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UAS Teori Basis Data

1. Pembuatan database

```
Command Prompt - mysql -u x + v
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C:\Users\titik>cd c:/xampp

c:\xampp>cd mysql/bin

c:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.32-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database Mengirim_via_ATM;
Query OK, 1 row affected (0.021 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mengirim_via_atm   |
| mysql              |
| paperless_office   |
| performance_schema |
| perpustakaan       |
| phpmysadmin        |
| simrs               |
| test                |
+-----+
9 rows in set (0.060 sec)
```

2. Pembuatan tabel pengirim

```
MariaDB [Mengirim_via_ATM]> CREATE TABLE Pengirim (
-> id_pengirim INT NOT NULL AUTO_INCREMENT,
-> kartu_atm VARCHAR(25) NOT NULL,
-> pin_atm INT(10) NOT NULL,
-> kode_bank INT(10) NOT NULL,
-> nominal_uang INT(50) NOT NULL,
-> nomor_rekening_tujuan INT(50),
-> PRIMARY KEY (id_pengirim)
-> );
Query OK, 0 rows affected (0.070 sec)

MariaDB [Mengirim_via_ATM]> show tables;
+-----+
| Tables_in_mengirim_via_atm |
+-----+
| pengirim                    |
+-----+
1 row in set (0.011 sec)
```

3. Pembuatan tabel ATM

```
MariaDB [Mengirim_via_ATM]> CREATE TABLE ATM (
-> id_atm INT NOT NULL AUTO_INCREMENT,
-> data_pengirim VARCHAR(50) NOT NULL,
-> data_penerima VARCHAR(50) NOT NULL,
-> data_bank VARCHAR(50),
-> PRIMARY KEY (id_atm)
-> );
Query OK, 0 rows affected (0.022 sec)

MariaDB [Mengirim_via_ATM]> show tables;
+-----+
| Tables_in_mengirim_via_atm |
+-----+
| atm                          |
| pengirim                    |
+-----+
2 rows in set (0.001 sec)

MariaDB [Mengirim_via_ATM]>
```

4. Pembuatan tabel penerima

```
MariaDB [Mengirim_via_ATM]> CREATE TABLE Penerima (
-> id_penerima INT NOT NULL AUTO_INCREMENT,
-> notifikasi_uang_masuk VARCHAR(50) NOT NULL,
-> nama_pengirim VARCHAR(25) NOT NULL,
-> nomor_rekening_pengirim INT(50) NOT NULL,
-> nominal_uang INT(50),
-> PRIMARY KEY (id_penerima)
-> );
Query OK, 0 rows affected (0.028 sec)

MariaDB [Mengirim_via_ATM]> show tables;
+-----+
| Tables_in_mengirim_via_atm |
+-----+
| atm                          |
| penerima                    |
| pengirim                    |
+-----+
3 rows in set (0.001 sec)

MariaDB [Mengirim_via_ATM]>
```

5. Desc tables;

```
Command Prompt - mysql -u x + v

MariaDB [Mengirim_via_ATM]> desc pengirim;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| id_pengirim | int(11)   | NO   | PRI | NULL    | auto_increment |
| kartu_atm   | varchar(25) | NO   |     | NULL    |              |
| pin_atm     | int(10)   | NO   |     | NULL    |              |
| kode_bank   | int(10)   | NO   |     | NULL    |              |
| nominal_uang | int(50)   | NO   |     | NULL    |              |
| nomor_rekening_tujuan | int(50) | YES  |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.058 sec)

MariaDB [Mengirim_via_ATM]> desc ATM;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| id_atm     | int(11)   | NO   | PRI | NULL    | auto_increment |
| data_pengirim | varchar(50) | NO   |     | NULL    |              |
| data_penerima | varchar(50) | NO   |     | NULL    |              |
| data_bank   | varchar(50) | YES  |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.029 sec)

MariaDB [Mengirim_via_ATM]> desc penerima;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| id_penerima | int(11)   | NO   | PRI | NULL    | auto_increment |
| notifikasi_uang_masuk | varchar(50) | NO   |     | NULL    |              |
| nama_pengirim | varchar(25) | NO   |     | NULL    |              |
| nomor_rekening_pengirim | int(50) | NO   |     | NULL    |              |
| nominal_uang | int(50)   | YES  |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.029 sec)
```