

# TEKNOLOGI BASIS DATA

## PRAKTIKUM TEKNOLOGI BASIS DATA

### “Perintah Dasar MySQL dengan CMD”

Diajukan untuk memenuhi Nilai UTS mata kuliah Basis Data

Dosen Mata Kuliah :

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Kelas - TI.17.D2

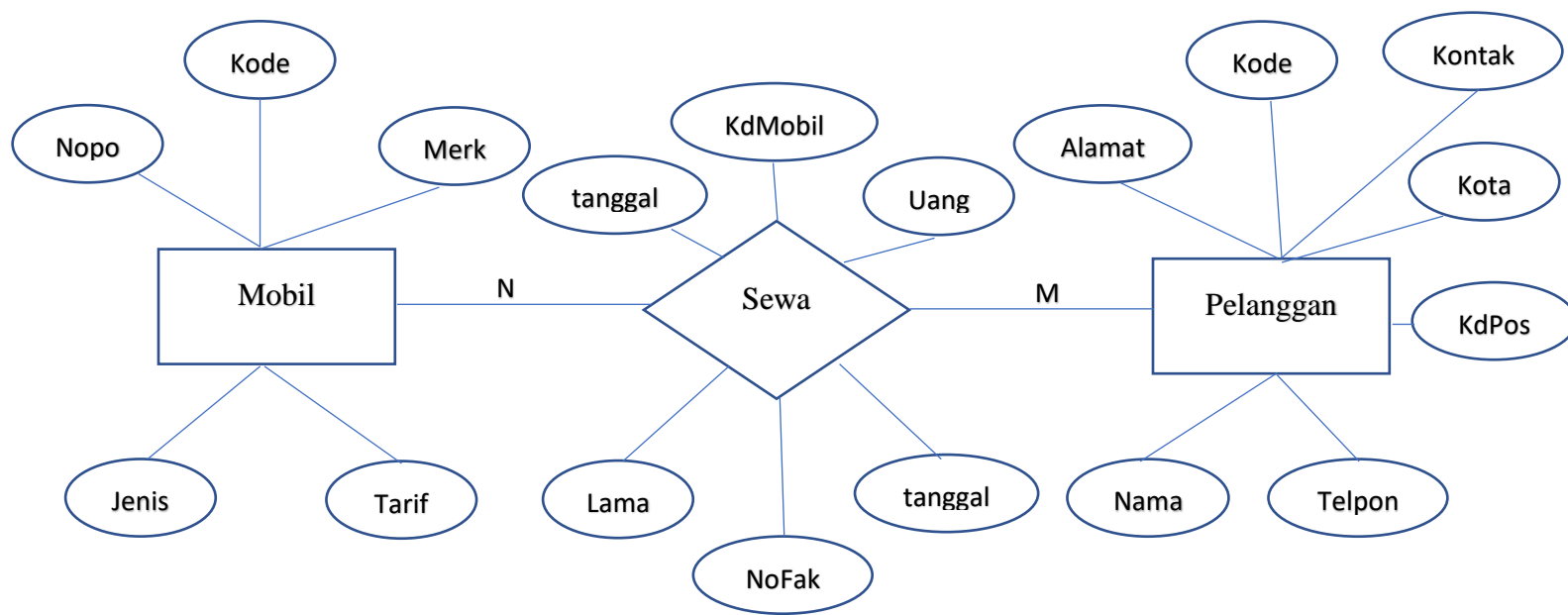
Program Studi Teknik Informatika

Sekolah Tinggi Teknik

Pelita Bangsa

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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 | telpon |
+-----+-----+-----+-----+-----+-----+-----+
| 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 | HYN 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)