

TEKNOLOGI BASIS DATA

“Perintah Dasar MySQL dengan CMD 4”

Dosen Mata Kuliah :

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Kelas - TI.17.D2

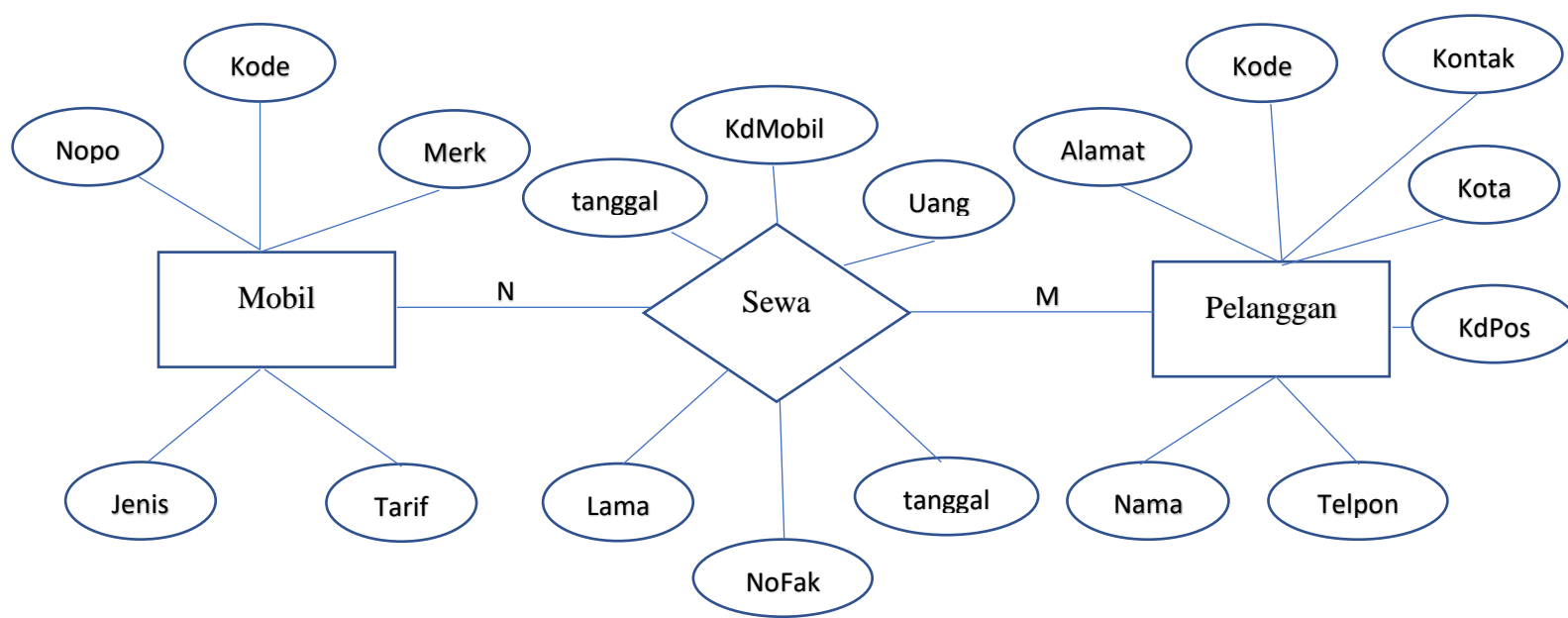
Program Studi Teknik Informatika

Sekolah Tinggi Teknik

Pelita Bangsa

2019

PRAKTIKUM 4



1. Buat database baru dengan nama **sewamobil**

```
MariaDB [(none)]> create database sewamobil;
Query OK, 1 row affected (0.00 sec)
```

2. Buat table dan beri nama sesuai dengan data dibawah :
🚗 Mobil

```
MariaDB [sewamobil]> select * from mobil;
+----+-----+-----+-----+-----+
| kode | jenis | merk   | tarif | nopol |
+----+-----+-----+-----+
| M001 | SEDAN | BMW E5 | 500000 | BG1234AA |
| M002 | SEDAN | HONDA CRV | 350000 | BG2345BB |
| M003 | BUS   | MERCEDEZ | 1000000 | BG3456CC |
| M004 | BUS   | DYNA   | 800000 | BG8443DD |
| M005 | TRUCK | HYN0 ZX | 1500000 | BG4638EE |
| M006 | TRUCK | DYNA X1 | 1500000 | BG8473FF |
+----+-----+-----+-----+
6 rows in set (0.00 sec)
```

🚗 Sewa

```
MariaDB [sewamobil]> select * from sewa;
+-----+-----+-----+-----+-----+-----+
| nofaktursewa | kodepelanggan | tglsewa   | kodemobil | lamasewa | uangmuka |
+-----+-----+-----+-----+-----+-----+
| F001         | P001          | 2008-12-01 | M001      | 2        | 200000   |
| F001         | P001          | 2008-12-01 | M003      | 2        | 200000   |
| F002         | P002          | 2008-12-02 | M002      | 1        | 100000   |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

🚗 Pelanggan

```
MariaDB [sewamobil]> select * from pelanggan;
+----+-----+-----+-----+-----+-----+-----+
| kode | nama      | kontak | alamat          | kota   | kodepos | telpo |
+----+-----+-----+-----+-----+-----+-----+
| P001 | PT FOX RIVER | HENDRA | JL. JEND. SUDIRMAN 657 | BENGKULU | 30245 | 1234567 |
| P002 | CV FOXCON   | IWAN   | JL. WAHID HASYIM 743 | JAKARTA | 73429 | 234567 |
| P003 | PT FARMACON | YANI   | JL. AHMAD DALAN 45   | LAMPUNG | 28349 | 3334445 |
+----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Langkah – langkahnya adalah sebagai berikut :

🚦 Buat table Mobil

```
MariaDB [sewamobil]> create table mobil (  
  -> kode varchar(5) primary key,  
  -> jenis varchar(15),  
  -> merk varchar(20),  
  -> tarif int(20),  
  -> nopol varchar(20)  
  -> );  
Query OK, 0 rows affected (0.42 sec)
```

🚦 Buat table Sewa

```
MariaDB [sewamobil]> create table sewa (  
  -> nofaktursewa varchar(5),  
  -> kodepelanggan varchar(5),  
  -> tglsewa date,  
  -> kodemobil varchar(5),  
  -> lamasewa int(10),  
  -> uangmuka int(15)  
  -> );  
Query OK, 0 rows affected (0.25 sec)
```

🚦 Buat table Pelanggan

```
MariaDB [sewamobil]> create table pelanggan (  
  -> kode varchar(5) primary key,  
  -> nama varchar(30),  
  -> kontak varchar(15),  
  -> alamat text,  
  -> kota varchar(20),  
  -> kodepos int(10),  
  -> telpon varchar(12)  
  -> );  
Query OK, 0 rows affected (0.28 sec)
```

3. Buat query untuk menampilkan data seperti berikut:

```
MariaDB [sewamobil]> select mobil.kode, mobil.jenis, mobil.merk, sewa.nofaktursewa, sewa.tglsewa, sewa.lamasewa  
  -> from mobil left join sewa on mobil.kode=sewa.kodemobil order by mobil.kode asc;  
+-----+-----+-----+-----+-----+-----+  
| kode | jenis | merk   | nofaktursewa | tglsewa | lamasewa |  
+-----+-----+-----+-----+-----+-----+  
| M001 | SEDAN | BMW E5 | F001         | 2008-12-01 | 2 |  
| M002 | SEDAN | HONDA CRV | F002       | 2008-12-02 | 1 |  
| M003 | BUS   | MERCEDEZ | F001       | 2008-12-01 | 2 |  
| M004 | BUS   | DYNA     | NULL        | NULL       | NULL |  
| M005 | TRUCK | HYN0 ZX  | NULL        | NULL       | NULL |  
| M006 | TRUCK | DYNA X1  | NULL        | NULL       | NULL |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.00 sec)
```

```
MariaDB [sewamobil]> select  
  -> sewa.nofaktursewa,  
  -> pelanggan.nama,  
  -> sewa.tglsewa,  
  -> mobil.jenis,  
  -> mobil.merk,  
  -> sewa.lamasewa,  
  -> sewa.uangmuka  
  -> from sewa left join mobil on mobil.kode=sewa.kodemobil  
  -> left join pelanggan on pelanggan.kode=sewa.kodepelanggan;  
+-----+-----+-----+-----+-----+-----+  
| nofaktursewa | nama          | tglsewa | jenis | merk   | lamasewa | uangmuka |  
+-----+-----+-----+-----+-----+-----+  
| F001         | PT FOX RIVER | 2008-12-01 | SEDAN | BMW E5 | 2 | 200000 |  
| F001         | PT FOX RIVER | 2008-12-01 | BUS   | MERCEDEZ | 2 | 200000 |  
| F002         | CV FOXCON    | 2008-12-02 | SEDAN | HONDA CRV | 1 | 100000 |  
+-----+-----+-----+-----+-----+-----+  
3 rows in set (0.00 sec)
```

```
MariaDB [sewamobil]> select
-> pelanggan.nama,
-> pelanggan.kota,
-> sewa.nofaktursewa,
-> sewa.tglsewa,
-> sewa.kodemobil,
-> sewa.lamasewa,
-> sewa.uangmuka
-> from pelanggan left join sewa on pelanggan.kode=sewa.kodepelanggan;
```

nama	kota	nofaktursewa	tglsewa	kodemobil	lamasewa	uangmuka
PT FOX RIVER	BENGKULU	F001	2008-12-01	M001	2	200000
PT FOX RIVER	BENGKULU	F001	2008-12-01	M003	2	200000
CV FOXCON	JAKARTA	F002	2008-12-02	M002	1	100000
PT FARMACON	LAMPUNG	NULL	NULL	NULL	NULL	NULL

4 rows in set (0.00 sec)