LAPORAN TUGAS BESAR

**MERANCANG DATABASE DENGAN MENGGUNAKAN BAHASA
PEMROGRAMAN SQL**

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PROGRAM DIPLOMA IV TEKNIK INFORMATIKA

POLITEKNIK POS INDONESIA

BANDUNG

2020

1. Membuka xampp dan mengaktifkan mysql dan apache. Lalu klik window+r untuk membuka Command Prompt.
2. Mengikuti langkah sebagai berikut :

```
Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\hp>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 42
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use mysql;
Database changed
MariaDB [mysql]> create database db_tugas;
Query OK, 1 row affected (0.002 sec)
```

Setelah mysql terhubung dan sudah membuat tabel.

```
MariaDB [mysql]> show databases;
+------------------------+
| Database               |
+------------------------+
| absensi_mahasiswa      |
| apotek                 |
| ci_kosan               |
| db_tugas               |
| freebies_reservasihotel |
| information_schema     |
| mysql                  |
| performance_schema     |
| phpmyadmin             |
| regis_login            |
| tugas                  |
| userlogin              |
+------------------------+
12 rows in set (0.001 sec)
```

3. Setelah membuat tabel, kita akan membuat 11 kolom.
   - **Mahasiswa**

```
MariaDB [mysql]> use db_tugas;
Database changed
MariaDB [db_tugas]> create table mahasiswa
    -> (nim varchar(20) primary key,
    -> nama varchar(45),
    -> tempatLahir varchar(30),
    -> tanggalLahir date,
    -> agama varchar(10),
    -> jenisKelamin varchar (10),
    -> kodePemrogramStudi varchar(10),
    -> jejang varchar(4),
    -> angkatan varchar(5),
    -> tanggalMasuk date,
    -> namaUser varchar(15),
    -> sandiUser varchar(45),
    -> email varchar(75),
    -> biaya int(10),
    -> status varchar(20)
    -> );
Query OK, 0 rows affected (0.288 sec)

MariaDB [db_tugas]> show tables;
+--------------------+
| Tables_in_db_tugas |
+--------------------+
| mahasiswa          |
+--------------------+
1 row in set (0.001 sec)
```

```
MariaDB [db_tugas]> desc mahasiswa;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| nim              | varchar(20) | NO   | PRI | NULL    |       |
| idPendidikan     | int(11)     | NO   | MUL | NULL    |       |
| kodeProgramStudi | varchar(10) | NO   | MUL | NULL    |       |
| idAlamat         | int(11)     | NO   | MUL | NULL    |       |
| nama             | varchar(45) | YES  |     | NULL    |       |
| tempatLahir      | varchar(30) | YES  |     | NULL    |       |
| tanggalLahir     | date        | YES  |     | NULL    |       |
| agama            | varchar(10) | YES  |     | NULL    |       |
| jenisKelamin     | varchar(10) | YES  |     | NULL    |       |
| jenjang          | varchar(4)  | YES  |     | NULL    |       |
| angkatan         | varchar(5)  | YES  |     | NULL    |       |
| tanggalMasuk     | date        | YES  |     | NULL    |       |
| namaUser         | varchar(15) | YES  |     | NULL    |       |
| sandiUser        | varchar(45) | YES  |     | NULL    |       |
| email            | varchar(75) | YES  |     | NULL    |       |
| biaya            | int(10)     | YES  |     | NULL    |       |
| status           | varchar(20) | YES  |     | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
17 rows in set (0.060 sec)
```

- **Dosen**

```
MariaDB [db_tugas]> create table dosen
    -> (nip varchar(20) primary key,
    -> nama varchar(45),
    -> tempatLahir varchar(30),
    -> tanggalLahir date,
    -> agama varchar(20),
    -> jenisKelamin varchar(4),
    -> pendidikanTerakhir varchar(4),
    -> namaUser varchar(15),
    -> sandiUser varchar(45),
    -> email varchar(75)
    -> );
Query OK, 0 rows affected (0.454 sec)
```

```
MariaDB [db_tugas]> desc dosen;
+--------------------+-------------+------+-----+---------+-------+
| Field              | Type        | Null | Key | Default | Extra |
+--------------------+-------------+------+-----+---------+-------+
| nip                | varchar(20) | NO   | PRI | NULL    |       |
| idPendidikan       | int(10)     | NO   | MUL | NULL    |       |
| idAlamat           | int(10)     | NO   | MUL | NULL    |       |
| nama               | varchar(45) | YES  |     | NULL    |       |
| tempatLahir        | varchar(30) | YES  |     | NULL    |       |
| tanggalLahir       | date        | YES  |     | NULL    |       |
| agama              | varchar(20) | YES  |     | NULL    |       |
| jenisKelamin       | varchar(4)  | YES  |     | NULL    |       |
| status             | varchar(10) | NO   |     | NULL    |       |
| pendidikanTerakhir | varchar(4)  | YES  |     | NULL    |       |
| namaUser           | varchar(15) | YES  |     | NULL    |       |
| sandiUser          | varchar(45) | YES  |     | NULL    |       |
| email              | varchar(75) | YES  |     | NULL    |       |
+--------------------+-------------+------+-----+---------+-------+
13 rows in set (0.145 sec)
```

- **Alumni**

```
MariaDB [db_tugas]> create table alumni
    -> (idPekerjaan int(5) primary key,
    -> nim varchar(10),
    -> pekerjaan varchar(45),
    -> namaPerusahaan varchar(100),
    -> alamatPerusahaan text,
    -> kota varchar(45),
    -> bagian varchar(45),
    -> jobdesk text,
    -> jabatan varchar(45),
    -> tanggalMasuk varchar(45)
    -> );
Query OK, 0 rows affected (0.226 sec)

MariaDB [db_tugas]> show tables;
+------------------+
| Tables_in_db_tugas |
+------------------+
| alumni           |
| dosen            |
| mahasiswa        |
| proposalta       |
+------------------+
4 rows in set (0.001 sec)

MariaDB [db_tugas]> desc alumni;
+------------------+--------------+------+-----+---------+-------+
| Field            | Type         | Null | Key | Default | Extra |
+------------------+--------------+------+-----+---------+-------+
| idPekerjaan      | int(5)       | NO   | PRI | NULL    |       |
| nim              | varchar(10)  | YES  |     | NULL    |       |
| pekerjaan        | varchar(45)  | YES  |     | NULL    |       |
| namaPerusahaan   | varchar(100) | YES  |     | NULL    |       |
| alamatPerusahaan | text         | YES  |     | NULL    |       |
| kota             | varchar(45)  | YES  |     | NULL    |       |
| bagian           | varchar(45)  | YES  |     | NULL    |       |
| jobdesk          | text         | YES  |     | NULL    |       |
| jabatan          | varchar(45)  | YES  |     | NULL    |       |
| tanggalMasuk     | varchar(45)  | YES  |     | NULL    |       |
+------------------+--------------+------+-----+---------+-------+
10 rows in set (0.245 sec)
```

```
MariaDB [db_tugas]> desc alumni;
+------------------+--------------+------+-----+---------+-------+
| Field            | Type         | Null | Key | Default | Extra |
+------------------+--------------+------+-----+---------+-------+
| idPekerjaan      | int(5)       | NO   | PRI | NULL    |       |
| nim              | varchar(10)  | YES  | MUL | NULL    |       |
| pekerjaan        | varchar(45)  | YES  |     | NULL    |       |
| namaPerusahaan   | varchar(100) | YES  |     | NULL    |       |
| alamatPerusahaan | text         | YES  |     | NULL    |       |
| kota             | varchar(45)  | YES  |     | NULL    |       |
| bagian           | varchar(45)  | YES  |     | NULL    |       |
| jobdesk          | text         | YES  |     | NULL    |       |
| jabatan          | varchar(45)  | YES  |     | NULL    |       |
| tanggalMasuk     | varchar(45)  | YES  |     | NULL    |       |
+------------------+--------------+------+-----+---------+-------+
10 rows in set (0.059 sec)
```

- **Bimbingan**

```
MariaDB [db_tugas]> create table bimbingan
    -> (id int(5) primary key,
    -> kodeTugasAkhir varchar(10),
    -> nip varchar(10),
    -> tanggal date,
    -> koten decimal(2),
    -> status varchar(10),
    -> namaFile varchar(100),
    -> ukuranFile varchar(15),
    -> direktori varchar(45)
    -> );
Query OK, 0 rows affected (0.492 sec)

MariaDB [db_tugas]> show tables
    -> ;
+------------------+
| Tables_in_db_tugas |
+------------------+
| alumni           |
| bimbingan        |
| dosen            |
| mahasiswa        |
| programstudi     |
| proposalta       |
+------------------+
6 rows in set (0.001 sec)

MariaDB [db_tugas]> desc bimbingan;
+----------------+---------------+------+-----+---------+-------+
| Field          | Type          | Null | Key | Default | Extra |
+----------------+---------------+------+-----+---------+-------+
| id             | int(5)        | NO   | PRI | NULL    |       |
| kodeTugasAkhir | varchar(10)   | YES  |     | NULL    |       |
| nip            | varchar(10)   | YES  |     | NULL    |       |
| tanggal        | date          | YES  |     | NULL    |       |
| koten          | decimal(2,0)  | YES  |     | NULL    |       |
| status         | varchar(10)   | YES  |     | NULL    |       |
| namaFile       | varchar(100)  | YES  |     | NULL    |       |
| ukuranFile     | varchar(15)   | YES  |     | NULL    |       |
| direktori      | varchar(45)   | YES  |     | NULL    |       |
+----------------+---------------+------+-----+---------+-------+
9 rows in set (0.013 sec)
```

```
MariaDB [db_tugas]> desc bimbingan;
+------------+---------------+------+-----+---------+-------+
| Field      | Type          | Null | Key | Default | Extra |
+------------+---------------+------+-----+---------+-------+
| id         | int(5)        | NO   | PRI | NULL    |       |
| nim        | varchar(10)   | YES  | MUL | NULL    |       |
| nip        | varchar(10)   | YES  | MUL | NULL    |       |
| tanggal    | date          | YES  |     | NULL    |       |
| koten      | decimal(2,0)  | YES  |     | NULL    |       |
| status     | varchar(10)   | YES  |     | NULL    |       |
| namaFile   | varchar(100)  | YES  |     | NULL    |       |
| ukuranFile | varchar(15)   | YES  |     | NULL    |       |
| direktori  | varchar(45)   | YES  |     | NULL    |       |
+------------+---------------+------+-----+---------+-------+
9 rows in set (0.078 sec)
```

- **Programstudi**

```
MariaDB [db_tugas]> create table programstudi
    -> (kodeProgramStudi varchar(10),
    -> namaProgramStudi varchar(45)
    -> );
Query OK, 0 rows affected (0.303 sec)

MariaDB [db_tugas]> show tables;
+-------------------+
| Tables_in_db_tugas |
+-------------------+
| alumni            |
| dosen             |
| mahasiswa         |
| programstudi      |
| proposalta        |
+-------------------+
5 rows in set (0.001 sec)
```

```
MariaDB [db_tugas]> desc programstudi;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| kodeProgramStudi | varchar(10) | NO   | PRI | NULL    |       |
| namaProgramStudi | varchar(45) | YES  |     | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
2 rows in set (0.033 sec)
```

- Proposalta

```
MariaDB [db_tugas]> create table proposalta
    -> (kodeTugasAkhir int(5) primary key,
    -> nim varchar(15),
    -> nipPembimbing1 varchar(15),
    -> nipPembimbing2 varchar(15),
    -> judul varchar(50),
    -> tanggalPengajuan date,
    -> status varchar(15),
    -> fileProposal varchar(45),
    -> tanggalKeputusan date,
    -> penilai varchar(15),
    -> noIjasah varchar(45)
    -> );
Query OK, 0 rows affected (0.218 sec)

MariaDB [db_tugas]> show tables
    -> ;
+------------------+
| Tables_in_db_tugas |
+------------------+
| dosen            |
| mahasiswa        |
| proposalta       |
+------------------+
3 rows in set (0.001 sec)

MariaDB [db_tugas]> desc proposalta;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| kodeTugasAkhir   | int(5)      | NO   | PRI | NULL    |       |
| nim              | varchar(15) | YES  |     | NULL    |       |
| nipPembimbing1   | varchar(15) | YES  |     | NULL    |       |
| nipPembimbing2   | varchar(15) | YES  |     | NULL    |       |
| judul            | varchar(50) | YES  |     | NULL    |       |
| tanggalPengajuan | date        | YES  |     | NULL    |       |
| status           | varchar(15) | YES  |     | NULL    |       |
| fileProposal     | varchar(45) | YES  |     | NULL    |       |
| tanggalKeputusan | date        | YES  |     | NULL    |       |
| penilai          | varchar(15) | YES  |     | NULL    |       |
| noIjasah         | varchar(45) | YES  |     | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
11 rows in set (0.012 sec)
```

```
MariaDB [db_tugas]> desc proposalta;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| kodeTugasAkhir   | int(5)      | NO   | PRI | NULL    |       |
| username         | varchar(15) | YES  | MUL | NULL    |       |
| nip              | varchar(20) | YES  | MUL | NULL    |       |
| nim              | varchar(20) | YES  | MUL | NULL    |       |
| nipPembimbing1   | varchar(15) | YES  |     | NULL    |       |
| nipPembimbing2   | varchar(15) | YES  |     | NULL    |       |
| judul            | varchar(50) | YES  |     | NULL    |       |
| tanggalPengajuan | date        | YES  |     | NULL    |       |
| status           | varchar(15) | YES  |     | NULL    |       |
| fileProposal     | varchar(45) | YES  |     | NULL    |       |
| tanggalKeputusan | date        | YES  |     | NULL    |       |
| penilai          | varchar(15) | YES  |     | NULL    |       |
| noIjasah         | varchar(45) | YES  |     | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
13 rows in set (0.042 sec)
```

- **Admin**

```
MariaDB [db_tugas]> create table admin
    -> (username varchar(15) primary key,
    -> password varchar(50),
    -> nama_lengkap varchar(100),
    -> email varchar(100),
    -> level varchar(50)
    -> );
Query OK, 0 rows affected (0.205 sec)

MariaDB [db_tugas]> show tables
    -> ;
+-------------------+
| Tables_in_db_tugas |
+-------------------+
| admin             |
| alumni            |
| bimbingan         |
| dosen             |
| mahasiswa         |
| programstudi      |
| proposalta        |
+-------------------+
7 rows in set (0.001 sec)

MariaDB [db_tugas]> desc admin
    -> ;
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| username     | varchar(15)  | NO   | PRI | NULL    |       |
| password     | varchar(50)  | YES  |     | NULL    |       |
| nama_lengkap | varchar(100) | YES  |     | NULL    |       |
| email        | varchar(100) | YES  |     | NULL    |       |
| level        | varchar(50)  | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
5 rows in set (0.064 sec)
```

```
MariaDB [db_tugas]> desc admin;
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| username     | varchar(15)  | NO   | PRI | NULL    |       |
| password     | varchar(50)  | YES  |     | NULL    |       |
| nama_lengkap | varchar(100) | YES  |     | NULL    |       |
| email        | varchar(100) | YES  |     | NULL    |       |
| level        | varchar(50)  | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
5 rows in set (0.087 sec)
```

- **Berita**

```
MariaDB [db_tugas]> create table berita
    -> (idBerita int(5) primary key,
    -> idKategori int(5),
    -> username varchar(100),
    -> judul varchar(100),
    -> isi_berita text,
    -> gambar varchar(100),
    -> hari varchar(20),
    -> tanggal date,
    -> jam time,
    -> counter int(5)
    -> );
Query OK, 0 rows affected (0.165 sec)

MariaDB [db_tugas]> show tables;
+------------------+
| Tables_in_db_tugas |
+------------------+
| admin            |
| alumni           |
| berita           |
| bimbingan        |
| dosen            |
| mahasiswa        |
| programstudi     |
| proposalta       |
+------------------+
8 rows in set (0.001 sec)
```

```
MariaDB [db_tugas]> desc berita
    -> ;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| idBerita   | int(5)       | NO   | PRI | NULL    |       |
| idKategori | int(5)       | YES  | MUL | NULL    |       |
| username   | varchar(100) | YES  | MUL | NULL    |       |
| judul      | varchar(100) | YES  |     | NULL    |       |
| isi_berita | text         | YES  |     | NULL    |       |
| gambar     | varchar(100) | YES  |     | NULL    |       |
| hari       | varchar(20)  | YES  |     | NULL    |       |
| tanggal    | date         | YES  |     | NULL    |       |
| jam        | time         | YES  |     | NULL    |       |
| counter    | int(5)       | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
10 rows in set (0.075 sec)
```

- **Kategoriberita**

```
MariaDB [db_tugas]> create table kategoriberita
    -> (idKategori int primary key,
    -> namaKategori varchar(45)
    -> );
Query OK, 0 rows affected (0.197 sec)

MariaDB [db_tugas]> show tables;
+-------------------+
| Tables_in_db_tugas |
+-------------------+
| admin             |
| alumni            |
| berita            |
| bimbingan         |
| dosen             |
| kategoriberita    |
| mahasiswa         |
| programstudi      |
| proposalta        |
+-------------------+
9 rows in set (0.001 sec)

MariaDB [db_tugas]> desc kategoriberita;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| idKategori   | int(11)     | NO   | PRI | NULL    |       |
| namaKategori | varchar(45) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
2 rows in set (0.166 sec)
```

- **Pendidikan**

```
MariaDB [db_tugas]> create table pendidikan
    -> (idPendidikan int(4) primary key,
    -> idReff varchar(20),
    -> namaSekolah varchar(50),
    -> kota varchar(30),
    -> jenjang varchar(10),
    -> tahunLulus varchar(4),
    -> gelar varchar(10)
    -> );
Query OK, 0 rows affected (0.262 sec)

MariaDB [db_tugas]> show tables;
+------------------+
| Tables_in_db_tugas |
+------------------+
| admin            |
| alumni           |
| berita           |
| bimbingan        |
| dosen            |
| kategoriberita   |
| mahasiswa        |
| pendidikan       |
| programstudi     |
| proposalta       |
+------------------+
10 rows in set (0.001 sec)

MariaDB [db_tugas]> desc pendidikan;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| idPendidikan | int(4)      | NO   | PRI | NULL    |       |
| idReff       | varchar(20) | YES  |     | NULL    |       |
| namaSekolah  | varchar(50) | YES  |     | NULL    |       |
| kota         | varchar(30) | YES  |     | NULL    |       |
| jenjang      | varchar(10) | YES  |     | NULL    |       |
| tahunLulus   | varchar(4)  | YES  |     | NULL    |       |
| gelar        | varchar(10) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
7 rows in set (0.081 sec)
```

- **Alamat**

```
MariaDB [db_tugas]> create table alamat
    -> (idAlamat int(5) primary key,
    -> idReff varchar(20),
    -> alamat text,
    -> kota varchar(30),
    -> propinsi varchar(30),
    -> kdpost varchar(5),
    -> noTelp varchar(15),
    -> noHP varchar(15),
    -> email varchar(75)
    -> );
Query OK, 0 rows affected (0.330 sec)

MariaDB [db_tugas]> show tables;
+------------------+
| Tables_in_db_tugas |
+------------------+
| admin            |
| alamat           |
| alumni           |
| berita           |
| bimbingan        |
| dosen            |
| kategoriberita   |
| mahasiswa        |
| pendidikan       |
| programstudi     |
| proposalta       |
+------------------+
11 rows in set (0.001 sec)
```

```
MariaDB [db_tugas]> desc alamat;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| idAlamat | int(5)      | NO   | PRI | NULL    |       |
| alamat   | text        | YES  |     | NULL    |       |
| kota     | varchar(30) | YES  |     | NULL    |       |
| propinsi | varchar(30) | YES  |     | NULL    |       |
| kdpost   | varchar(5)  | YES  |     | NULL    |       |
| noTelp   | varchar(15) | YES  |     | NULL    |       |
| noHP     | varchar(15) | YES  |     | NULL    |       |
| email    | varchar(75) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
8 rows in set (0.061 sec)
```

Database :

Foreign key :

db_tugas alamat
- idAlamat : int(5)
- alamat : text
- kota : varchar(30)
- propinsi : varchar(30)
- kdpost : varchar(5)
- noTelp : varchar(15)
- noHP : varchar(15)
- email : varchar(75)

db_tugas pendidikan
- idPendidikan : int(4)
- namaSekolah : varchar(50)
- kota : varchar(30)
- jenjang : varchar(10)
- tahunLulus : varchar(4)
- gelar : varchar(10)

db_tugas admin
- username : varchar(15)
- password : varchar(50)
- nama_lengkap : varchar(100)
- email : varchar(100)
- level : varchar(50)

db_tugas mahasiswa
- nim : varchar(20)
- idPendidikan : int(11)
- kodeProgramStudi : varchar(10)
- idAlamat : int(11)
- nama : varchar(45)
- tempatLahir : varchar(30)
- tanggalLahir : date
- agama : varchar(10)
- jenisKelamin : varchar(10)
- jenjang : varchar(4)
- angkatan : varchar(5)
- tanggalMasuk : date
- namaUser : varchar(15)
- sandiUser : varchar(45)
- email : varchar(75)
- biaya : int(10)
- status : varchar(20)

db_tugas kategoriberita
- idKategori : int(11)
- namaKategori : varchar(45)

db_tugas proposalta
- kodeTugasAkhir : int(5)
- username : varchar(15)
- nip : varchar(20)
- nim : varchar(20)
- nipPembimbing1 : varchar(15)
- nipPembimbing2 : varchar(15)
- judul : varchar(50)
- tanggalPengajuan : date
- status : varchar(15)
- fileProposal : varchar(45)
- tanggalKeputusan : date
- penilai : varchar(15)
- noIjasah : varchar(45)

db_tugas bimbingan
- id : int(5)
- nim : varchar(10)
- nip : varchar(10)
- tanggal : date
- koten : decimal(2,0)
- status : varchar(10)
- namaFile : varchar(100)
- ukuranFile : varchar(15)
- direktori : varchar(45)

db_tugas alumni
- idPekerjaan : int(5)
- nim : varchar(10)
- pekerjaan : varchar(45)
- namaPerusahaan : varchar(100)
- alamatPerusahaan : text
- kota : varchar(45)
- bagian : varchar(45)
- jobdesk : text
- jabatan : varchar(45)
- tanggalMasuk : varchar(45)

db_tugas berita
- idBerita : int(5)
- idKategori : int(5)
- username : varchar(100)
- judul : varchar(100)
- isi_berita : text
- gambar : varchar(100)
- hari : varchar(20)
- tanggal : date
- jam : time
- counter : int(5)

db_tugas dosen
- nip : varchar(20)
- idPendidikan : int(10)
- idAlamat : int(10)
- nama : varchar(45)
- tempatLahir : varchar(30)
- tanggalLahir : date
- agama : varchar(20)
- jenisKelamin : varchar(4)
- status : varchar(10)
- pendidikanTerakhir : varchar(4)
- namaUser : varchar(15)
- sandiUser : varchar(45)
- email : varchar(75)

db_tugas programstudi
- kodeProgramStudi : varchar(10)
- namaProgramStudi : varchar(45)