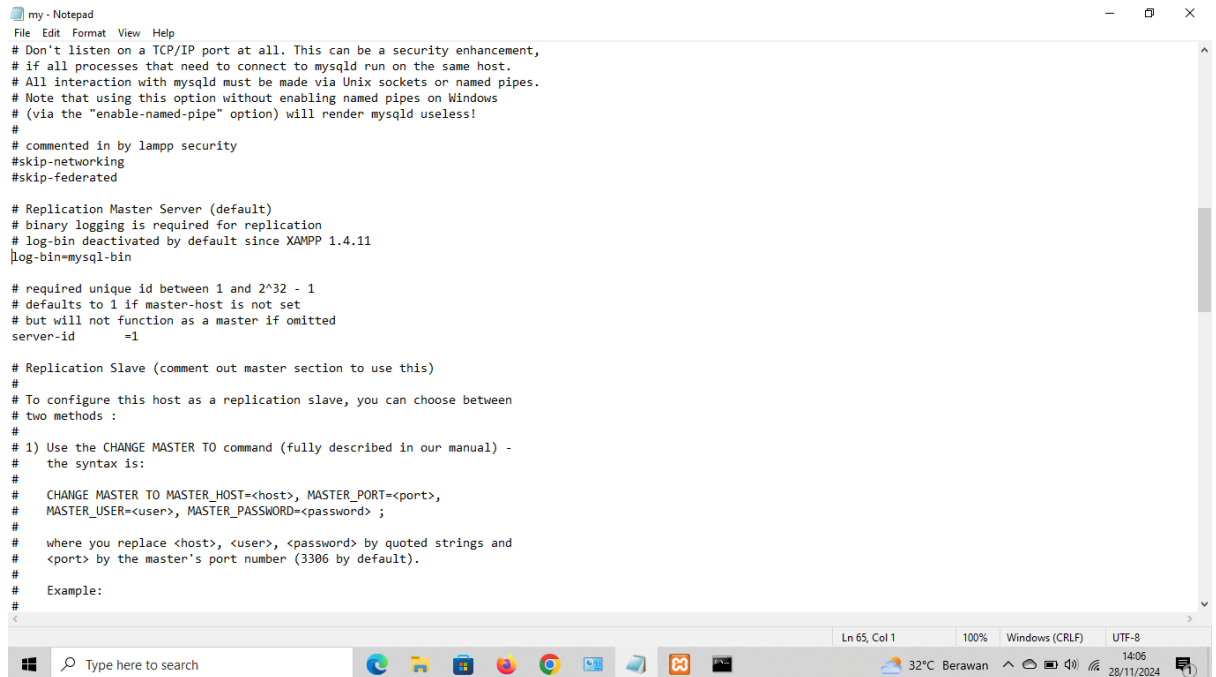# LAPORAN PRAKTIKUM MEMBUAT DESAIN BASIS DATA

SEBAGAI MASTER

OLEH
AMELIA CANDRA DEWI
243307066/1C
DOSEN PENGAMPU : Pak Gus Nanag

JURUSAN TEKNIK
PROGRAM STUDI TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MADIUN

1. Hapus # pada log-bin=mysql-bin :

```
# Don't listen on a TCP/IP port at all. This can be a security enhancement,
# if all processes that need to connect to mysqld run on the same host.
# All interaction with mysqld must be made via Unix sockets or named pipes.
# Note that using this option without enabling named pipes on Windows
# (via the "enable-named-pipe" option) will render mysqld useless!
#
# commented in by lampp security
#skip-networking
#skip-federated

# Replication Master Server (default)
# binary logging is required for replication
# log-bin deactivated by default since XAMPP 1.4.11
log-bin=mysql-bin

# required unique id between 1 and 2^32 - 1
# defaults to 1 if master-host is not set
# but will not function as a master if omitted
server-id       =1

# Replication Slave (comment out master section to use this)
#
# To configure this host as a replication slave, you can choose between
# two methods :
#
# 1) Use the CHANGE MASTER TO command (fully described in our manual) -
#    the syntax is:
#
#    CHANGE MASTER TO MASTER_HOST=<host>, MASTER_PORT=<port>,
#    MASTER_USER=<user>, MASTER_PASSWORD=<password> ;
#
#    where you replace <host>, <user>, <password> by quoted strings and
#    <port> by the master's port number (3306 by default).
#
#    Example:
#
```

2. Membuat user, grant, dan show master status :

```
Setting environment for using XAMPP for Windows.
user@LAPTOP-0OQ0USHD c:\xampp
# mysql -u root -h 127.0.0.1 -P 3306 -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.32-MariaDB-log 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)]> CREATE USER 'replication'@'%' identified by 'basisdata';
Query OK, 0 rows affected (0.218 sec)

MariaDB [(none)]> GRANT REPLICATION SLAVE ON *.* TO 'replication'@'%';
Query OK, 0 rows affected (0.129 sec)

MariaDB [(none)]> SHOW MASTER STATUS;
+------------------+----------+--------------+------------------+
| File             | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+------------------+----------+--------------+------------------+
| mysql-bin.000002 |      660 |              |                  |
+------------------+----------+--------------+------------------+
1 row in set (0.087 sec)
```

3. Buat database db_Agentelur :

```
MariaDB [(none)]> SHOW MASTER STATUS;
+------------------+----------+--------------+------------------+
| File             | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+------------------+----------+--------------+------------------+
| mysql-bin.000002 |      660 |              |                  |
+------------------+----------+--------------+------------------+
1 row in set (0.087 sec)

MariaDB [(none)]> CREATE DATABASE db_Agentelur;
Query OK, 1 row affected (0.100 sec)

MariaDB [(none)]> use db_Agentelur;
```

4. Create table jabatan :

```
MariaDB [db_Agentelur]> create table Jabatan (
    -> id_Jabatan int,
    -> Jabatan varchar(20),
    -> primary key (id_Jabatan)
    -> );
Query OK, 0 rows affected (0.219 sec)

MariaDB [db_Agentelur]> insert into Jabatan (id_Jabatan, Jabatan)
    -> value
    -> ('10300', 'Owner'),
    -> ('10301', 'Karyawan');
Query OK, 2 rows affected (0.157 sec)
Records: 2  Duplicates: 0  Warnings: 0

MariaDB [db_Agentelur]> select * from Jabatan;
+-----------+----------+
| id_Jabatan | Jabatan |
+-----------+----------+
|     10300 | Owner    |
|     10301 | Karyawan |
+-----------+----------+
2 rows in set (0.001 sec)
```

5. Create table pengguna :

```
MariaDB [db_Agentelur]> create table Pengguna (
    -> id_Pengguna int,
    -> id_Jabatan int,
    -> Nama_pengguna varchar(50),
    -> Alamat varchar(50),
    -> No_telepon_pengguna varchar(45),
    -> primary key (id_Pengguna),
    -> foreign key (id_Jabatan) references Jabatan(id_Jabatan)
    -> );
Query OK, 0 rows affected (0.236 sec)

MariaDB [db_Agentelur]>
```

```
MariaDB [db_Agentelur]> insert into Pengguna (Nama_pengguna, Alamat, id_Pengguna, id_Jabatan)
    -> value
    -> ('Atik Supriyati', 'Jl Penataran gg 2 Kel. Patihan, Kec. Manguharjo, Kota Madiun', '205600', '10300'),
    -> ('Nazwa Camila', 'Kelurahan Kartoharjo Kota Madiun', '255601', '10301'),
    -> ('Amelia Candra', 'Kel. Patihan, Kec. Manguharjo Kota Madiun', '255602', '10301');
Query OK, 3 rows affected, 1 warning (0.156 sec)
Records: 3  Duplicates: 0  Warnings: 1
```

```
MariaDB [db_Agentelur]> select * from Pengguna;
+------------+-----------+----------------+------------------------------------------------------+---------------------+
| id_Pengguna | id_Jabatan | Nama_pengguna | Alamat                                               | No_telepon_pengguna |
+------------+-----------+----------------+------------------------------------------------------+---------------------+
|     205600 |     10300 | Atik Supriyati | Jl Penataran gg 2 Kel. Patihan, Kec. Manguharjo, K  | NULL                |
|     255601 |     10301 | Nazwa Camila   | Kelurahan Kartoharjo Kota Madiun                     | NULL                |
|     255602 |     10301 | Amelia Candra  | Kel. Patihan, Kec. Manguharjo Kota Madiun            | NULL                |
+------------+-----------+----------------+------------------------------------------------------+---------------------+
3 rows in set (0.077 sec)
```

6. Create table telur :

```
MariaDB [db_Agentelur]> create table Telur (
    -> id_Telur int,
    -> Jenis_telur varchar(20),
    -> Harga varchar(20),
    -> primary key (id_Telur)
    -> );
Query OK, 0 rows affected (0.182 sec)
```

```
MariaDB [db_Agentelur]> insert into Telur (id_Telur, Jenis_telur, Harga)
    -> value
    -> ('785600', 'Telur ayam negeri', '23.000/kg'),
    -> ('795601', 'Telur ayam kampung', '30.000/kg'),
    -> ('805602', 'Telur ayam omega', '42.000/kg');
Query OK, 3 rows affected (0.047 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [db_Agentelur]> select * from Telur;
+----------+--------------------+-----------+
| id_Telur | Jenis_telur        | Harga     |
+----------+--------------------+-----------+
|   785600 | Telur ayam negeri  | 23.000/kg |
|   795601 | Telur ayam kampung | 30.000/kg |
|   805602 | Telur ayam omega   | 42.000/kg |
+----------+--------------------+-----------+
3 rows in set (0.001 sec)
```

7. Create table supplier :

```
MariaDB [db_Agentelur]> create table Supplier (
    -> id_Supplier int,
    -> Nama_supplier varchar(30),
    -> No_telepon int,
    -> Alamat varchar(50),
    -> primary key (id_Supplier)
    -> );
Query OK, 0 rows affected (0.156 sec)

MariaDB [db_Agentelur]> insert into Supplier (id_Supplier, Nama_supplier, No_telepon, Alamat)
    -> value
    -> ('1278', 'Supriadi', '089791876546', 'Dolopo'),
    -> ('1379', 'Oemah telur', '087626520972', 'Kota madiun'),
    -> ('1480', 'Maju Berkah', '083465792010', 'Tawang rejo');
Query OK, 3 rows affected, 3 warnings (0.113 sec)
Records: 3  Duplicates: 0  Warnings: 3

MariaDB [db_Agentelur]> select * from Supplier;
+-------------+---------------+------------+-------------+
| id_Supplier | Nama_supplier | No_telepon | Alamat      |
+-------------+---------------+------------+-------------+
|        1278 | Supriadi      | 2147483647 | Dolopo      |
|        1379 | Oemah telur   | 2147483647 | Kota madiun |
|        1480 | Maju Berkah   | 2147483647 | Tawang rejo |
+-------------+---------------+------------+-------------+
3 rows in set (0.000 sec)
```

8. Create table pelanggan :

```
MariaDB [db_Agentelur]> create table Pelanggan (
    -> id_Pelanggan int,
    -> Nama varchar(30),
    -> Alamat varchar(50),
    -> No_telepon int,
    -> primary key (id_Pelanggan)
    -> );
Query OK, 0 rows affected (0.333 sec)

MariaDB [db_Agentelur]> insert into Pelanggan (id_Pelanggan, Nama, Alamat, No_telepon)
    -> value
    -> ('1230', 'Raka', 'Mojopurno', '085233714050'),
    -> ('1231', 'Tia', 'Taman', '083854678231'),
    -> ('1232', 'Nanda', 'Pandean', '0897654290191');
Query OK, 3 rows affected, 3 warnings (0.053 sec)
Records: 3  Duplicates: 0  Warnings: 3

MariaDB [db_Agentelur]> select * from Pelanggan;
+--------------+-------+-----------+------------+
| id_Pelanggan | Nama  | Alamat    | No_telepon |
+--------------+-------+-----------+------------+
|         1230 | Raka  | Mojopurno | 2147483647 |
|         1231 | Tia   | Taman     | 2147483647 |
|         1232 | Nanda | Pandean   | 2147483647 |
+--------------+-------+-----------+------------+
3 rows in set (0.001 sec)

MariaDB [db_Agentelur]>
```

9. Create table transaksi :

```
MariaDB [db_Agentelur]> create table Transaksi (
    -> id_Transaksi int,
    -> id_Telur int,
    -> id_Pengguna int,
    -> id_Pelanggan int,
    -> Jumlah_transaksi int,
    -> Tanggal_transaksi date,
    -> primary key (id_Transaksi),
    -> foreign key (id_Telur) references Telur (id_Telur),
    -> foreign key (id_Pengguna) references Pengguna (id_Pengguna),
    -> foreign key (id_Pelanggan) references Pelanggan (id_Pelanggan)
    -> );
Query OK, 0 rows affected (0.461 sec)

MariaDB [db_Agentelur]> insert into Transaksi (id_Transaksi, id_Pengguna, id_Pelanggan, Tanggal_transaksi, Jumlah_transaksi)
    -> value
    -> ('171001', '255601', '1230', '2024/10/17', '50.000'),
    -> ('171002', '255602', '1231', '2024/10/17', '50.000'),
    -> ('171003', '255602', '1232', '2024/10/17', '50.000');
Query OK, 3 rows affected (0.157 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [db_Agentelur]> select * from Transaksi;
+--------------+----------+-------------+--------------+------------------+-------------------+
| id_Transaksi | id_Telur | id_Pengguna | id_Pelanggan | Jumlah_transaksi | Tanggal_transaksi |
+--------------+----------+-------------+--------------+------------------+-------------------+
|       171001 |     NULL |      255601 |         1230 |               50 | 2024-10-17        |
|       171002 |     NULL |      255602 |         1231 |               50 | 2024-10-17        |
|       171003 |     NULL |      255602 |         1232 |               50 | 2024-10-17        |
+--------------+----------+-------------+--------------+------------------+-------------------+
3 rows in set (0.040 sec)
```

10.Create table detail_transaksi :

```
MariaDB [db_Agentelur]> create table Detail_transaksi (
    -> id_Detail_transaksi int,
    -> id_Transaksi int,
    -> id_Telur int,
    -> Jumlah_telur int,
    -> primary key (id_Detail_transaksi),
    -> foreign key (id_Transaksi) references Transaksi (id_Transaksi),
    -> foreign key (id_Telur) references Telur (id_Telur)
    -> );
Query OK, 0 rows affected (0.183 sec)

MariaDB [db_Agentelur]> insert into Detail_transaksi (id_Detail_transaksi, id_Transaksi, id_Telur, Jumlah_telur)
    -> value
    -> ('18930', '171003', '805602', '2'),
    -> ('18931', '171003', '795601', '3');
Query OK, 2 rows affected (0.153 sec)
Records: 2  Duplicates: 0  Warnings: 0

MariaDB [db_Agentelur]> select * from Detail_transaksi;
+----------------------+--------------+-----------+--------------+
| id_Detail_transaksi | id_Transaksi | id_Telur | Jumlah_telur |
+----------------------+--------------+-----------+--------------+
|                18930 |       171003 |   805602 |            2 |
|                18931 |       171003 |   795601 |            3 |
+----------------------+--------------+-----------+--------------+
2 rows in set (0.001 sec)
```

11.Create table pemasokan :

```
MariaDB [db_Agentelur]> create table Pemasokan (
    -> id_Pemasokan int,
    -> id_Supplier int,
    -> id_Telur int,
    -> Tanggal_dipasok date,
    -> Jumlah_pasok int,
    -> primary key (id_Pemasokan),
    -> foreign key (id_Supplier) references Supplier (id_Supplier),
    -> foreign key (id_Telur) references Telur (id_Telur)
    -> );
Query OK, 0 rows affected (0.147 sec)

MariaDB [db_Agentelur]> insert into Pemasokan (id_Pemasokan, id_Supplier, id_Telur, Tanggal_dipasok, Jumlah_pasok)
    -> value
    -> ('193001', '1278', '785600', '2024/10/15', '10 peti'),
    -> ('193002', '1379', '795601', '2024/10/15', '10 peti'),
    -> ('193003', '1480', '805602', '2024/10/15', '10 peti');
Query OK, 3 rows affected, 3 warnings (0.047 sec)
Records: 3  Duplicates: 0  Warnings: 3

MariaDB [db_Agentelur]> select * from Pemasokan;
+--------------+-------------+-----------+-----------------+--------------+
| id_Pemasokan | id_Supplier | id_Telur | Tanggal_dipasok | Jumlah_pasok |
+--------------+-------------+-----------+-----------------+--------------+
|       193001 |        1278 |   785600 | 2024-10-15      |           10 |
|       193002 |        1379 |   795601 | 2024-10-15      |           10 |
|       193003 |        1480 |   805602 | 2024-10-15      |           10 |
+--------------+-------------+-----------+-----------------+--------------+
3 rows in set (0.000 sec)

MariaDB [db_Agentelur]> _
```