

# **LAPORAN TUGAS**

## **SISTEM MANAJEMEN BASIS DATA**



**Oleh:**

2031730123

**MOKHAMMAD DWI NURKOLIS**

MI-2C

**D-III MANAJEMEN INFORMATIKA  
PSDKU POLITEKNIK NEGERI MALANG  
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## A. HASIL TUGAS

- Membuat tabel mahasiswa dan isinya

```
MariaDB [smbd06_2c_123]> create table mahasiswa
-> (mhsnim int not null primary key,
-> mhsnama varchar(15)
-> );
Query OK, 0 rows affected (0.047 sec)

MariaDB [smbd06_2c_123]> select * from mahasiswa;
Empty set (0.007 sec)

MariaDB [smbd06_2c_123]> insert into mahasiswa val
-> ('1','Andrian'),
-> ('2','Silvia'),
-> ('3','Bastian'),
-> ('4','Rocky'),
-> ('5','Brian');
Query OK, 5 rows affected (0.005 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
MariaDB [smbd06_2c_123]> select * from mahasiswa;
+-----+-----+
| mhsnim | mhsnama |
+-----+-----+
|      1 | Andrian |
|      2 | Silvia  |
|      3 | Bastian |
|      4 | Rocky   |
|      5 | Brian   |
+-----+-----+
5 rows in set (0.001 sec)
```

### 1. Menampilkan daftar user di dalam mysql.

```
MariaDB [smbd06_2c_123]> select user, host, password from mysql.user;
+-----+-----+-----+
| User | Host      | Password |
+-----+-----+-----+
| root | localhost |          |
| root | 127.0.0.1 |          |
| root | ::1       |          |
| pma  | localhost |          |
| mhs2 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
| mhs3 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
+-----+-----+-----+
6 rows in set (0.003 sec)
```

## 2. Menambahkan akun di dalam mysql.

### Manambahkan akun tanpa password

```
MariaDB [smbd06_2c_123]> create user 'mhs1' @'localhost' identified by '';
Query OK, 0 rows affected (0.003 sec)

MariaDB [smbd06_2c_123]> create user 'mhs1' @'localhost' identified by '';
ERROR 1396 (HY000): Operation CREATE USER failed for 'mhs1'@'localhost'
MariaDB [smbd06_2c_123]> select user, host, password from mysql.user;
+-----+-----+-----+
| User | Host      | Password |
+-----+-----+-----+
| root | localhost |          |
| mhs1 | localhost |          |
| root | 127.0.0.1 |          |
| root | ::1       |          |
| pma  | localhost |          |
| mhs2 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
| mhs3 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
+-----+-----+-----+
7 rows in set (0.003 sec)
```

### Menambahkan akun menggunakan password

```
MariaDB [smbd06_2c_123]> drop user 'mhs2'@'localhost';
Query OK, 0 rows affected (0.003 sec)

MariaDB [smbd06_2c_123]> create user 'mhs2' @'localhost' identified by 'light';
Query OK, 0 rows affected (0.005 sec)

MariaDB [smbd06_2c_123]> select user, host, password from mysql.user;
+-----+-----+-----+
| User | Host      | Password |
+-----+-----+-----+
| root | localhost |          |
| mhs1 | localhost |          |
| root | 127.0.0.1 |          |
| root | ::1       |          |
| pma  | localhost |          |
| mhs2 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
| mhs3 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
+-----+-----+-----+
7 rows in set (0.003 sec)
```

## 3. Menghapus akun di dalam mysql.

### Menghapus akun mhs1

```
MariaDB [smbd06_2c_123]> drop user 'mhs1'@'localhost';
Query OK, 0 rows affected (0.004 sec)

MariaDB [smbd06_2c_123]> select user, host, password from mysql.user;
+-----+-----+-----+
| User | Host      | Password |
+-----+-----+-----+
| root | localhost |          |
| root | 127.0.0.1 |          |
| root | ::1       |          |
| pma  | localhost |          |
| mhs2 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
| mhs3 | localhost | *8F5B4BB12AA94CAB4C54DEA605E81D20CBDF4967 |
+-----+-----+-----+
6 rows in set (0.003 sec)
```

## 4. Mencoba mengecek akun buatan.

### Mengecek akun mhs1

```
C:\xampp\mysql\bin>mysql -u mhs1
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.4.20-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)]> _
```

### Mengecek akun mhs2

```
C:\xampp\mysql\bin>mysql -u mhs2 -pflight
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 15
Server version: 10.4.20-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)]> _
```

## 5. Memberikan hak akses.

```
MariaDB [(none)]> grant select
-> on smbd06_2c_123.*
-> to 'mhs2'@'localhost';
Query OK, 0 rows affected (0.004 sec)

MariaDB [(none)]> show grants
-> ;
+-----+
| Grants for root@localhost |
+-----+
| GRANT ALL PRIVILEGES ON *.* TO 'root'@'localhost' WITH GRANT OPTION |
| GRANT PROXY ON ''@%' TO 'root'@'localhost' WITH GRANT OPTION |
+-----+
2 rows in set (0.001 sec)
```

### Mengecek hak akses untuk user mhs2

```
MariaDB [smbd06_2c_123]> select * from mahasiswa
-> ;
+-----+-----+
| mhsnim | mhsnama |
+-----+-----+
| 1      | Andrian |
| 2      | Silvia  |
| 3      | Bastian |
| 4      | Rocky   |
| 5      | Brian   |
+-----+-----+
5 rows in set (0.001 sec)

MariaDB [smbd06_2c_123]>
```

## 6. Menghapus hak akses.

```
MariaDB [smbd06_2c_123]> show grants;
+-----+
| Grants for root@localhost |
+-----+
| GRANT ALL PRIVILEGES ON *.* TO `root`@`localhost` WITH GRANT OPTION |
| GRANT PROXY ON ''@'%' TO 'root'@'localhost' WITH GRANT OPTION |
+-----+
2 rows in set (0.001 sec)
```

## 7. Mengecek hak akses.

```
MariaDB [(none)]> use smbd06_2c_123
ERROR 1044 (42000): Access denied for user 'mhs2'@'localhost' to database 'smbd06_2c_123'
MariaDB [(none)]>
```