

## PRAKTIKUM SISTEM BASIS DATA

### MODUL 4

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```
MariaDB [kuliah]> CREATE TABLE mahasiswa(  
  -> NIM INTEGER PRIMARY KEY,  
  -> nama VARCHAR(45) UNIQUE NOT NULL,  
  -> alamat VARCHAR(255) NOT NULL  
  -> );  
Query OK, 0 rows affected (0.392 sec)  
  
MariaDB [kuliah]> CREATE TABLE dosen(  
  -> NIP INTEGER PRIMARY KEY,  
  -> nama VARCHAR(45) UNIQUE NOT NULL,  
  -> alamat VARCHAR(255) NOT NULL  
  -> );  
Query OK, 0 rows affected (1.252 sec)  
  
MariaDB [kuliah]> CREATE TABLE mata_kuliah(  
  -> kode_mk VARCHAR(20) PRIMARY KEY,  
  -> nama_mk VARCHAR(45) UNIQUE NOT NULL  
  -> );  
Query OK, 0 rows affected (0.326 sec)  
  
MariaDB [kuliah]> CREATE TABLE ruang_kelas(  
  -> kode_ruang VARCHAR(20) PRIMARY KEY,  
  -> nama_ruang VARCHAR(45) UNIQUE NOT NULL  
  -> );  
Query OK, 0 rows affected (0.479 sec)
```

```
MariaDB [kuliah]> CREATE TABLE dosen_teach_mahasiswa(  
  -> NIMFK INTEGER REFERENCES mahasiswa(NIM)  
  -> ON DELETE CASCADE ON UPDATE CASCADE,  
  -> NIPFK INTEGER REFERENCES dosen(NIP)  
  -> ON DELETE CASCADE ON UPDATE CASCADE,  
  -> PRIMARY KEY(NIMFK,NIPFK)  
  -> );  
Query OK, 0 rows affected (0.230 sec)
```

```
ERROR 1072 (42000): Key column 'kode_mk' doesn't exist in  
MariaDB [kuliah]> CREATE TABLE mahasiswa_take_mata_kuliah(  
  -> NIMFK INTEGER REFERENCES mahasiswa(NIM)  
  -> ON DELETE CASCADE ON UPDATE CASCADE,  
  -> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)  
  -> ON DELETE CASCADE ON UPDATE CASCADE,  
  -> PRIMARY KEY(NIMFK,kode_mkFK)  
  -> );  
Query OK, 0 rows affected (0.681 sec)
```

```
ERROR 1072 (42000): Key column 'NIPFK' doesn't exist in table  
MariaDB [kuliah]> CREATE TABLE dosen_keepup_mata_kuliah(  
-> NIPFK INTEGER REFERENCES dosen(NIP)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> PRIMARY KEY(NIPFK,kode_mkFK)  
-> );  
Query OK, 0 rows affected (0.433 sec)
```

```
MariaDB [kuliah]> CREATE TABLE dosen_use_ruang_kelas(  
-> NIPFK INTEGER REFERENCES dosen(NIP)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> kode_ruangFK INTEGER REFERENCES ruang_kelas(kode_ruang)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> PRIMARY KEY(NIPFK,kode_ruangFK)  
-> );  
Query OK, 0 rows affected (0.258 sec)
```

```
MariaDB [kuliah]> CREATE TABLE mata_kuliah_fill_ruang_kelas(  
-> kode_mkFK INTEGER REFERENCES mata_kuliah(kode_mk)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> kode_ruangFK INTEGER REFERENCES ruang_kelas(kode_ruang)  
-> ON DELETE CASCADE ON UPDATE CASCADE,  
-> PRIMARY KEY(kode_mkFK,kode_ruangFK)  
-> );  
Query OK, 0 rows affected (0.207 sec)
```