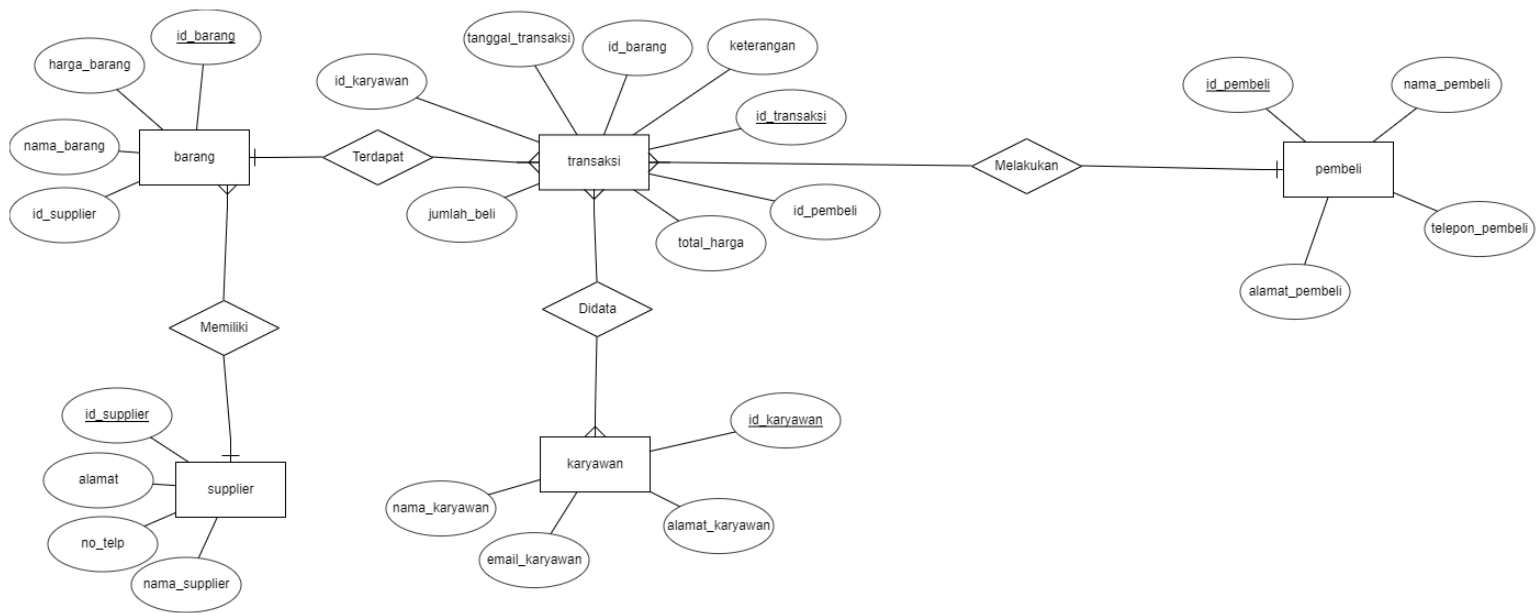


Nama : Muhammad Eka Setio Aji
NIM : 3332190068
Mata Kuliah : Basis Data – Semester Pendek
Database : Penjualan
Link Github : <https://github.com/muhekaSA/finalbasdat>
Link Youtube : <https://youtu.be/wQd-1lfalJY>



Gambar 1 Rancangan ERD

1. Melakukan open terhadap mariaDB (mysql) melalui cmd/cmdr

- Buka terminal cmd/cmdr
- Masukan “cd C:\xampp/mysql/bin” – Enter
- Masukan “mysql -u root” – Enter

```
C:\cmdr
λ cd C:\xampp/mysql/bin

C:\xampp\mysql\bin
λ mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
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.
```

2. Membuka listing database yang tersedia melalui cmd/cmdr

- Masukan “show databases;”
-digunakan untuk menampilkan list database yang telah dibuat

```
MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| cobagampang |
| cobasusah |
| contoh |
| contohrestoran |
| db_coba |
| db_contohpenjualan |
| db_restoran |
| db_toko_furniture_sukses |
| db_transaksi_penjualan |
| genetik |
| information_schema |
| klinik_fis |
| mysql |
| penjadwalan |
| penjadwalan_genetik_web |
| performance_schema |
| phpmyadmin |
| restoran |
| test |
+-----+
19 rows in set (0.086 sec)
```

3. Membuat Database

- Masukan “CREATE DATABASE db_toko_furniture_sukses” - Database sudah dibuat dari awal selanjutnya kita tampilkan komponen yang telah dibuat.
- Masukan “use db_toko_furniture_sukses”- digunakan untuk menggunakan atau menset database (tersebut atau terdefiniskan) sebagai default db yang akan digunakan

```
20 rows in set (0.007 sec)

MariaDB [(none)]> use db_toko_furniture_sukses;
Database changed
MariaDB [db_toko_furniture_sukses]> |
```

- Masukan perintah “show tables;” – digunakan untuk menampilkan table yang ada pada database tersebut.

```
MariaDB [db_toko_furniture_sukses]> show tables;
+-----+
| Tables_in_db_toko_furniture_sukses |
+-----+
| barang                               |
| karyawan                             |
| pembeli                              |
| supplier                             |
| transaksi                            |
+-----+
5 rows in set (0.128 sec)

MariaDB [db_toko_furniture_sukses]> |
```

- Selanjutnya untuk membuat table dapat digunakan perintah sebagai berikut “CREATE TABLE contoh_table (id_karyawan int AUTO_INCREMENT, nama_karyawan VARCHAR(150) NOT NULL, PRIMARY KEY(id_karyawan));”

```
MariaDB [db_toko_furniture_sukses]> CREATE TABLE contoh_table (id_karyawan int AUTO_INCREMENT, nama_karyawan VARCHAR(150) NOT NULL, PRIMARY KEY(id_karyawan));
Query OK, 0 rows affected (0.240 sec)

MariaDB [db_toko_furniture_sukses]> show tables;
+-----+
| Tables_in_db_toko_furniture_sukses |
+-----+
| barang                               |
| contoh_table                         |
| karyawan                             |
| pembeli                              |
| supplier                             |
| transaksi                            |
+-----+
6 rows in set (0.000 sec)
```

- Dalam table db_toko_furniture_sukses terdapat 5 tabel utama yaitu barang, karyawan, pembeli, supplier dan transaksi.
- Query untuk membuat table barang “CREATE TABLE barang (id_barang INT AUTO_INCREMENT, harga_barang int(100) NOT NULL, nama_barang varchar(150) NOT NULL, id_supplier int(11) NOT NULL, PRIMARY KEY(id_barang));”
- Query untuk membuat table karyawan “CREATE TABLE karyawan(id_karyawan INT AUTO_INCREMENT, nama_karyawan VARCHAR(150) NOT NULL, alat_karyawan VARCHAR(150) NOT NULL, alamat_karyawan VARCHAR(150) NOT NULL, email_karyawan VARCHAR (150) NOT NULL, PRIMARY KEY(id_karyawan));”
- Query untuk membuat table pembeli “CREATE TABLE pembeli(id_pembeli INT AUTO_INCREMENT, nama_pembeli VARCHAR(150) NOT NULL, telepon_pembeli INT(16) NOT NULL, alamat_pembeli VARCHAR(150) NOT NULL, PRIMARY KEY(id_pembeli));”
- Query untuk membuat table supplier “CREATE TABLE supplier(id_supplier INT AUTO_INCREMENT, alamat_supplier VARCHAR(150) NOT NULL, telepon_supplier INT(15) NOT NULL,

nama_supplier VARCHAR(150) NOT NULL, PRIMARY KEY(id_supplier));”

- Query untuk membuat table transaksi “CREATE TABLE transaksi(id_transaksi INT AUTO_INCREMENT, id_barang INT(11) NOT NULL, id_pembeli INT(11) NOT NULL, id_karyawan INT(11) NOT NULL, jumlah_beli INT(11) NOT NULL, total_harga INT(18) NOT NULL, tanggal_transaksi timestamp, keterangan VARCHAR(500) NOT NULL, PRIMARY KEY(id_transaksi));”

4. Input Data, SELECT DATA, JOIN TABLE

- Query untuk melakukan input data kedalam table “INSERT INTO contoh_table VALUES(NULL, "Muhammad Eka");”

```
6 rows in set (0.000 sec)

MariaDB [db_toko_furniture_sukses]> INSERT INTO contoh_table VALUES(NULL, "Muhammad Eka");
Query OK, 1 row affected (0.064 sec)

MariaDB [db_toko_furniture_sukses]> INSERT INTO contoh_table VALUES(NULL, "Muhammad FIKRI");
Query OK, 1 row affected (0.072 sec)

MariaDB [db_toko_furniture_sukses]> SELECT * FROM contoh_table;
+-----+-----+
| id_karyawan | nama_karyawan |
+-----+-----+
| 1 | Muhammad Eka |
| 2 | Muhammad FIKRI |
+-----+-----+
2 rows in set (0.000 sec)
```

- Query untuk menampilkan data dapat menggunakan perintah SELECT * FROM nama_table
- Query untuk menampilkan data table barang “SELECT * FROM barang;”

```

λ
MariaDB [db_toko_furniture_sukses]> SELECT * FROM barang
-> ;
+-----+-----+-----+-----+
| id_barang | harga_barang | nama_barang | id_supplier |
+-----+-----+-----+-----+
| 1 | 13000 | Pepsodent | 1 |
| 2 | 1000 | TicTac | 2 |
| 3 | 2000 | Indomie | 4 |
| 4 | 50000 | Mouse Logitech | 6 |
| 5 | 70000 | Coller Laptop | 8 |
| 6 | 170000 | Meja 3*4 Meter | 9 |
| 7 | 90000 | Kursi | 10 |
| 8 | 40000 | Buku Tulis | 7 |
| 9 | 3500 | Aqua 600 ml | 6 |
| 10 | 20000 | Lampu Tl | 9 |
+-----+-----+-----+-----+

```

- Query untuk menampilkan data table karyawan “SELECT * FROM karyawan;”

```
MariaDB [db_toko_furniture_sukses]> SELECT * FROM karyawan;
```

id_karyawan	nama_karyawan	alamat_karyawan	email_karyawan
1	Muhammad Eka Setio Aji	Cilegon	muhammadeka@gmail.com
2	Agus Fatmanto	Cilegon	agusfatmanto@gmail.com
3	Hilda	Cilegon	hilda@gmail.com
4	Dony	Tangerang	dony@gmail.com
5	Ner Fauzi	Serang	nerfauzi@gmail.com
6	riza	Brebes	riza@gmail.com
7	sopyan	Cibeber	sopyan@gmail.com
8	Bouo	Cilegon	bouo@gmail.com
9	Iqbal	BBS	iqbal@gmail.com
10	rakhasani	BBS	rakhasani@gmail.com

10 rows in set (0.000 sec)

- Query untuk menampilkan data table pembeli “SELECT * FROM pembeli;”

```
MariaDB [db_toko_furniture_sukses]> SELECT * FROM pembeli;
```

id_pembeli	nama_pembeli	telepon_pembeli	alamat_pembeli
1	Rifqi Fauzi	813842	Serang
2	Bagas Nuryanto	87312312	Cilegon
3	Donny Eka Pramata	8712321	Tangerang
4	Ihsan	87123212	Bekasi
5	Rafli	8123123	Cilegon
6	Dayan	871231232	Serang
7	Naufal	812323	Cilegon
8	Vernand	812323	Serang
9	Fikri	87123123	Cilegon
10	Dimas Purba	81232321	Pandeglang

10 rows in set (0.000 sec)

- Query untuk menampilkan data transaksi “SELECT * FROM transaksi;”

```
MariaDB [db_toko_furniture_sukses]> SELECT * FROM transaksi;
```

id_transaksi	id_barang	id_pembeli	id_karyawan	jumlah_beli	total_harga	tanggal_transaksi	keterangan
1	1	1	1	2	26000	2021-08-09 20:01:55	tunai
2	1	1	1	2	26000	2021-08-09 20:02:08	tunai
3	1	1	1	2	26000	2021-08-02 14:09:41	tunai
4	1	1	1	2	26000	2021-08-09 20:06:26	tunai
5	2	1	1	3	3000	2021-08-10 14:17:05	Tunai
6	10	1	1	2	40000	2021-08-10 14:17:05	Tunai
7	3	1	1	6	12000	2021-08-10 14:17:05	Tunai
8	9	1	1	100	350000	2021-08-10 14:17:05	Tunai
9	6	1	1	2	340000	2021-08-10 14:17:05	Tunai
10	4	1	1	1	50000	2021-08-10 14:17:05	Tunai
11	5	2	2	1	70000	2021-08-10 14:25:30	Tunai
12	7	2	2	1	90000	2021-08-10 14:25:30	Tunai
13	8	2	2	2	80000	2021-08-10 14:25:30	Tunai
14	10	2	2	10	40000	2021-08-10 14:25:30	Tunai
15	3	2	2	20	40000	2021-08-10 14:25:30	Tunai
16	9	2	2	3	10500	2021-08-10 14:25:30	Tunai
17	2	2	2	10	10000	2021-08-10 14:25:30	Tunai
18	8	2	2	4	160000	2021-08-10 14:25:30	Tunai
19	4	2	2	1	50000	2021-08-10 14:25:30	Tunai
20	1	2	2	3	39000	2021-08-10 14:25:30	Tunai
21	2	3	3	3	3000	2021-08-12 21:26:29	Tunai
22	8	1	3	2	80000	2021-08-12 21:26:29	tunai
23	1	1	3	1	13000	2021-08-12 21:26:29	tunai
24	9	1	3	2	7000	2021-08-12 21:26:29	tunai
25	7	1	3	1	90000	2021-08-12 21:26:29	tunai
26	3	6	3	1	6000	2021-08-12 21:26:29	tunai
27	2	1	3	1	50000	2021-08-12 21:26:29	tunai
28	6	9	3	1	17000	2021-08-12 21:26:29	tunai
29	2	1	3	1	1000	2021-08-12 21:26:29	tunai
30	2	10	3	2	4000	2021-08-12 21:26:29	tunai
31	2	3	4	3	3000	2021-08-12 21:27:59	tunai
32	8	1	4	2	80000	2021-08-12 21:27:59	tunai
33	1	1	4	1	13000	2021-08-12 21:27:59	tunai
34	9	1	4	2	7000	2021-08-12 21:27:59	tunai
35	7	1	4	1	90000	2021-08-12 21:27:59	tunai
36	3	6	4	1	6000	2021-08-12 21:27:59	tunai
37	4	1	4	1	50000	2021-08-12 21:27:59	tunai
38	6	9	4	1	17000	2021-08-12 21:27:59	tunai
39	2	1	4	1	1000	2021-08-12 21:27:59	tunai

- Query untuk menampilkan data dengan JOIN “SELECT pembeli.nama_pembeli, barang.nama_barang,transaksi.jumlah_beli, karyawan.nama_karyawan, transaksi.tanggal_transaksi FROM barang JOIN transaksi ON barang.id_barang = transaksi.id_barang JOIN pembeli ON pembeli.id_pembeli = transaksi.id_pembeli JOIN karyawan ON karyawan.id_karyawan = transaksi.id_karyawan;”

100 rows in set (0.010 sec)

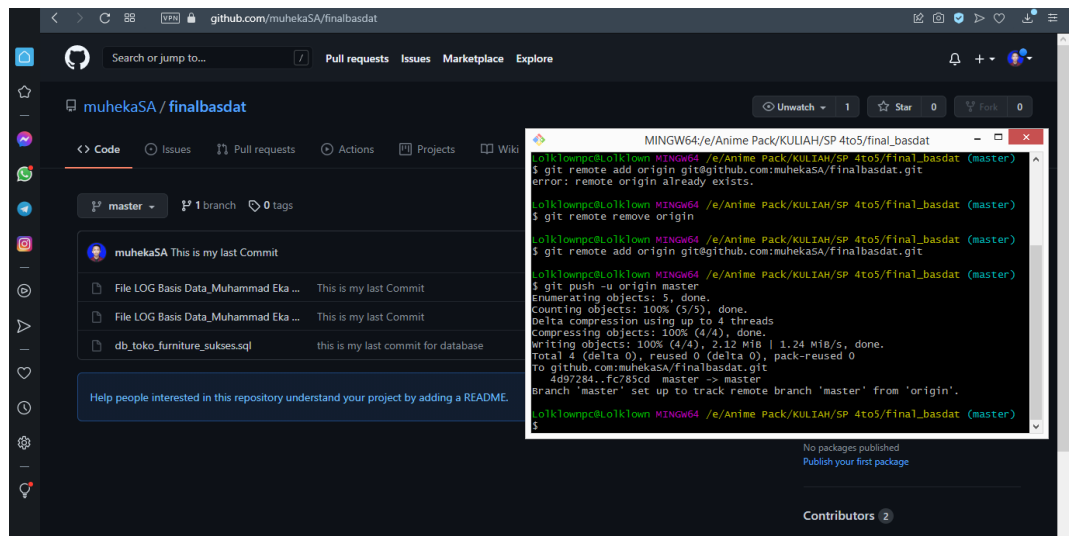
```
MariaDB [db_toko_furniture_sukses]> SELECT pembeli.nama_pembeli, barang.nama_barang,transaksi.jumlah_beli, karyawan.nama_karyawan, transaksi.tanggal_transaksi FROM barang JOIN transaksi ON barang.id_barang = transaksi.id_barang JOIN pembeli ON pembeli.id_pembeli = transaksi.id_pembeli JOIN karyawan ON karyawan.id_karyawan = transaksi.id_karyawan;
```

pembeli	nama_barang	jumlah_beli	karyawan	tanggal_transaksi
Rifqi Fauzi	Pepsodent	2	Muhammad Eka Setio Aji	2021-08-09 20:01:55
Rifqi Fauzi	Pepsodent	2	Muhammad Eka Setio Aji	2021-08-09 20:02:08
Rifqi Fauzi	Pepsodent	2	Muhammad Eka Setio Aji	2021-08-09 20:02:41
Rifqi Fauzi	Pepsodent	2	Muhammad Eka Setio Aji	2021-08-09 20:06:26
Rifqi Fauzi	TicTac	3	Muhammad Eka Setio Aji	2021-08-10 14:17:05
Rifqi Fauzi	Lampu TL	2	Muhammad Eka Setio Aji	2021-08-10 14:17:05
Rifqi Fauzi	Indomie	6	Muhammad Eka Setio Aji	2021-08-10 14:17:05
Rifqi Fauzi	Aqua 600 ml	100	Muhammad Eka Setio Aji	2021-08-10 14:17:05
Rifqi Fauzi	Meja 3*4 Meter	2	Muhammad Eka Setio Aji	2021-08-10 14:17:05
Rifqi Fauzi	Mouse Logitech	1	Muhammad Eka Setio Aji	2021-08-10 14:17:05
Bagas Nuryanto	Coller Laptop	1	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Kursi	1	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Buku Tulis	2	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Lampu TL	10	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Indomie	20	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Aqua 600 ml	3	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	TicTac	10	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Buku Tulis	4	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Mouse Logitech	1	Agus Fatmanto	2021-08-10 14:25:30
Bagas Nuryanto	Pepsodent	3	Agus Fatmanto	2021-08-10 14:25:30
Donny Eka Pramata	TicTac	2	Hilda	2021-08-12 21:26:29
Rifqi Fauzi	Buku Tulis	2	Hilda	2021-08-12 21:26:29
Rifqi Fauzi	Pepsodent	1	Hilda	2021-08-12 21:26:29
Rifqi Fauzi	Aqua 600 ml	2	Hilda	2021-08-12 21:26:29
Rifqi Fauzi	Kursi	1	Hilda	2021-08-12 21:26:29
Dayan	Indomie	1	Hilda	2021-08-12 21:26:29
Rifqi Fauzi	Mouse Logitech	1	Hilda	2021-08-12 21:26:29
Fikri	Meja 3*4 Meter	1	Hilda	2021-08-12 21:26:29
Rifqi Fauzi	TicTac	1	Hilda	2021-08-12 21:26:29
Dinas Purbu	TicTac	2	Hilda	2021-08-12 21:26:29
Donny Eka Pramata	TicTac	3	Dony	2021-08-12 21:27:59
Rifqi Fauzi	Buku Tulis	2	Dony	2021-08-12 21:27:59
Rifqi Fauzi	Pepsodent	1	Dony	2021-08-12 21:27:59
Rifqi Fauzi	Aqua 600 ml	2	Dony	2021-08-12 21:27:59
Rifqi Fauzi	Kursi	1	Dony	2021-08-12 21:27:59

- Query untuk insert data ke table barang “INSERT INTO barang VALUES(NULL, ‘13000’, ‘Pepsodent’, ‘1’);”
- Query untuk insert data ke table karyawan “INSERT INTO karyawan VALUES(NULL, ‘Muhammad Eka Setio Aji’, ‘Cilegon’, ‘muhammadekapra123@gmail.com’);”
- Query untuk insert data ke table pembeli “INSERT INTO pembeli VALUES(NULL, ‘Rifqi Fauzi’, ‘08138428’, ‘serang’);”
- Query untuk insert data ke table supplier “INSERT INTO supplier VALUES(NULL, ‘Serang’, ‘Bantara Group’);”
- Query untuk insert data ke table transaksi”INSERT INTO transaksi VALUES(NULL, ‘1’, ‘1’, ‘1’, ‘2’, ‘26000’, ‘current time stamp’, ‘tunai’);

5. Menggunakan Git

- Letakan File yang akan di push kedalam 1 folder
- Klik kanan pada folder yang akan di push kemudian pilih gitbash here
- Masukan perintah “git init” - enter
- Masukan perintah “git add .” - enter
- Masukan perintah “git commit -m "This is my last Commit” - enter
- Masukan perintah “git remote add origin
[git@github.com:muhekaSA/finalbasdat.git](https://github.com/muhekaSA/finalbasdat.git)”
- Masukan perintah “git push –u origin master”



The screenshot shows a GitHub repository page for `muhekaSA/finalbasdat` and a terminal window displaying the execution of Git commands. The terminal output shows the following steps:

```
MINGW64/e/Anime Pack/KULIAH/SP 4to5/final_basdat
loklownpc@loklown: MINGW64 /e/Anime Pack/KULIAH/SP 4to5/final_basdat (master)
$ git remote add origin git@github.com:muhekaSA/finalbasdat.git
error: remote origin already exists.

loklownpc@loklown: MINGW64 /e/Anime Pack/KULIAH/SP 4to5/final_basdat (master)
$ git remote remove origin

loklownpc@loklown: MINGW64 /e/Anime Pack/KULIAH/SP 4to5/final_basdat (master)
$ git remote add origin git@github.com:muhekaSA/finalbasdat.git

loklownpc@loklown: MINGW64 /e/Anime Pack/KULIAH/SP 4to5/final_basdat (master)
$ git push -u origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 2.12 MiB | 1.24 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:muhekaSA/finalbasdat.git
4d07294..fc7b9cd master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

loklownpc@loklown: MINGW64 /e/Anime Pack/KULIAH/SP 4to5/final_basdat (master)
$
```

The GitHub page shows the repository name, a search bar, and a list of commits. The most recent commit is by `muhekaSA` with the message "This is my last Commit". The commit history shows three commits, all with the same message. A button to "Add a README" is visible at the bottom of the commit list.