

Merancang Database dengan SQL

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```
Microsoft Windows [Version 10.0.18363.900]
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C:\Users\MUHAMMAD AL FARRABI>cd/

C:\>cd/xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 44
Server version: 10.1.28-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, Oracle, MariaDB Corporation Ab and others.

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

Langkah pertama yaitu membuka cmd dan melakukan perintah sesuai di atas

```
MariaDB [(none)]> use tb_database
Database changed
MariaDB [tb_database]> create table ADMIN
-> (
->   USERNAME          varchar(50) not null,
->   PASSWORD           varchar(50),
->   NAMA LENGKAP       varchar(100),
->   EMAIL              varchar(75),
->   LEVEL              varchar(50),
->   primary key (USERNAME)
-> );
Query OK, 0 rows affected (0.38 sec)
```

Selanjutnya membuat database dengan creat databases tb_database;

Lalu membuat table dengan creat table Admin;

Dan seterusnya samapai table nya semua masuk

```
MariaDB [tb_database]> show tables;
+-----+
| Tables_in_tb_database |
+-----+
| admin                  |
+-----+
1 row in set (0.00 sec)

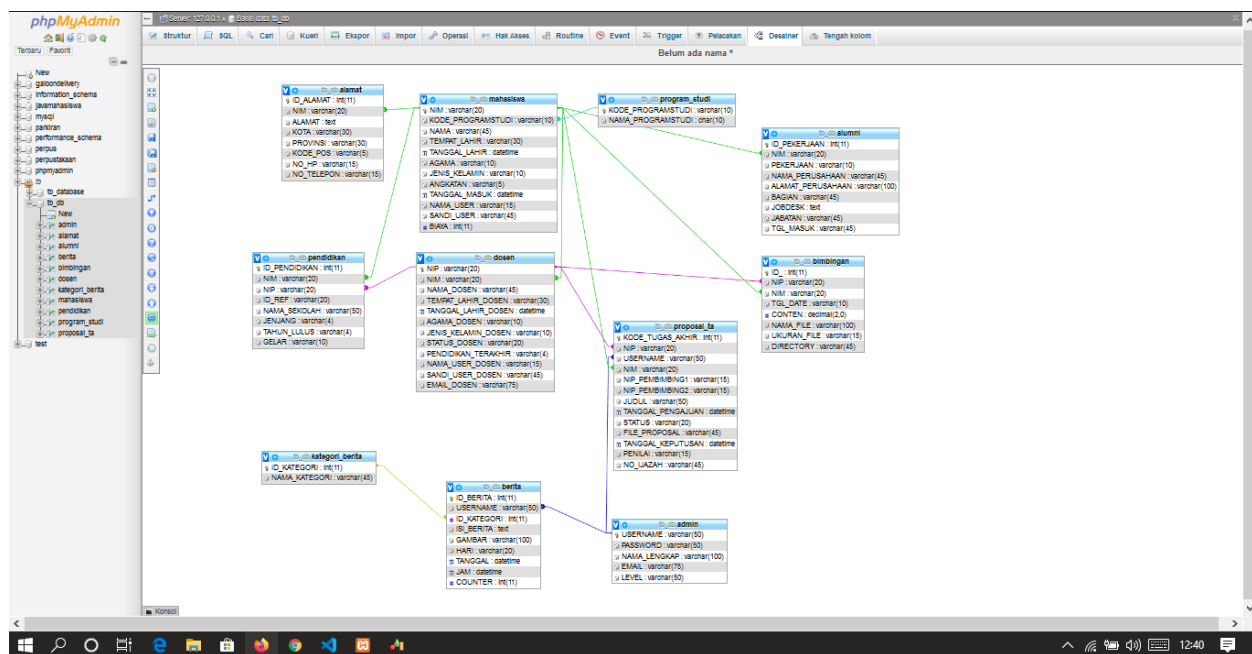
MariaDB [tb_database]> describe admin;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| USERNAME   | varchar(50)   | NO   | PRI | NULL    |       |
| PASSWORD   | varchar(50)   | YES  |     | NULL    |       |
| NAMA LENGKAP | varchar(100)  | YES  |     | NULL    |       |
| EMAIL      | varchar(75)   | YES  |     | NULL    |       |
| LEVEL      | varchar(50)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.05 sec)
```

```
MariaDB [tb_database]> show tables
-> ;

+-----+
| Tables_in_tb_database |
+-----+
| admin                  |
| alamat                |
| alumni                |
| berita                |
| bimbingan              |
| dosen                  |
| kategori_berita        |
| mahasiswa              |
| pendidikan             |
| program_studi          |
| proposal_ta            |
+-----+

11 rows in set (0.00 sec)
```

Jika semua query nya sudah masuk show tables untuk melihat jika ada yang terlewat.



Selanjutnya membuat relasi seperti diatas di phpmyadmin