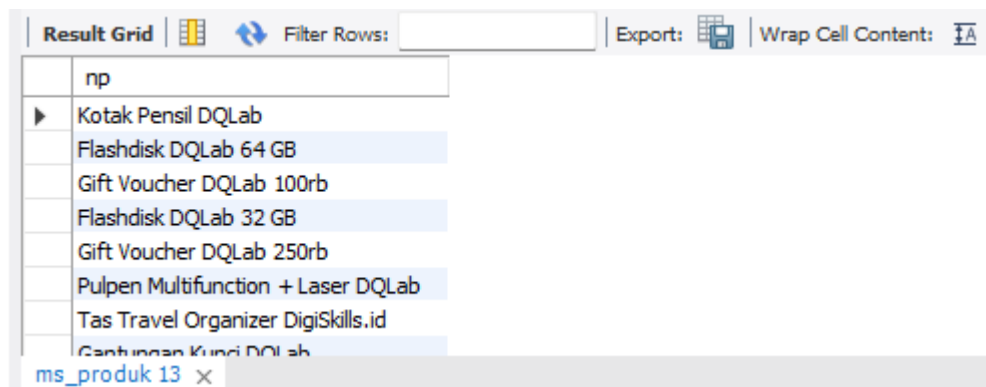
```
SELECT nama_produk AS np FROM ms_produk;
```



The screenshot shows a 'Result Grid' window with a toolbar at the top containing 'Filter Rows:', 'Export:', and 'Wrap Cell Content:'. The grid displays a single column named 'np' with the same data rows as the previous screenshots. The window title is 'ms\_produk 12'.

| np                                 |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

SELECT nama\_produk np FROM ms\_produk;

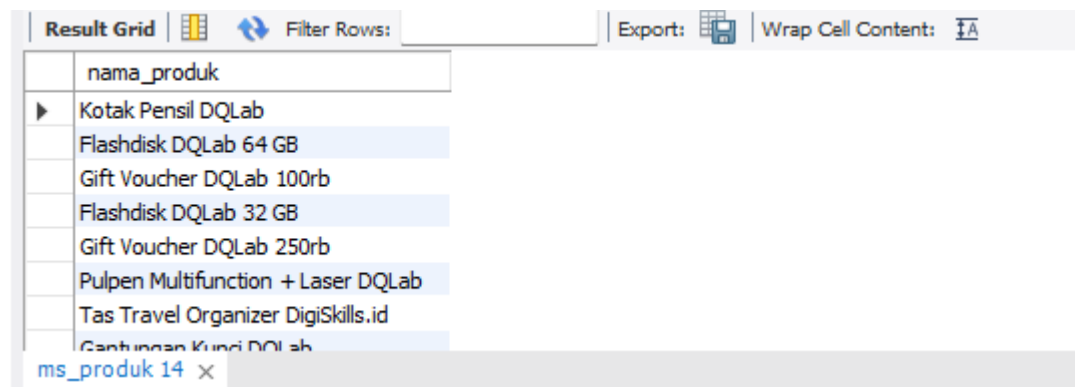


The screenshot shows a database query result grid. The first column is labeled 'np'. The rows contain the following product names: Kotak Pensil DQLab, Flashdisk DQLab 64 GB, Gift Voucher DQLab 100rb, Flashdisk DQLab 32 GB, Gift Voucher DQLab 250rb, Pulpen Multifunction + Laser DQLab, Tas Travel Organizer DigiSkills.id, and Gantungan Kunci DQLab. The interface includes a 'Result Grid' tab, a 'Filter Rows' search bar, and buttons for 'Export' and 'Wrap Cell Content'.

| np                                 |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

-- mengganti sementara tabel dengan ALIAS

SELECT nama\_produk FROM ms\_produk AS msp;

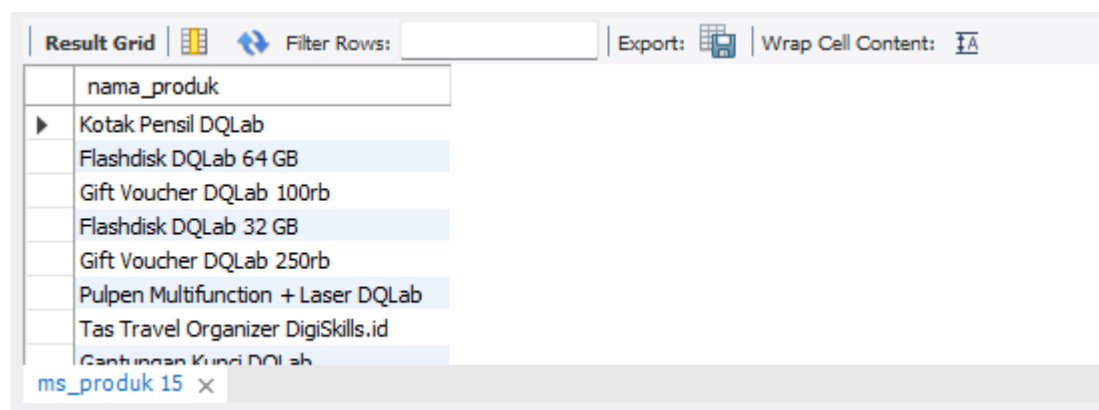


The screenshot shows a database query result grid. The first column is labeled 'nama\_produk'. The rows contain the same product names as the first query. The interface includes a 'Result Grid' tab, a 'Filter Rows' search bar, and buttons for 'Export' and 'Wrap Cell Content'.

| nama_produk                        |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

-- kombinasikan PREFIX dan ALIAS

SELECT msp.nama\_produk FROM ms\_produk AS msp;



The screenshot shows a database query result grid. The first column is labeled 'nama\_produk'. The rows contain the same product names as the previous queries. The interface includes a 'Result Grid' tab, a 'Filter Rows' search bar, and buttons for 'Export' and 'Wrap Cell Content'.

| nama_produk                        |
|------------------------------------|
| Kotak Pensil DQLab                 |
| Flashdisk DQLab 64 GB              |
| Gift Voucher DQLab 100rb           |
| Flashdisk DQLab 32 GB              |
| Gift Voucher DQLab 250rb           |
| Pulpen Multifunction + Laser DQLab |
| Tas Travel Organizer DigiSkills.id |
| Gantungan Kunci DQLab              |

-- CASE 1

SELECT nama\_pelanggan,alamat FROM ms\_pelanggan;

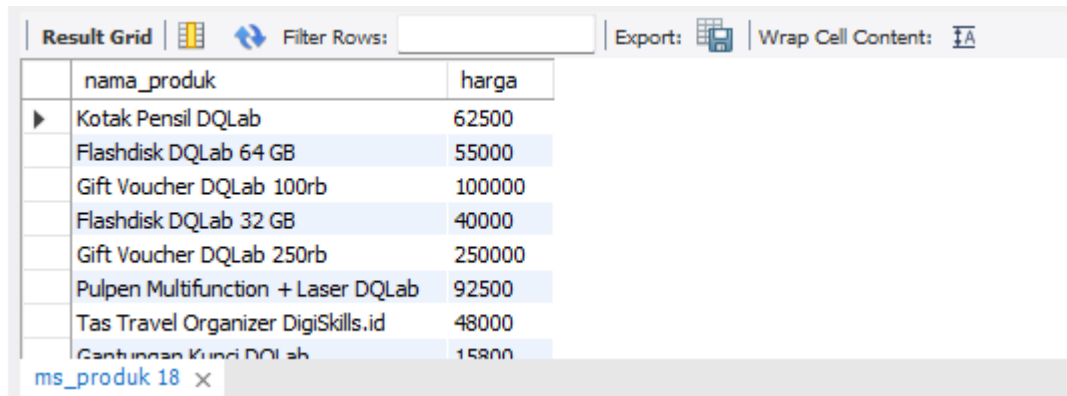


| nama_pelanggan       | alamat                                       |
|----------------------|--|
| Pelanggan Non Member |  |
| Eva Novianti, S.H.   | Vila Sempilan, No. 67 - Kota B               |
| Heidi Goh            | Vila Sempilan, No. 11 - Kota B               |
| Unang Handoko        | Vila Sempilan, No. 1 - Kota B                |
| Jokolono Sukarman    | Vila Permata Intan Berkilau, Blok C5-7       |
| Tommy Sinaga         | Vila Permata Intan Berkilau, Blok A1/2       |
| Irwan Setianto       | Vila Gunung Seribu, Blok O1 - No. 1 - Kota C |
| Aris Cahyono         | Vila Gunung Seribu, Blok E4 - No. 8          |

ms\_pelanggan 17 x

-- CASE 2

SELECT nama\_produk,harga FROM ms\_produk;



| nama_produk                        | harga  |
|------------------------------------|--------|
| Kotak Pensil DQLab                 |        |
| Flashdisk DQLab 64 GB              | 55000  |
| Gift Voucher DQLab 100rb           | 100000 |
| Flashdisk DQLab 32 GB              | 40000  |
| Gift Voucher DQLab 250rb           | 250000 |
| Pulpen Multifunction + Laser DQLab | 92500  |
| Tas Travel Organizer DigiSkills.id | 48000  |
| Gantungan Kunci DQLab              | 15800  |

ms\_produk 18 x