

-- Nama : Muhammad sahrul azam

-- Nim : 23241055

-- Kelas : IV B

-- Modul : 2 (SELECT)

-- Membuat database

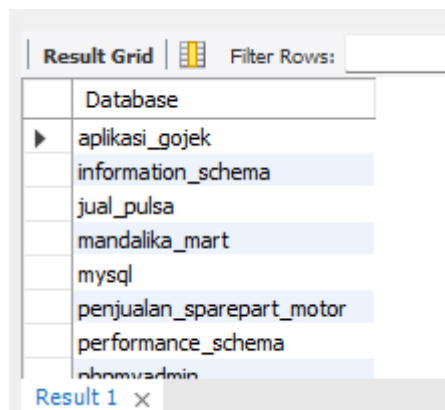
```
CREATE DATABASE PTI_Mart;
```

-- menjalankan databasse

```
USE PTI_Mart;
```

-- menampilkan schema

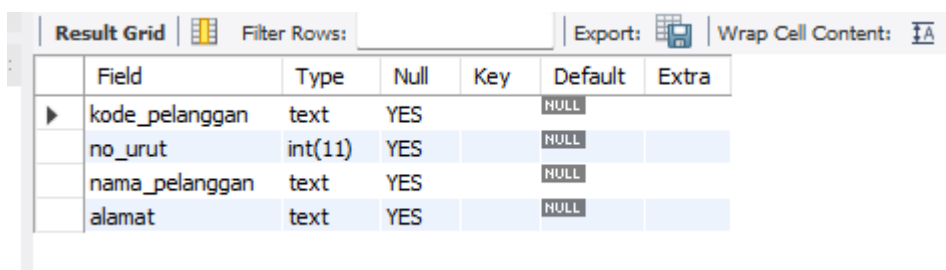
```
SHOW DATABASES;
```



Database
aplikasi_gojek
information_schema
jual_pulsa
mandalika_mart
mysql
penjualan_sparepart_motor
performance_schema
rhomvadmin

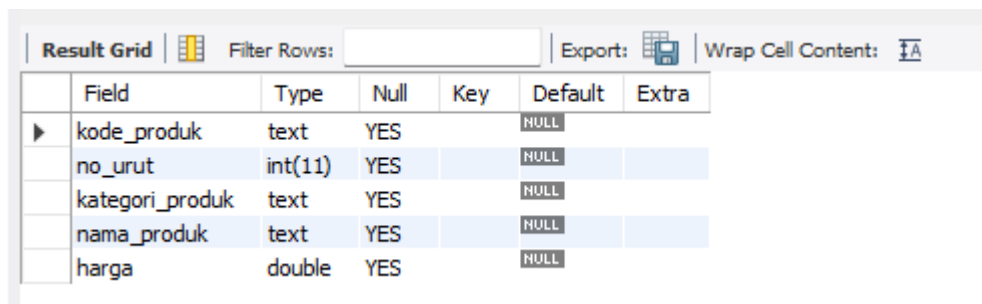
-- cek kolom dalam setiap tabel

```
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	

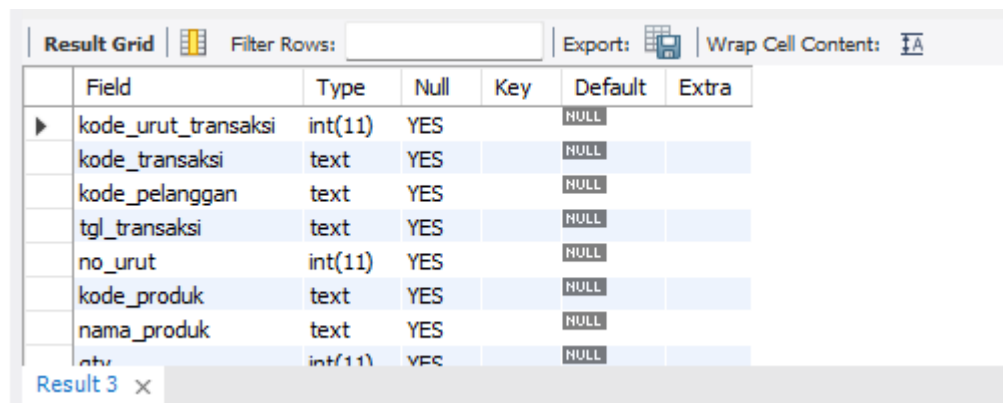
DESCRIBE ms\_produk;



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:

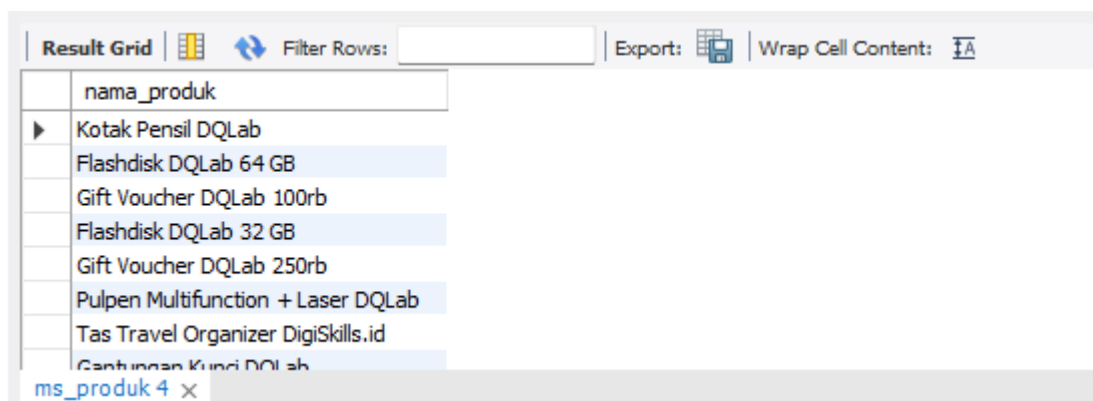
Field	Type	Null	Key	Default	Extra
kode_urut_transaksi	int(11)	YES		NULL	
kode_transaksi	text	YES		NULL	
kode_pelanggan	text	YES		NULL	
tgl_transaksi	text	YES		NULL	
no_urut	int(11)	YES		NULL	
kode_produk	text	YES		NULL	
nama_produk	text	YES		NULL	
qty	int(11)	YES		NULL	

-- SELECT

-- menggunakan SELECT untuk 1 tabel

-- mengambil kolom nama produk dari tabel produk

SELECT nama\_produk FROM ms\_produk;

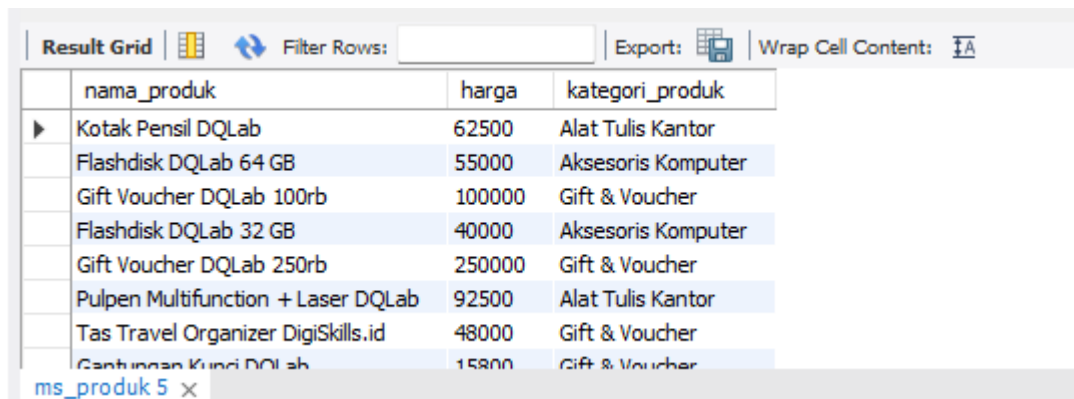


The screenshot shows a 'Result Grid' window displaying the results of a SELECT query on the ms\_produk table. The query is 'SELECT nama\_produk FROM ms\_produk;'. The results are listed in a single column named 'nama\_produk'.

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;



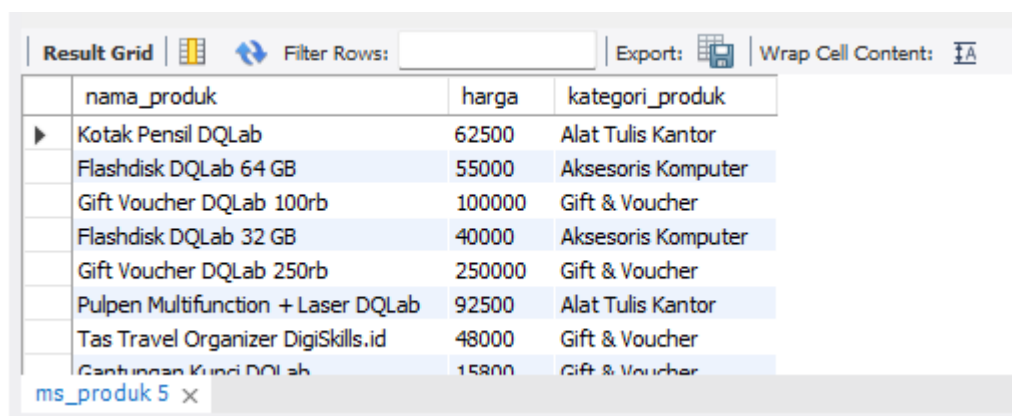
The screenshot shows a database query result grid for the query `SELECT nama_produk, harga, kategori_produk FROM ms_produk;`. The grid has a toolbar at the top with 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content' options. The data is displayed in a table with three columns: `nama_produk`, `harga`, and `kategori_produk`. The table contains 9 rows of data. The first row is highlighted with a blue arrow icon in the first column.

	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;

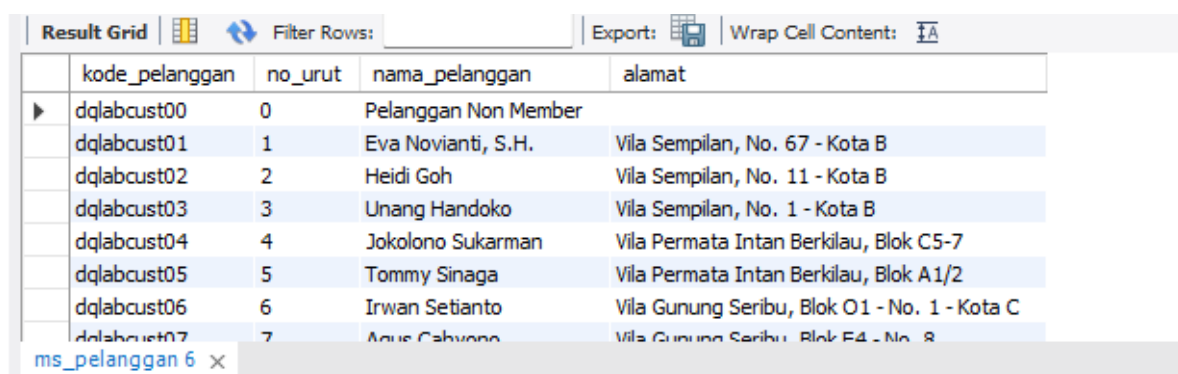


The screenshot shows a database query result grid for the query `SELECT * FROM ms_produk;`. The grid has a toolbar at the top with 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content' options. The data is displayed in a table with three columns: `nama_produk`, `harga`, and `kategori_produk`. The table contains 9 rows of data. The first row is highlighted with a blue arrow icon in the first column.

	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;



The screenshot shows a database query result grid for the query `SELECT * FROM ms_pelanggan;`. The grid has a toolbar at the top with 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content' options. The data is displayed in a table with four columns: `kode_pelanggan`, `no_urut`, `nama_pelanggan`, and `alamat`. The table contains 8 rows of data. The first row is highlighted with a blue arrow icon in the first column.

	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;
```

	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

-- latihan

-- mengambil kode produk dan nama produk dari tabel produk

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

	kode_produk	nama_produk
1	prod-01	Kotak Pensil DQLab
2	prod-02	Flashdisk DQLab 64 GB
3	prod-03	Gift Voucher DQLab 100rb
4	prod-04	Flashdisk DQLab 32 GB
5	prod-05	Gift Voucher DQLab 250rb
6	prod-06	Pulpen Multifunction + Laser DQLab
7	prod-07	Tas Travel Organizer DigiSkills.id
8	prod-08	Gantungan Kunci DQLab

-- mengambil seluruh kolom dari penjualan

```
SELECT * FROM tr_penjualan;
```

	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

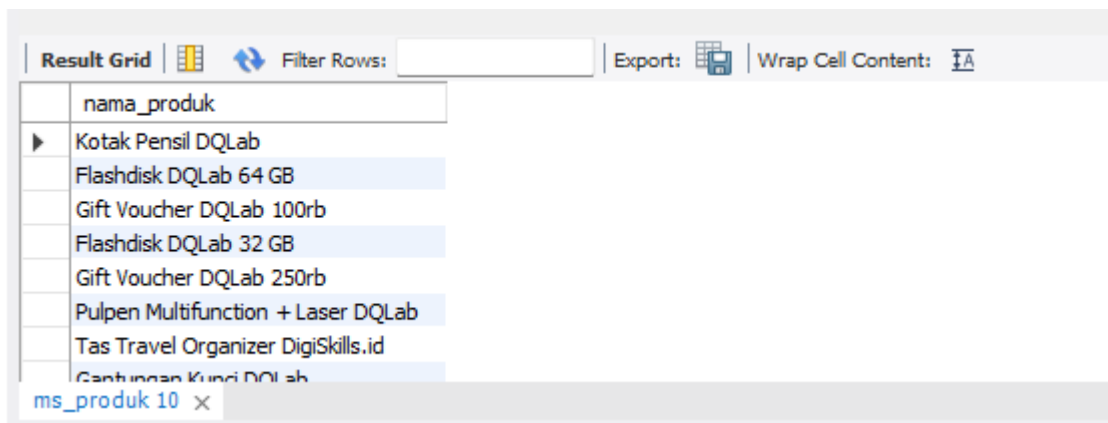
-- PREFIX DAN ALIAS

-- PREFIX

-- PREFIX adalah bagian objek database yang hirarkinya tinggi

-- contoh prefix

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

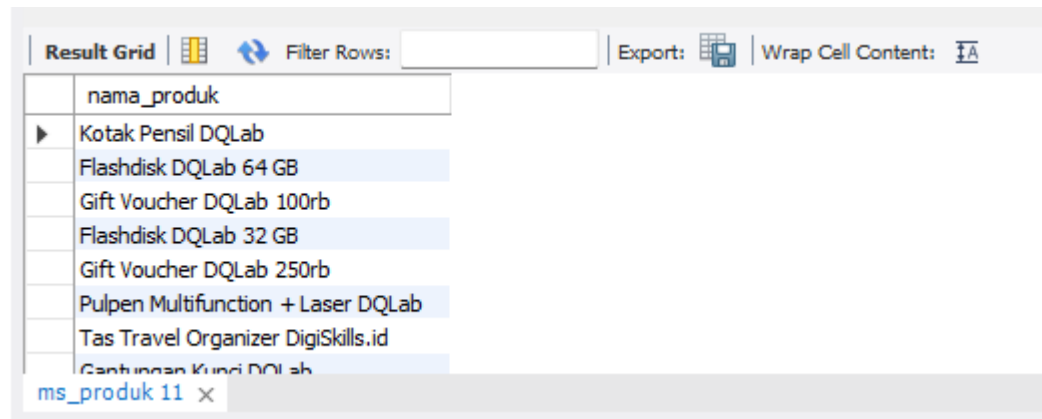


The screenshot shows a 'Result Grid' window with a toolbar at the top containing 'Filter Rows:', 'Export:', and 'Wrap Cell Content:'. The table has one column, 'nama\_produk', and ten rows of product names. The first row is expanded, showing a list of products. The window title is 'ms\_produk 10'.

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 table has one column, 'nama\_produk', and ten rows of product names. The first row is expanded, showing a list of products. The window title is 'ms\_produk 11'.

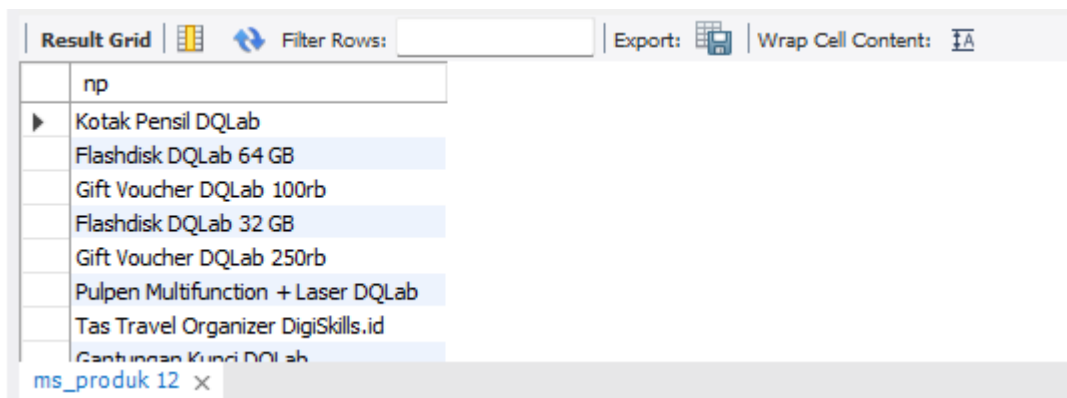
nama_produk
Kotak Pensil DQLab
Flashdisk DQLab 64 GB
Gift Voucher DQLab 100rb
Flashdisk DQLab 32 GB
Gift Voucher DQLab 250rb
Pulpen Multifunction + Laser DQLab
Tas Travel Organizer DigiSkills.id
Gantungan Kunci DQLab

-- ALIAS

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

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

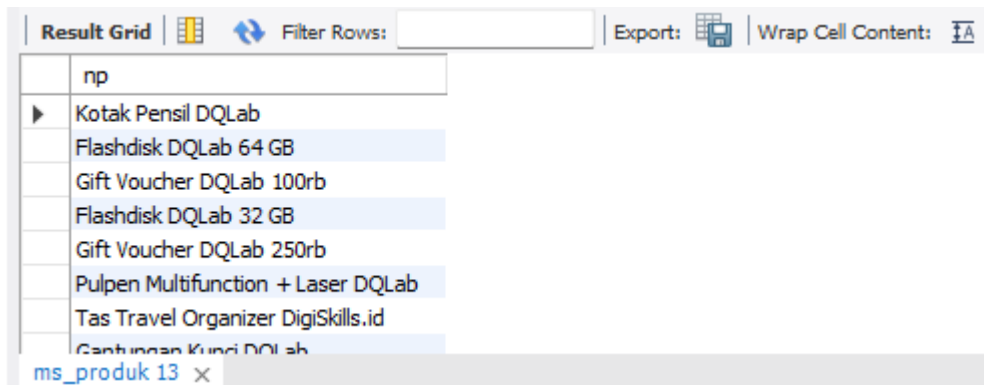
```
SELECT nama_produk AS np FROM ms_produk;
```



The screenshot shows a 'Result Grid' window with a toolbar at the top containing 'Filter Rows:', 'Export:', and 'Wrap Cell Content:'. The table has one column, 'np', and ten rows of product names. The first row is expanded, showing a list of products. 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;
```

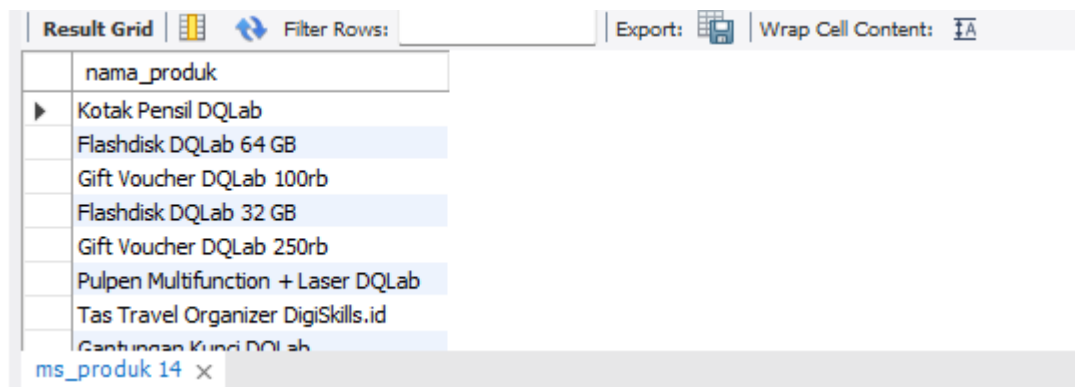


The screenshot shows a database query result grid. The first column is labeled 'np'. The rows contain the following product names: Kotak Pensil DQLab, Flashdisk DQLab 64 GB, Gift Voucher DQLab 100rb, Flashdisk DQLab 32 GB, Gift Voucher DQLab 250rb, Pulpen Multifunction + Laser DQLab, Tas Travel Organizer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

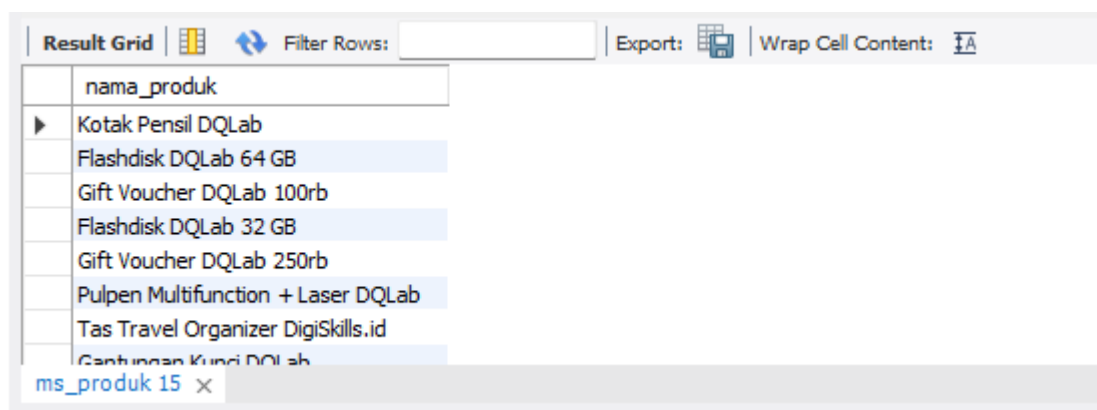


The screenshot shows a database query result grid. The first column is labeled 'nama\_produk'. The rows contain the same product names as the first query. The interface includes a 'Result Grid' tab, a 'Filter Rows' field, and buttons for 'Export' and 'Wrap Cell Content'.

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' field, 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;

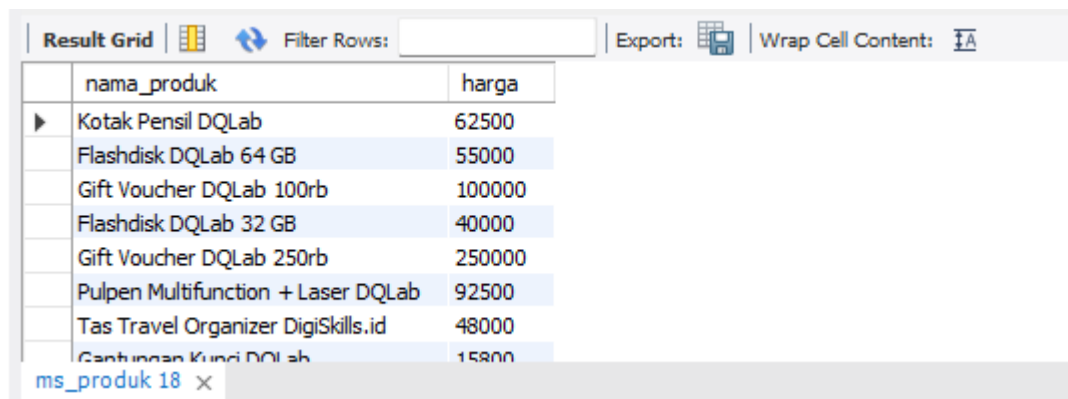


	nama_pelanggan	alamat
▶	Pelanggan Non Member	
	Eva Novianti, S.H.	Vila Sempilan, No. 67 - Kota B
	Heidi Goh	Vila Sempilan, No. 11 - Kota B
	Unang Handoko	Vila Sempilan, No. 1 - Kota B
	Jokolono Sukarman	Vila Permata Intan Berkilau, Blok C5-7
	Tommy Sinaga	Vila Permata Intan Berkilau, Blok A1/2
	Irwan 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