

**PRAKTIKUM EKSEKUSI
SEBAGAI REPLICATION MINGGU (13-14)**

Dosen Pengampu :

Gus Nanang Syaifuddiin, S.Kom., M.Kom.



DISUSUN OLEH :

Nama : Aidilia Fitriasaki

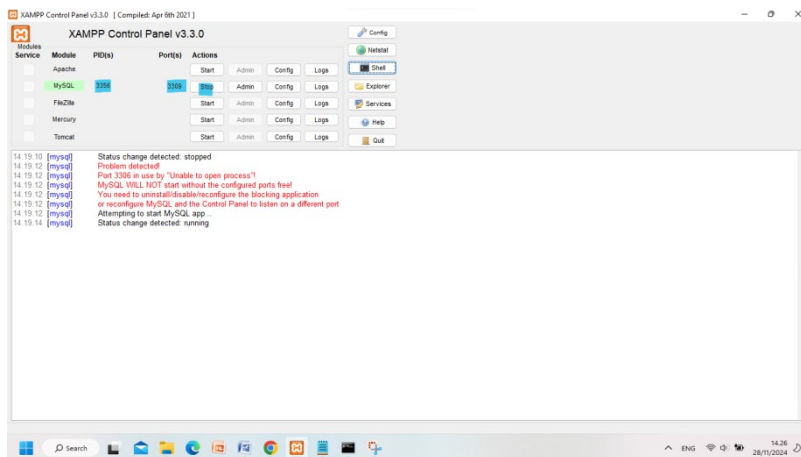
NIM : 243307062

**JURUSAN TEKNIK
TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MADIUN**

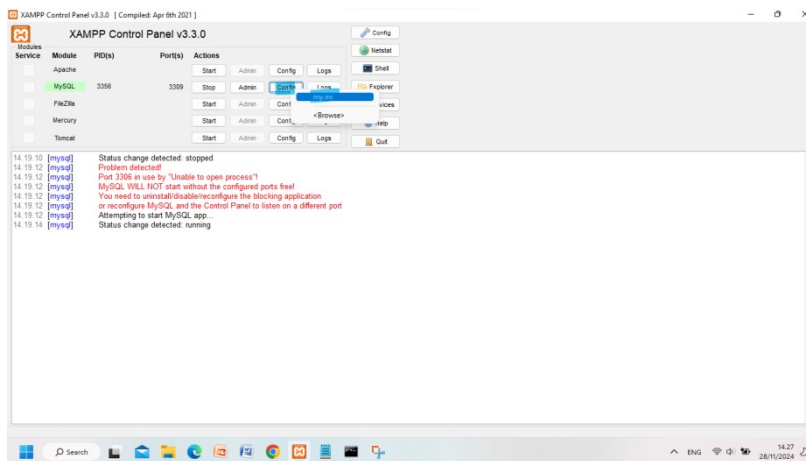
TAHUN 2024

A. Praktikum Sebagai Replica Minggu-13

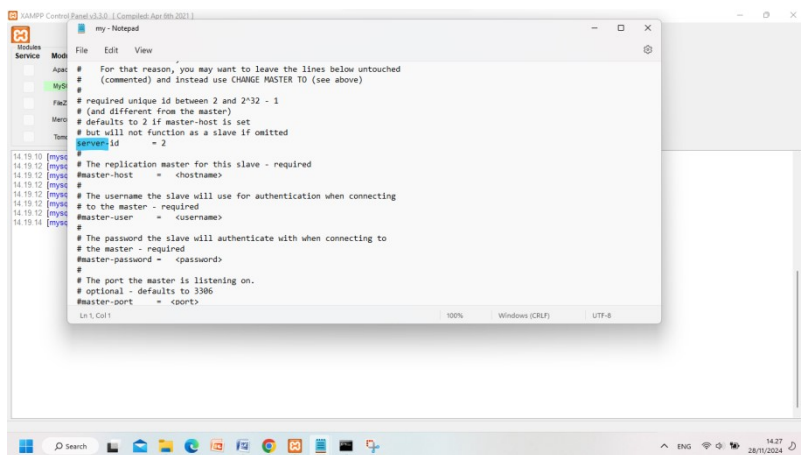
1. Buka aplikasi xampp, kemudian start mysql, tunggu sampai running muncul port



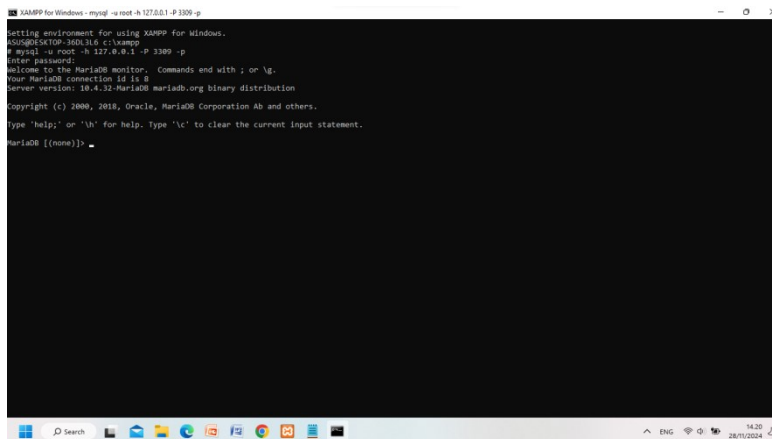
2. Selanjutnya buka config mysql buka my.ini



3. Cari server-id = 2, hapus tanda #(komentar) di depan server-id = 2 sesuai berikut, kemudian simpan konfigurasi

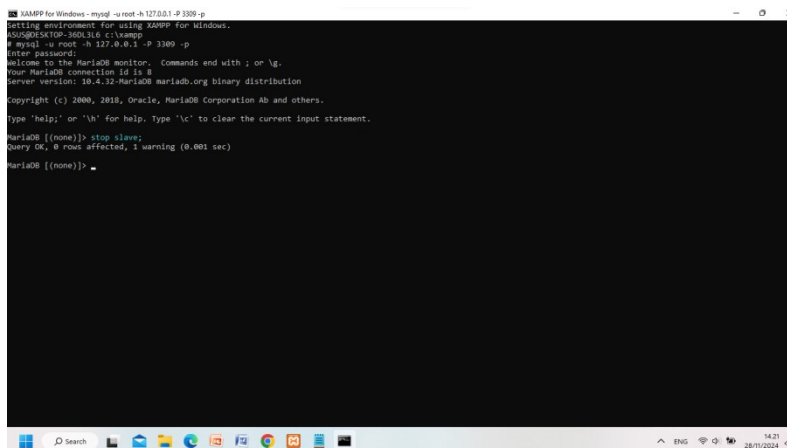


4. Masuk ke shell mysql xampp, masuk seperti berikut
Mysql -u root -h 127.0.0.1 -P 3309 -p, kemudian enter



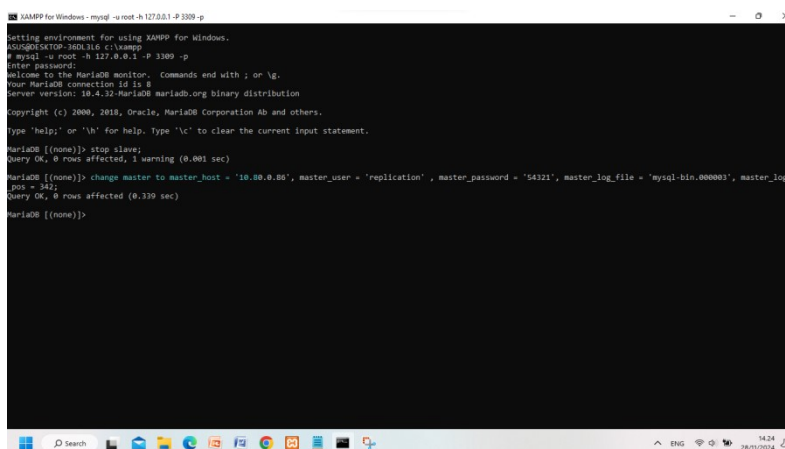
```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3309 -p
Setting environment for using XAMPP for Windows.
ASUSG05KTOP-360L3L6 c:\xampp
# mysql -u root -h 127.0.0.1 -P 3309 -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.32-MariaDB mariadb.org binary distribution
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. Langkah pertama ketikkan stop slave



```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3309 -p
Setting environment for using XAMPP for Windows.
ASUSG05KTOP-360L3L6 c:\xampp
# mysql -u root -h 127.0.0.1 -P 3309 -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
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)]> stop slave;
Query OK, 0 rows affected, 1 warning (0.001 sec)
MariaDB [(none)]>
```

6. Replication seperti berikut sesuaikan dengan master
Change master to master_host = '10.80.0.86', master_user = 'replication',
master_password = '54321', master_log_file = 'mysql-bin.000001', master_log_pos
= 342;



```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3309 -p
Setting environment for using XAMPP for Windows.
ASUSG05KTOP-360L3L6 c:\xampp
# mysql -u root -h 127.0.0.1 -P 3309 -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
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)]> stop slave;
Query OK, 0 rows affected, 1 warning (0.001 sec)
MariaDB [(none)]> change master to master_host = '10.80.0.86', master_user = 'replication', master_password = '54321', master_log_file = 'mysql-bin.000001', master_log_pos = 342;
Query OK, 0 rows affected (0.330 sec)
MariaDB [(none)]>
```

7. Kemudian mulai lagi slave dengan perintah start slave;

```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3306 -g
Query OK, 0 rows affected, 1 warning (0.001 sec)

MariaDB [(none)]> change master to master_host = '10.80.0.86', master_user = 'replication', master_password = '54321', master_log_file = 'mysql-bin.000003', master_log_pos = 342;
Query OK, 0 rows affected (0.339 sec)

MariaDB [(none)]> start slave;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> _
```

8. Jika error seperti berikut, lakukan langkah-langkah selanjutnya

```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3306 -g
MariaDB [(none)]> show slave status;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Slave_IO_State | Master_Host | Master_User | Master_Port | Connect_Retry | Master_Log_File | Read_Master_Log_Pos | Relay_Log_File | Relay_Log_Pos | Relay_Mas | |
| ter_Log_File | Slave_IO_Running | Slave_SQL_Running | Replicate_Do_DB | Replicate_Ignore_DB | Replicate_Ignore_Table | Replicate_Ignore_Table | Replicate_Wild_Do_Table | Replicate_Wild_Ig |
| nore_Table | Last_Error | Skip_Counter | Exec_Master_Log_Pos | Relay_Log_Space | Until_Condition | Until_Log_File | Until_Log_Pos | Master_S |
| ql_Allowed | Master_SSL_Ca_File | Master_SSL_Ca_Path | Master_SSL_Cert | Master_SSL_Cipher | Master_SSL_Key | Seconds_Behind_Master | Master_SSL_Verify_Server_Cert | La |
| st_IO_Error | Last_IO_Error | SQL_Error | Replicate_Ignore_Server_Ids | Master_Server_Id | Master_Ssl_Cr2 | Master_Ssl_Cr1path | Using_Gtid | Gtid_Id_Pos | Replicate_Do_Domain_Ids | Replicate_Ignore |
| Domain_Ids | Parallel_Mode | SQL_Delay | SQL_Remaining_Delay | Slave_SQL_Running_State | Slave_DDL_Groups | Slave_N |
| on_Transactional_Groups | Slave_Transactional_Groups |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 000003 | 10.80.0.86 | replication | 3306 | 60 | mysql-bin.000003 | 342 | mysql-relay-bin.000003 | 4 | mysql-bin | |
| 000003 | No | Yes | 0 | 342 | 256 | None | NULL | No | 0 | No |
| 1238 | Got fatal error 1238 from master when reading data from binary log: 'Could not find first log file name in binary log index file' | 0 | 0 |
| conservative | 0 | 1 | NULL | Slave has read all relay log; waiting for the slave I/O thread to update it | 0 | 0 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

9. Lakukan perintah sebagai berikut

Slave : stop slave;

Master : flush logs;

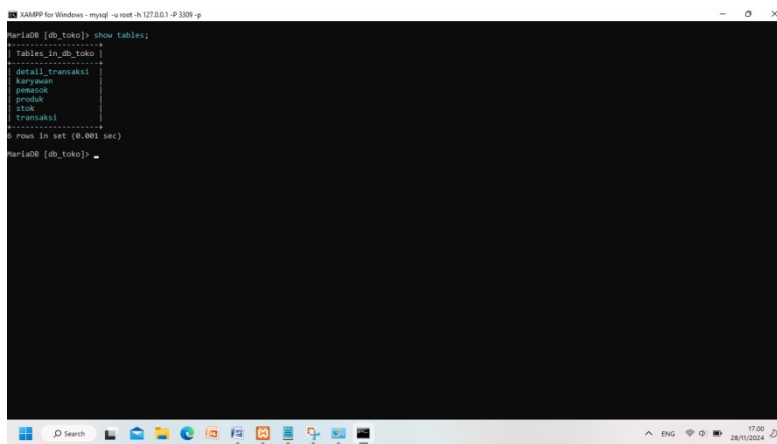
Master : show master status;

Slave : CHANGE MASTER TO MASTER_LOG_FILE='Log-Bin.000003',
MASTER_LOG_POS=342;

Slave : start slave;

Slave : show slave status;

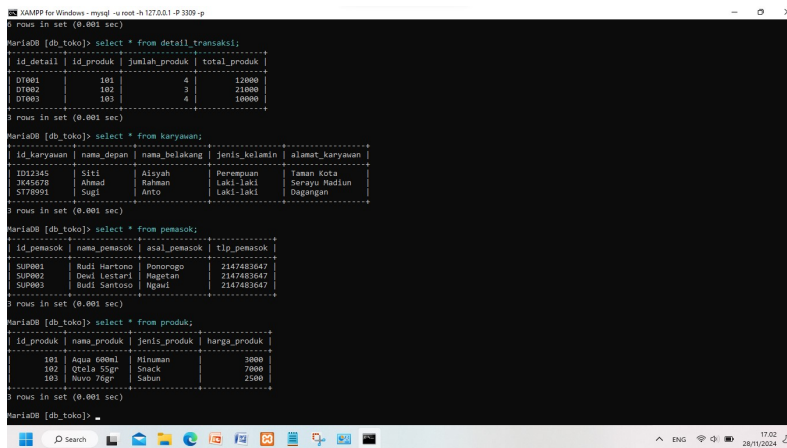
12. Lakukan perintah show tables, untuk melihat semua tabel yang sudah dibuat master



```
MySQL [db_toko]> show tables;
+-----+
| Tables_in_db_toko |
+-----+
| detail_transaksi |
| karyawan         |
| pemasok          |
| produk           |
| stok             |
| transaksi         |
+-----+
0 rows in set (0.001 sec)

MySQL [db_toko]>
```

13. Lakukan perintah select * from semua tabel untuk menampilkan data yang ada di tabel



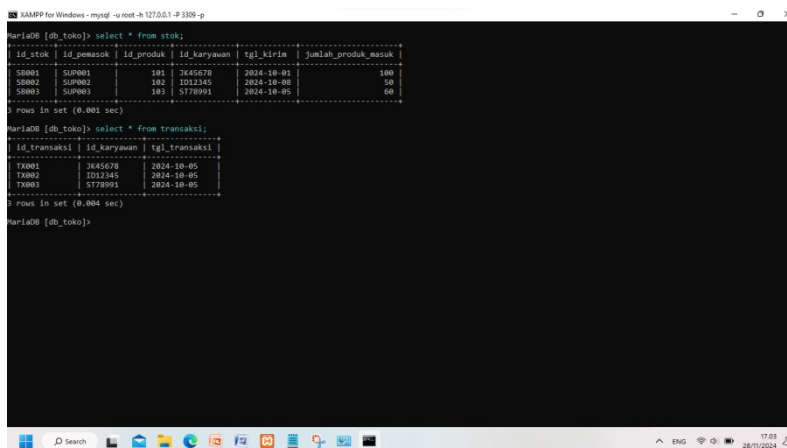
```
MySQL [db_toko]> select * from detail_transaksi;
+-----+-----+-----+-----+
| id_detail | id_produk | jumlah_produk | total_produk |
+-----+-----+-----+-----+
| DT001    | 101      | 4             | 12000        |
| DT002    | 102      | 3             | 21000        |
| DT003    | 103      | 4             | 16000        |
+-----+-----+-----+-----+
0 rows in set (0.001 sec)

MySQL [db_toko]> select * from karyawan;
+-----+-----+-----+-----+-----+
| id_karyawan | nama_depan | nama_belakang | jenis_kelamin | alamat_karyawan |
+-----+-----+-----+-----+-----+
| ID12345    | Siti      | Aisyah        | Perempuan      | Taman Kota      |
| 3645678    | Ahmad     | Rahman        | Laki-laki      | Serayu Hadun    |
| 5778991    | Sugil     | Anto          | Laki-laki      | Dagangan        |
+-----+-----+-----+-----+-----+
0 rows in set (0.001 sec)

MySQL [db_toko]> select * from pemasok;
+-----+-----+-----+-----+
| id_pemasok | nama_pemasok | asal_pemasok | tlp_pemasok |
+-----+-----+-----+-----+
| SUP001    | Rudi Hartono | Ponorego     | 2147483647   |
| SUP002    | Dwi Iestari  | Magelang     | 2147483647   |
| SUP003    | Budi Santoso | Ngawi        | 2147483647   |
+-----+-----+-----+-----+
0 rows in set (0.001 sec)

MySQL [db_toko]> select * from produk;
+-----+-----+-----+-----+
| id_produk | nama_produk | jenis_produk | harga_produk |
+-----+-----+-----+-----+
| 101      | Aqua 600ml | Minuman     | 3000         |
| 102      | Qtela 55gr  | Snack       | 7000         |
| 103      | Huvo 76gr   | Sabun       | 2500         |
+-----+-----+-----+-----+
0 rows in set (0.001 sec)

MySQL [db_toko]>
```



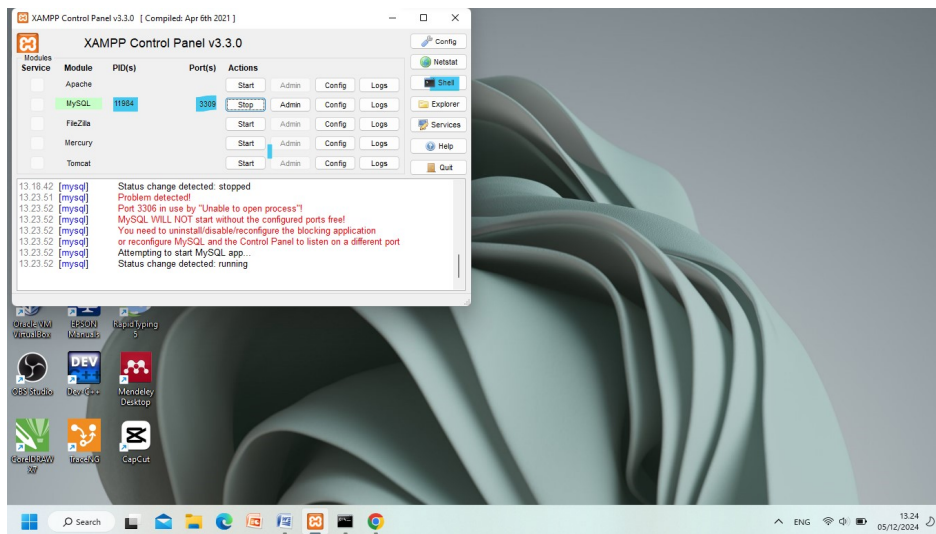
```
MySQL [db_toko]> select * from stok;
+-----+-----+-----+-----+-----+
| id_stok | id_pemasok | id_produk | id_karyawan | tgl_kirim | jumlah_produk_masuk |
+-----+-----+-----+-----+-----+
| S0001   | SUP001     | 101      | 3645678     | 2024-10-01 | 100                 |
| S0002   | SUP002     | 102      | ID12345     | 2024-10-08 | 50                  |
| S0003   | SUP003     | 103      | 5778991     | 2024-10-05 | 60                  |
+-----+-----+-----+-----+-----+
0 rows in set (0.001 sec)

MySQL [db_toko]> select * from transaksi;
+-----+-----+-----+
| id_transaksi | id_karyawan | tgl_transaksi |
+-----+-----+-----+
| TX001       | 3645678     | 2024-10-05   |
| TX002       | ID12345     | 2024-10-05   |
| TX003       | 5778991     | 2024-10-05   |
+-----+-----+-----+
0 rows in set (0.004 sec)

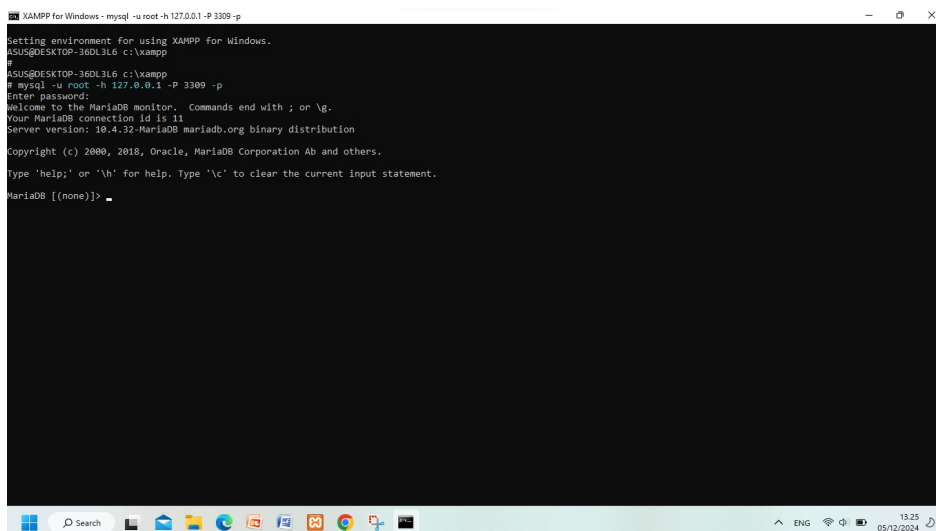
MySQL [db_toko]>
```

B. Praktikum Sebagai Replica Minggu-14

1. Langkah pertama buka aplikasi xampp, start mysql sampai running, kemudian shell



2. Masuk ke localhost kita dengan mengetikkan perintah seperti berikut



3. Ketikkan perintah sebagai berikut

Slave : stop slave;

Master : flush logs;

Master : show master status;

Slave : CHANGE MASTER TO MASTER_HOST='10.80.1.40',
MASTER_LOG_FILE='Log-Bin.000013', MASTER_LOG_POS=385;

Slave : start slave;

Slave : show slave status\G;

```

KAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3309 -p

MariaDB [(none)]> stop slave;
Query OK, 0 rows affected (0.018 sec)

MariaDB [(none)]> change master to master_host= '10.80.1.40', master_log_file = 'mysql-bin.000013', master_log_pos=385;
Query OK, 0 rows affected (0.183 sec)

MariaDB [(none)]> start slave;
Query OK, 0 rows affected (0.004 sec)

MariaDB [(none)]> show slave status\G;
+-----+
Slave_IO_State: Waiting for master to send event
+-----+
Master_Host: 10.80.1.40
Master_User: replication
Master_Port: 3306
Connect_Retry: 60
Master_Log_File: mysql-bin.000013
Read_Master_Log_Pos: 385
Relay_Log_File: mysql-relay-bin.000002
Relay_Log_Pos: 555
Relay_Master_Log_File: mysql-bin.000013
Slave_IO_Running: Yes
Slave_SQL_Running: Yes
Replicate_Do_DB:
Replicate_Ignore_DB:
Replicate_Do_Table:
Replicate_Ignore_Table:
Replicate_Wild_Do_Table:
Replicate_Wild_Ignore_Table:
Last_Errno: 0
Last_Error:
Skip_Counter: 0
Exec_Master_Log_Pos: 385
Relay_Log_Space: 864
Until_Condition: None
Until_Log_File:
Until_Log_Pos: 0
Master_SSL_Allowed: No
Master_SSL_CA_File:
Master_SSL_CA_Path:
Master_SSL_Cert:
Master_SSL_Cipher:
+-----+

```

4. Ketikkan perintah show slave status\G, untuk melihat connection dan error, jika muncul seperti itu berarti replica berhasil

```

KAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3309 -p

MariaDB [(none)]> stop slave;
Query OK, 0 rows affected (0.018 sec)

MariaDB [(none)]> change master to master_host= '10.80.1.40', master_log_file = 'mysql-bin.000013', master_log_pos=385;
Query OK, 0 rows affected (0.183 sec)

MariaDB [(none)]> start slave;
Query OK, 0 rows affected (0.004 sec)

MariaDB [(none)]> show slave status\G;
+-----+
Slave_IO_State: Waiting for master to send event
+-----+
Master_Host: 10.80.1.40
Master_User: replication
Master_Port: 3306
Connect_Retry: 60
Master_Log_File: mysql-bin.000013
Read_Master_Log_Pos: 385
Relay_Log_File: mysql-relay-bin.000002
Relay_Log_Pos: 555
Relay_Master_Log_File: mysql-bin.000013
Slave_IO_Running: Yes
Slave_SQL_Running: Yes
Replicate_Do_DB:
Replicate_Ignore_DB:
Replicate_Do_Table:
Replicate_Ignore_Table:
Replicate_Wild_Do_Table:
Replicate_Wild_Ignore_Table:
Last_Errno: 0
Last_Error:
Skip_Counter: 0
Exec_Master_Log_Pos: 385
Relay_Log_Space: 864
Until_Condition: None
Until_Log_File:
Until_Log_Pos: 0
Master_SSL_Allowed: No
Master_SSL_CA_File:
Master_SSL_CA_Path:
Master_SSL_Cert:
Master_SSL_Cipher:
+-----+

```

5. Lakukan show tables pada db_toko, melihat nama tabel (detail) yang diganti oleh master

```

KAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3309 -p

MariaDB [db_toko]> show tables;
+-----+
Tables_in_db_toko |
+-----+
detail
karyawan
pemasok
produk
stok
transaksi
+-----+
0 rows in set (0.002 sec)

MariaDB [db_toko]>

```