

LAPORAN AWAL BASIS DATA

LAPORAN KE-2



Disusun Oleh :

Nama :Febiyanto Rizki Qurbandi

NIM :231011450284

Kelas :04TPLP003

**TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS PAMULANG**

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TUGAS PRAKTIKUM

A) Membuat, Menampilkan, dan Memilih, dan Menghapus Database

```

MariaDB [(none)]> create database unpam;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| Universitas |
| information_schema |
| kampus |
| koperasi |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
| unpam |
+-----+
9 rows in set (0.002 sec)

MariaDB [(none)]> use unpam;
Database changed
MariaDB [unpam]> drop database unpam;
Query OK, 0 rows affected, 2 warnings (0.002 sec)

MariaDB [(none)]> SELECT
  → 'Febiyanto Rizki Qurbandi' AS Nama,
  → '231011450284' AS NIM,
  → '04TLP003' AS Kelas,
  → 'Basis Data' AS Mata_Kuliah;
+-----+-----+-----+-----+
| Nama | NIM | Kelas | Mata_Kuliah |
+-----+-----+-----+-----+
| Febiyanto Rizki Qurbandi | 231011450284 | 04TLP003 | Basis Data |
+-----+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [(none)]> 

```

B) Membuat, Menampilkan, Merubah Nama, dan Menghapus Table

```

MariaDB [(none)]> create database kampus;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use kampus;
Database changed
<ble dosen(nip int(12),nama char(20),telepon varchar(12),primary
→ key(nip));
Query OK, 0 rows affected (0.052 sec)

MariaDB [kampus]> show tables;
+-----+
| Tables_in_kampus |
+-----+
| dosen             |
+-----+
1 row in set (0.000 sec)

MariaDB [kampus]> desc dosen;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nip   | int(12)   | NO   | PRI | NULL    |       |
| nama  | char(20)  | YES  |     | NULL    |       |
| telepon | varchar(12) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.003 sec)

MariaDB [kampus]> rename table dosen to data_dosen;
Query OK, 0 rows affected (0.041 sec)

MariaDB [kampus]> drop table data_dosen;
Query OK, 0 rows affected (0.020 sec)

MariaDB [kampus]> SELECT
→ 'Febiyanto Rizki Qurbandi' AS Nama,
→ '231011450284' AS NIM,
→ '04TLP003' AS Kelas,
→ 'Basis Data' AS Mata_Kuliah;
+-----+-----+-----+-----+
| Nama          | NIM          | Kelas    | Mata_Kuliah |
+-----+-----+-----+-----+
| Febiyanto Rizki Qurbandi | 231011450284 | 04TLP003 | Basis Data  |
+-----+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [kampus]> 

```

C) Buatlah Struktur Database, dengan mengetik perintah di bawah ini

```
mysql>create database koperasi;
mysql>use koperasi;
mysql>create table anggota(nip int(10),nama char(20) not null,tempattinggal
varchar(30),kota char(10),primary key(nip));
mysql>create table pengurus(id int(10),nama varchar (20),alamat
varchar(20),tlp varchar(10),primary key(id));
mysql>create table nasabah(kode char(10),nama char(20),alamat
varchar(20),tlp varchar(10),primary key(kode));
mysql>show tables;
mysql>desc anggota;
mysql>desc pengurus;
mysql>desc nasabah;
```

```
MariaDB [(none)]> create database koperasi;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use koperasi;
Database changed
MariaDB [koperasi]> create table anggota(nip int(10),nama char(20) not null,tempattinggal
→ varchar(30),kota char(10),primary key(nip));
Query OK, 0 rows affected (0.017 sec)

MariaDB [koperasi]> create table pengurus(id int(10),nama varchar (20),alamat
→ varchar(20),tlp varchar(10),primary key(id));
Query OK, 0 rows affected (0.014 sec)

MariaDB [koperasi]> create table nasabah(kode char(10),nama char(20),alamat
→ varchar(20),tlp varchar(10),primary key(kode));
Query OK, 0 rows affected (0.016 sec)

MariaDB [koperasi]> show tables;
+-----+
| Tables_in_koperasi |
+-----+
| anggota             |
| nasabah              |
| pengurus             |
+-----+
3 rows in set (0.000 sec)

MariaDB [koperasi]> desc anggota;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nip   | int(10) | NO | PRI | NULL | |
| nama  | char(20) | NO | | NULL | |
| tempattinggal | varchar(30) | YES | | NULL | |
| kota  | char(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)
```

```
MariaDB [koperasi]> desc pengurus;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int(10) | NO | PRI | NULL | |
| nama  | varchar(20) | YES | | NULL | |
| alamat | varchar(20) | YES | | NULL | |
| tlp   | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [koperasi]> desc nasabah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| kode  | char(10) | NO | PRI | NULL | |
| nama  | char(20) | YES | | NULL | |
| alamat | varchar(20) | YES | | NULL | |
| tlp   | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.002 sec)

MariaDB [koperasi]> SELECT
→ 'Febiyanto Rizki Qurbandi' AS Nama,
→ '231011450284' AS NIM,
→ '04TLP003' AS Kelas,
→ 'Basis Data' AS Mata_Kuliah;
+-----+-----+-----+-----+
| Nama | NIM | Kelas | Mata_Kuliah |
+-----+-----+-----+-----+
| Febiyanto Rizki Qurbandi | 231011450284 | 04TLP003 | Basis Data |
+-----+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [koperasi]> █
```

D) Buatlah Struktur Database berdasarkan tabel di bawah ini
nama database : Universitas dan nama table : Mahasiswa

NO	Nama Field	Tipe	Panjang
1	Nim	Int	12
2	Nama	Varchar	15
3	Alamat	Text	-
4	Email	Varchar	15
5	Telepon	Varchar	12

```

MariaDB [koperasi]> create database Universitas;
Query OK, 1 row affected (0.000 sec)

MariaDB [koperasi]> use Universitas;
Database changed
MariaDB [Universitas]> CREATE TABLE Mahasiswa (
  → Nim INT(12) PRIMARY KEY,
  → Nama VARCHAR(15) NOT NULL,
  → Alamat TEXT,
  → Email VARCHAR(15),
  → Telepon VARCHAR(12)
  → );
Query OK, 0 rows affected (0.016 sec)

MariaDB [Universitas]> SHOW TABLES;
+-----+
| Tables_in_Universitas |
+-----+
| Mahasiswa              |
+-----+
1 row in set (0.001 sec)

MariaDB [Universitas]> SELECT * FROM Mahasiswa;
Empty set (0.001 sec)

MariaDB [Universitas]> show tables;
+-----+
| Tables_in_Universitas |
+-----+
| Mahasiswa              |
+-----+
1 row in set (0.000 sec)

MariaDB [Universitas]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Nim   | int(12) | NO | PRI | NULL | |
| Nama  | varchar(15) | NO | | NULL | |
| Alamat | text | YES | | NULL | |
| Email | varchar(15) | YES | | NULL | |
| Telepon | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

```

```

MariaDB [koperasi]> create database Universitas;
Query OK, 1 row affected (0.000 sec)

MariaDB [koperasi]> use Universitas;
Database changed
MariaDB [Universitas]> CREATE TABLE Mahasiswa (
  → Nim INT(12) PRIMARY KEY,
  → Nama VARCHAR(15) NOT NULL,
  → Alamat TEXT,
  → Email VARCHAR(15),
  → Telepon VARCHAR(12)
  → );
Query OK, 0 rows affected (0.016 sec)

MariaDB [Universitas]> SHOW TABLES;
+-----+
| Tables_in_Universitas |
+-----+
| Mahasiswa              |
+-----+
1 row in set (0.001 sec)

MariaDB [Universitas]> SELECT * FROM Mahasiswa;
Empty set (0.001 sec)

MariaDB [Universitas]> show tables;
+-----+
| Tables_in_Universitas |
+-----+
| Mahasiswa              |
+-----+
1 row in set (0.000 sec)

MariaDB [Universitas]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Nim   | int(12) | NO | PRI | NULL | |
| Nama  | varchar(15) | NO | | NULL | |
| Alamat | text | YES | | NULL | |
| Email | varchar(15) | YES | | NULL | |
| Telepon | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [Universitas]> SELECT
  → 'Febiyanto Rizki Qurbandi' AS Nama,
  → '231011450284' AS NIM,
  → '04TLP003' AS Kelas,
  → 'Basis Data' AS Mata_Kuliah;
+-----+-----+-----+-----+
| Nama | NIM | Kelas | Mata_Kuliah |
+-----+-----+-----+-----+
| Febiyanto Rizki Qurbandi | 231011450284 | 04TLP003 | Basis Data |
+-----+-----+-----+-----+
1 row in set (0.000 sec)

```

