

Nama : Rizky Diar Panuntun

NIM : 5200411499

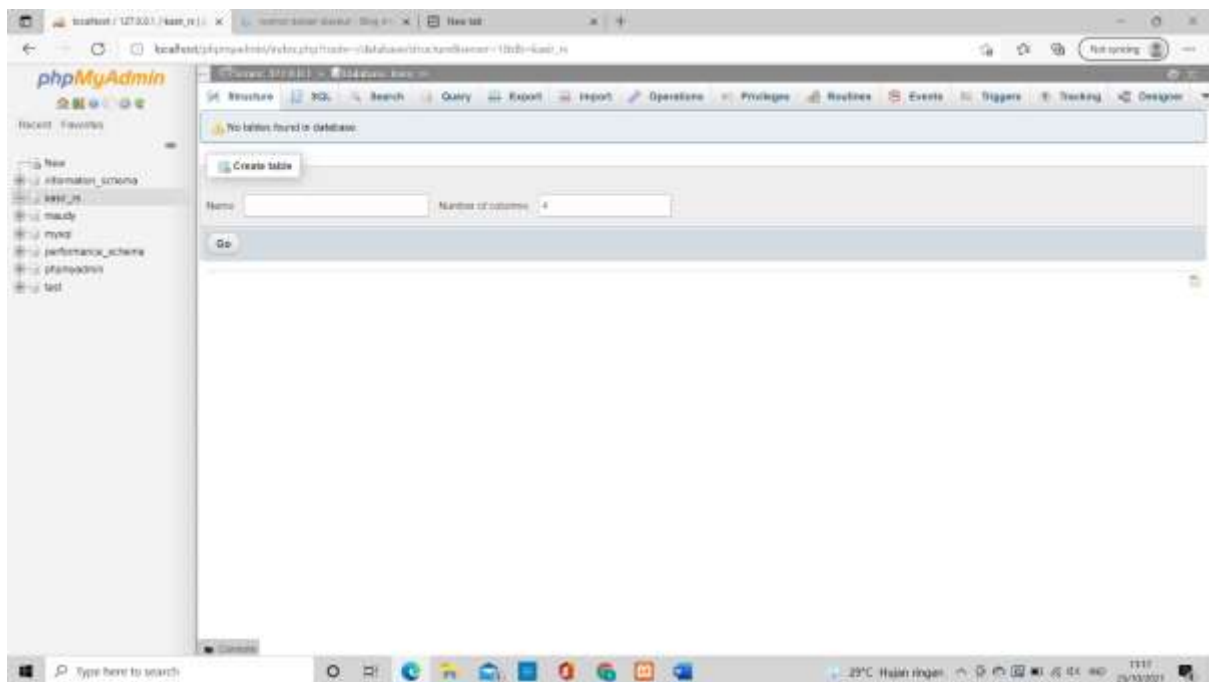
Kelas : Metodologi Desain Perangkat Lunak Praktik (XII)

DDL(Data Definition Language)

➤ CREATE

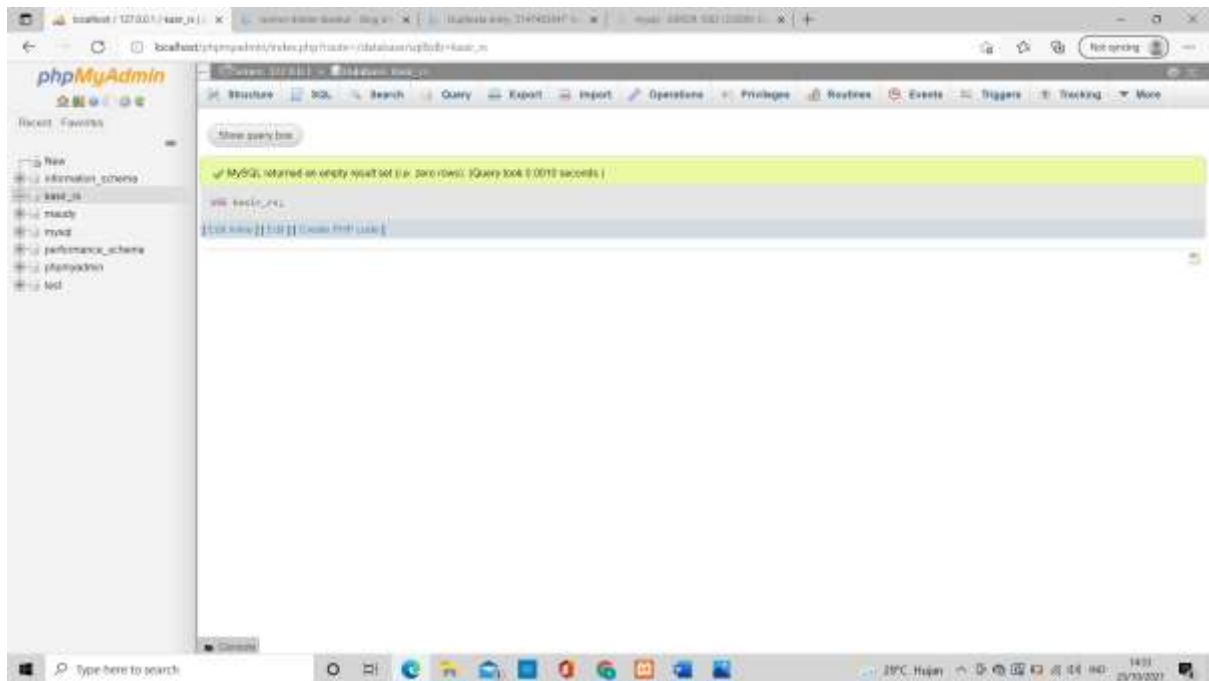
(Membuat Database)

CREATE DATABASE kasir_rs



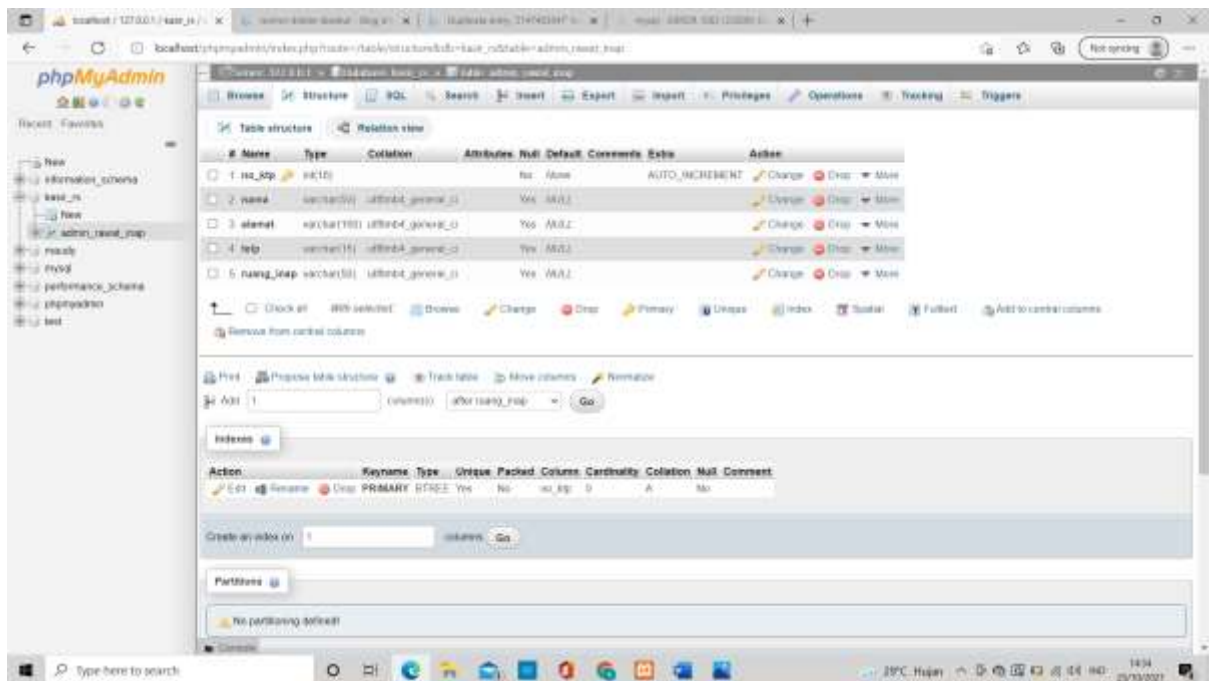
(Mengaktifkan database yang telah dibuat)

USE kasir_rs

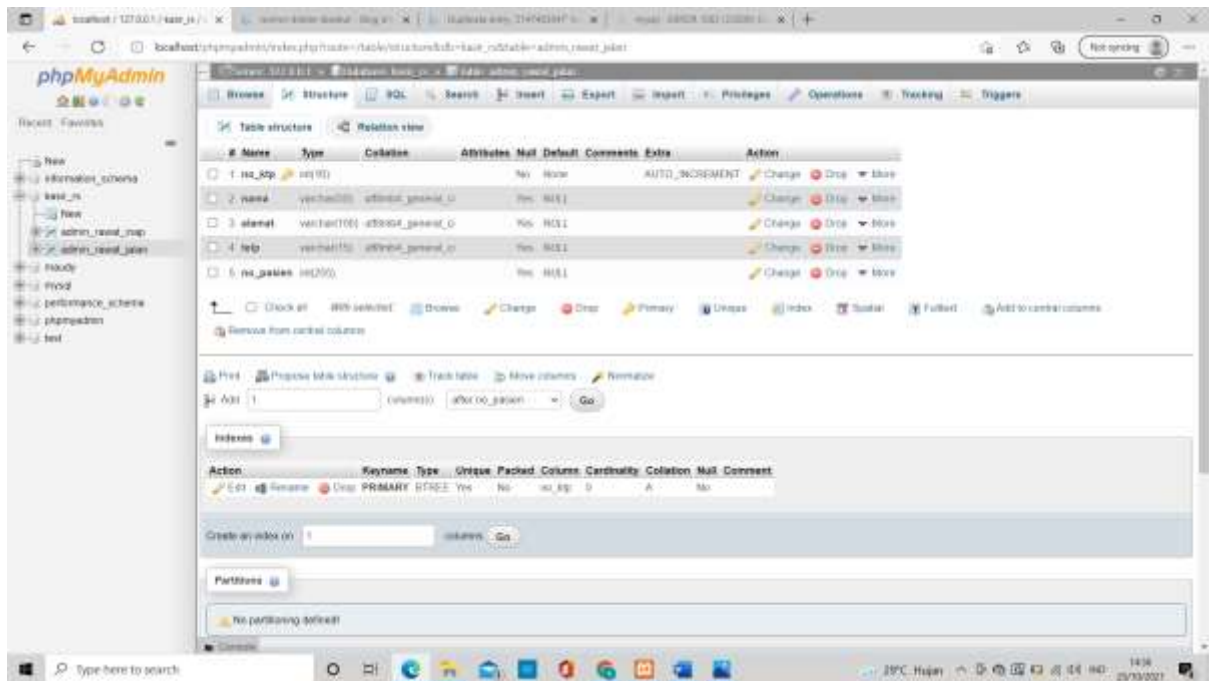


(Membuat Tabel)

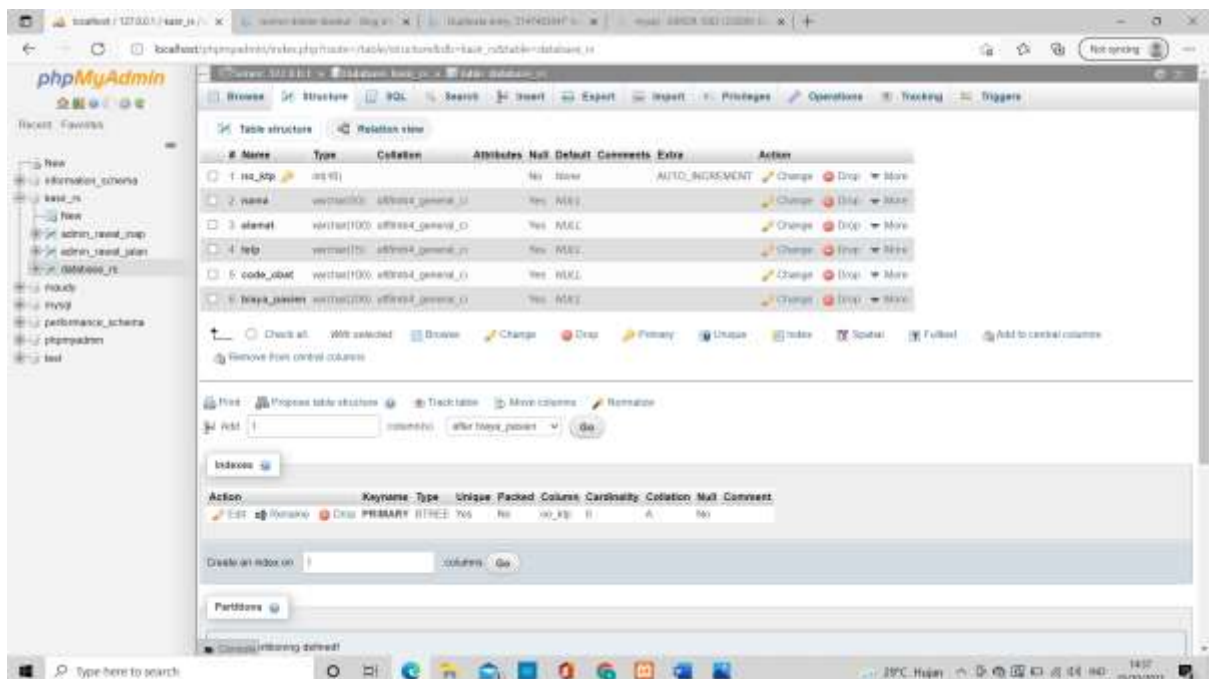
CREATE TABLE admin_rawat_inap (no_ktp int (16) not null primary key AUTO_INCREMENT, nama varchar (50), alamat varchar (100), telp varchar (15), ruang_inap varchar (50))



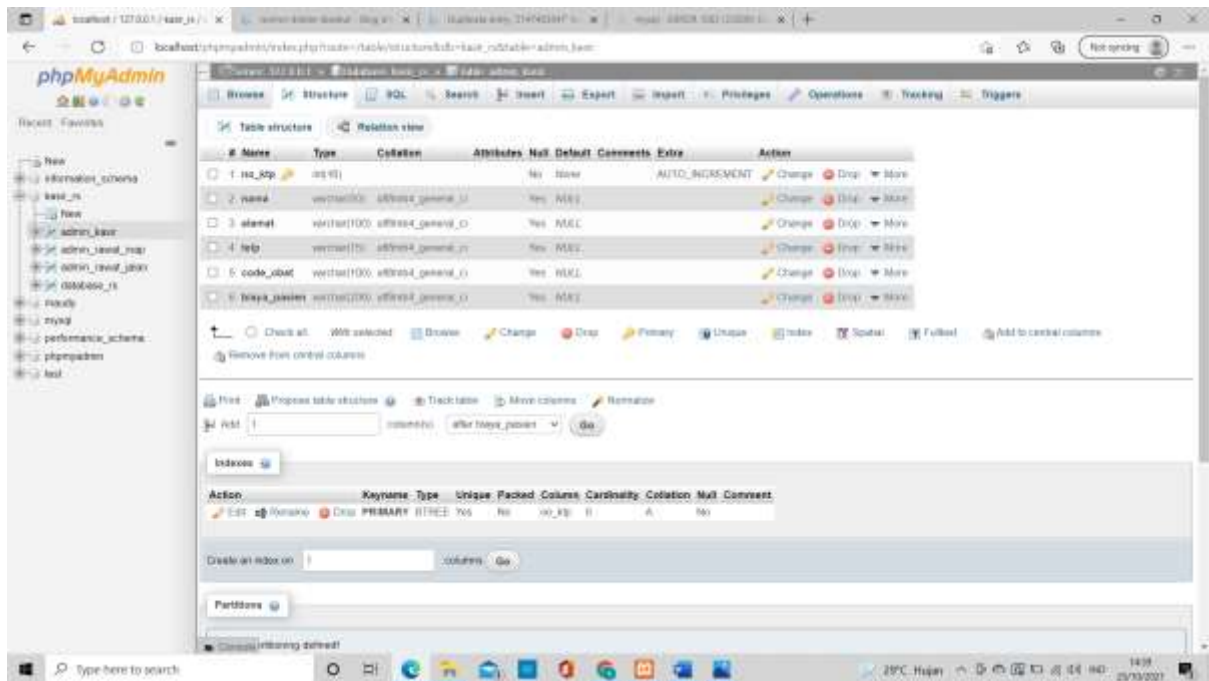
CREATE TABLE admin_rawat_jalan (no_ktp int (16) not null primary key AUTO_INCREMENT, nama varchar (50), alamat varchar (100), telp varchar (15), no_pasien int (255))



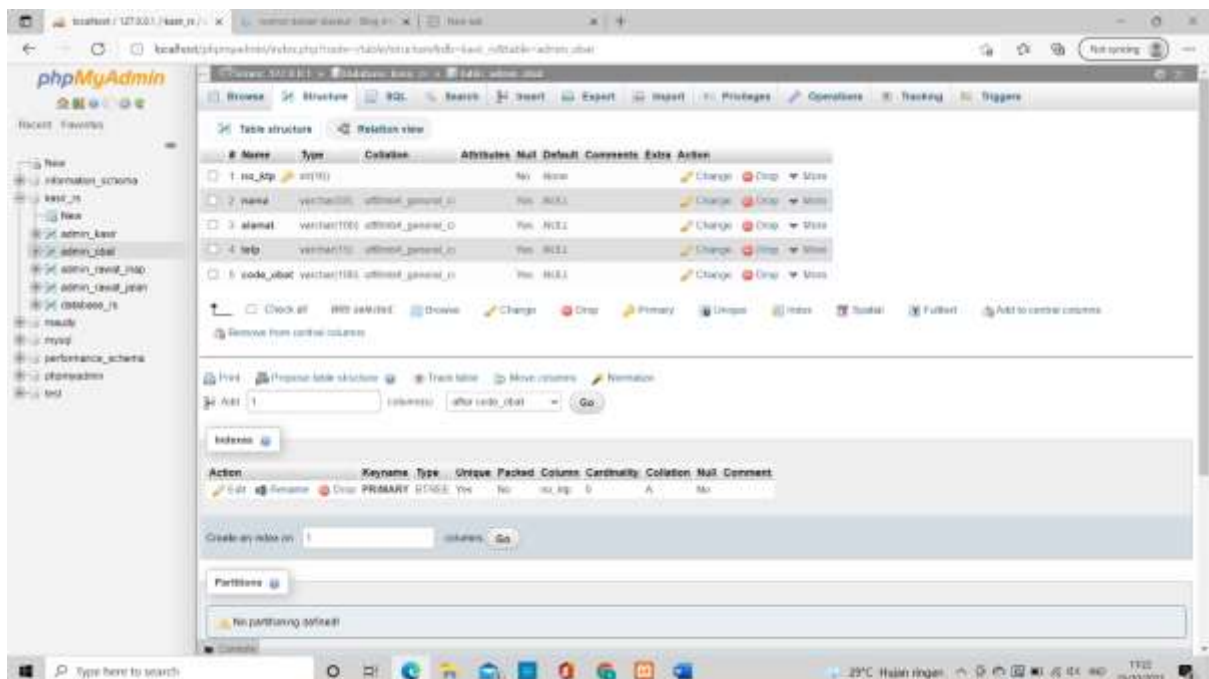
CREATE TABLE database_rs (no_ktp int (16) not null primary key AUTO_INCREMENT, nama varchar (50), alamat varchar (100), telp varchar (15), code_obat varchar (100), biaya_pasien varchar (200))



CREATE TABLE admin_kasir (no_ktp int (16) not null primary key AUTO_INCREMENT, nama varchar (50), alamat varchar (100), telp varchar (15), code_obat varchar (100), biaya_pasien varchar (200))



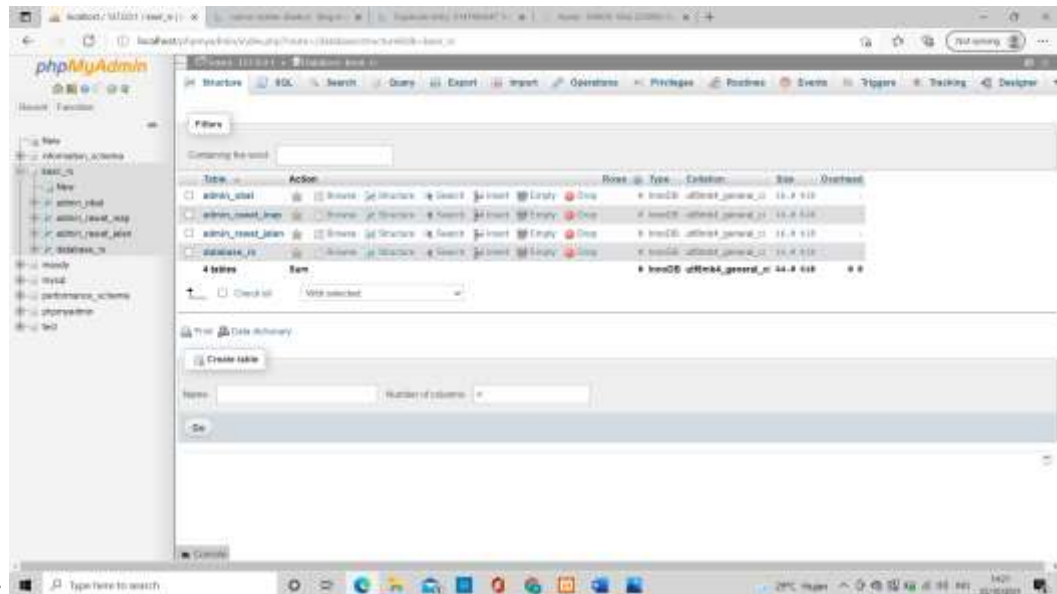
CREATE TABLE admin_obat (no_ktp int (16) not null primary key AUTO_INCREMENT, nama varchar (50), alamat varchar (100), telp varchar (15), code_obat varchar (100))



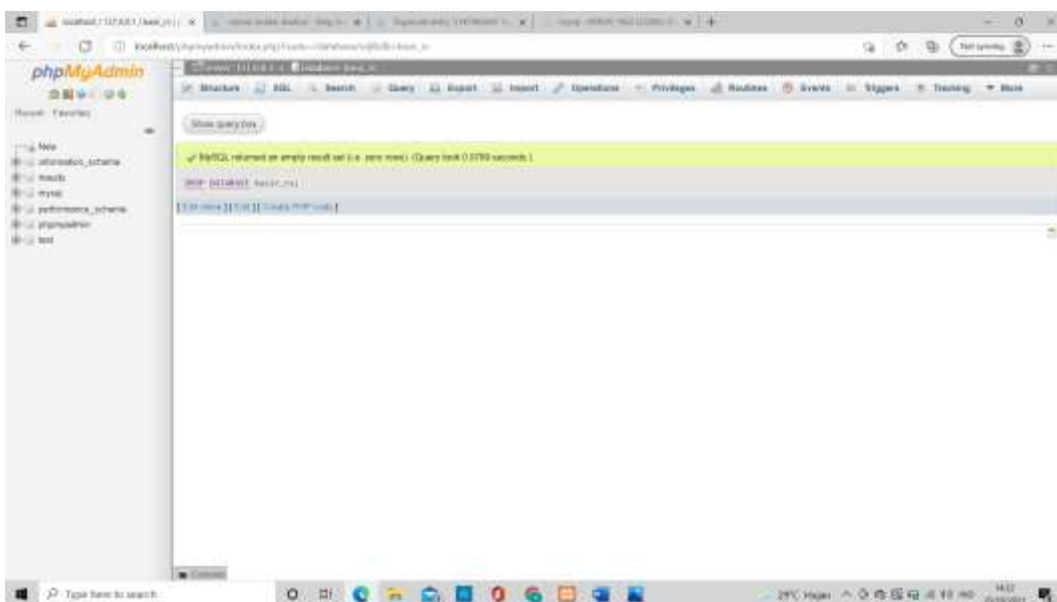
➤ DROP

(Menghapus Database)

DROP DATABASE kasir_rs



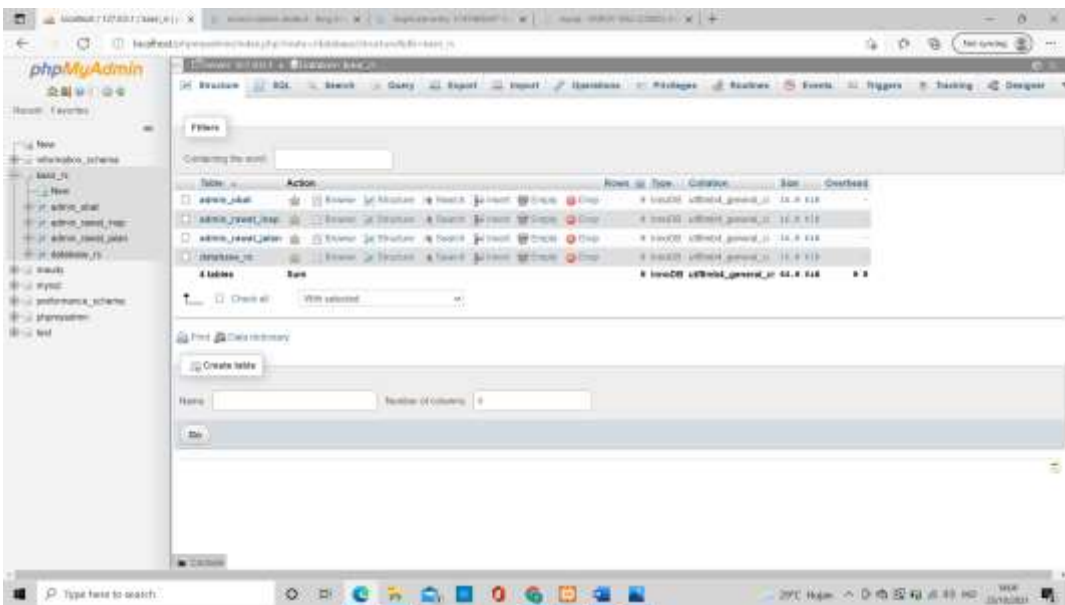
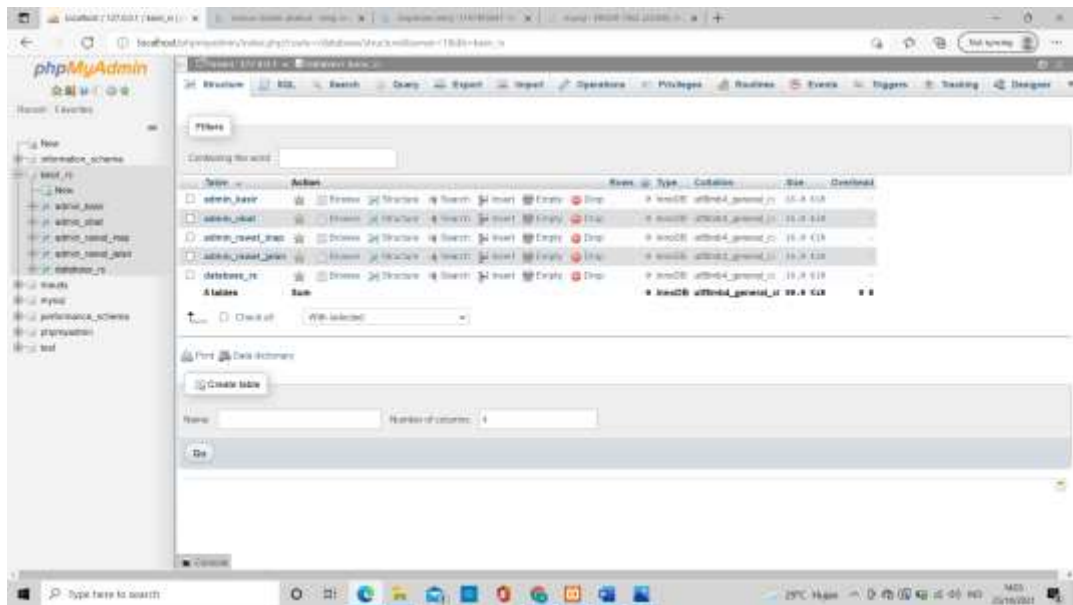
Sebelum :



Sesudah :

(Menghapus Tabel)

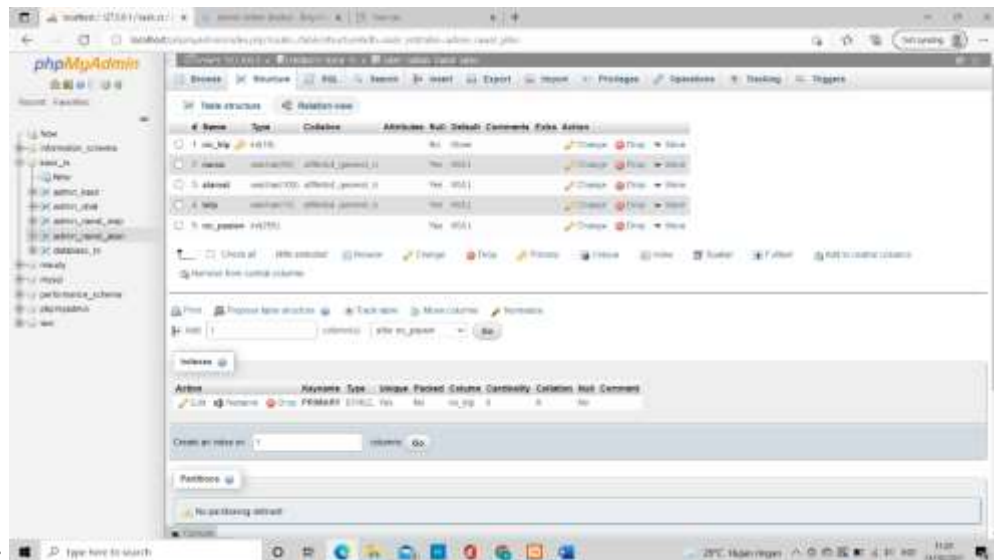
DROP TABLE admin_kasir



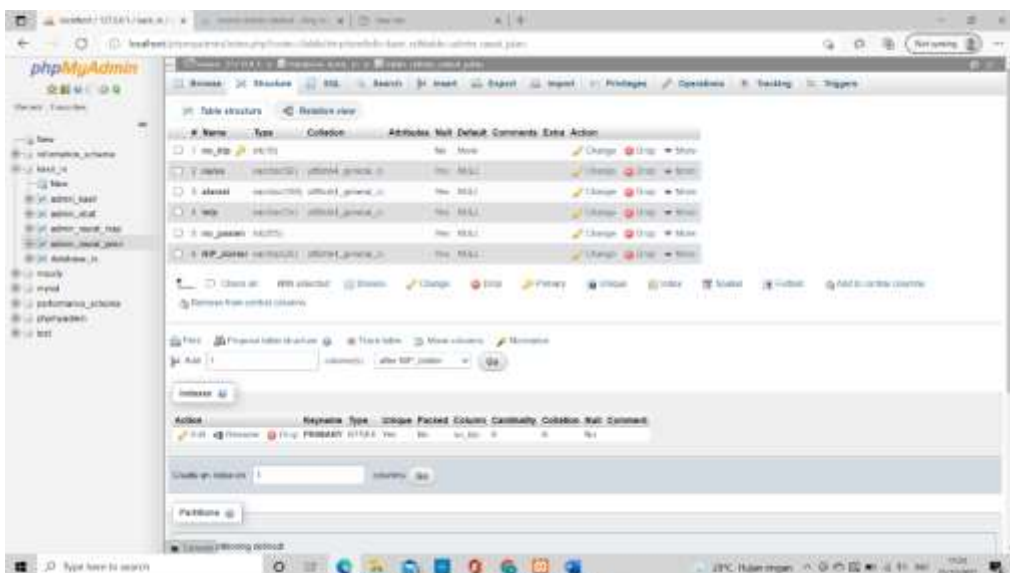
➤ ALTER

(Menambah Kolom)

ALTER TABLE admin_rawat_jalan ADD NIP_dokter varchar (20)



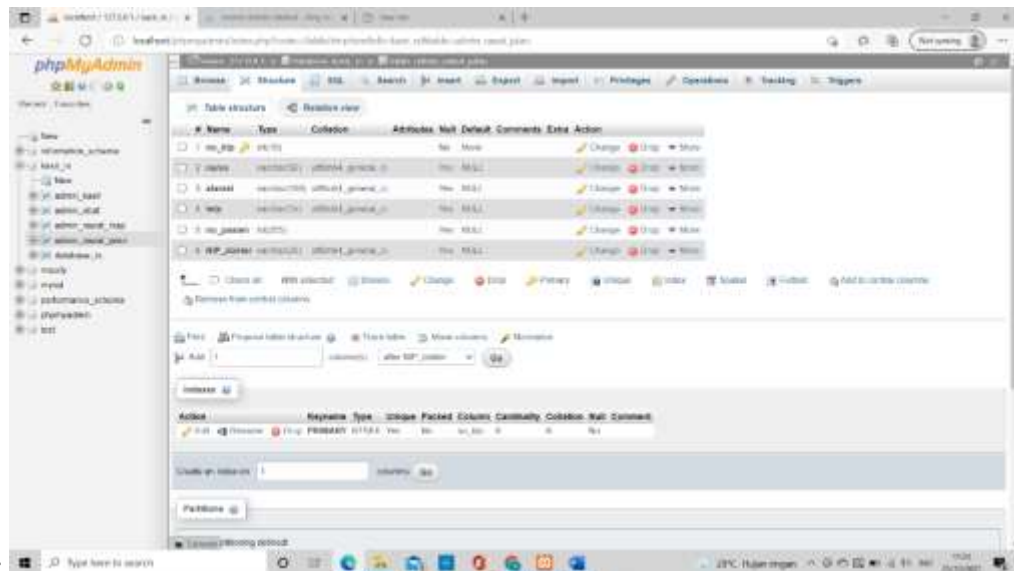
Sebelum :



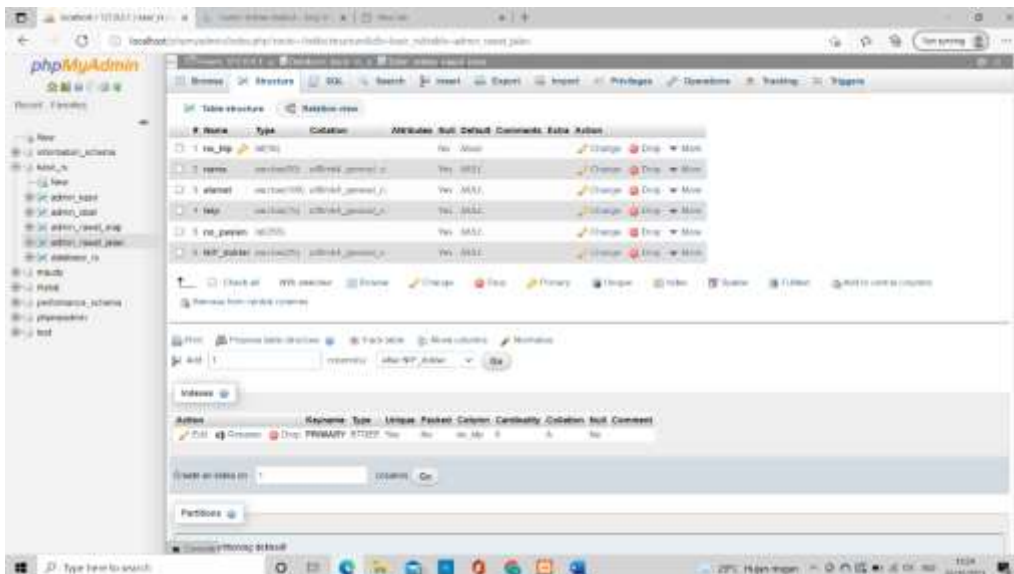
Sesudah :

(Mengubah Kolom)

ALTER TABLE admin_rawat_jalan MODIFY NIP_dokter varchar (25)



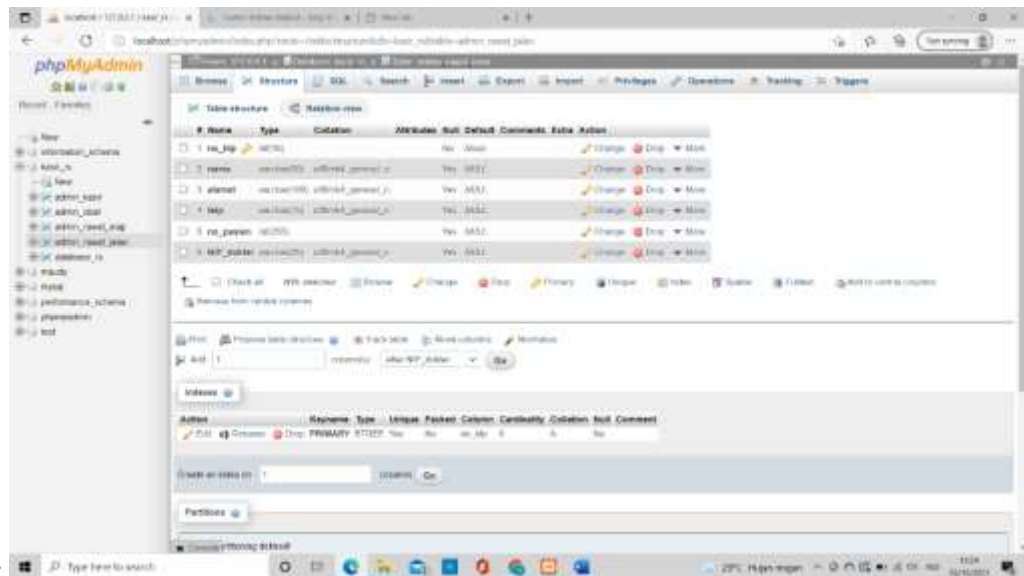
Sebelum :



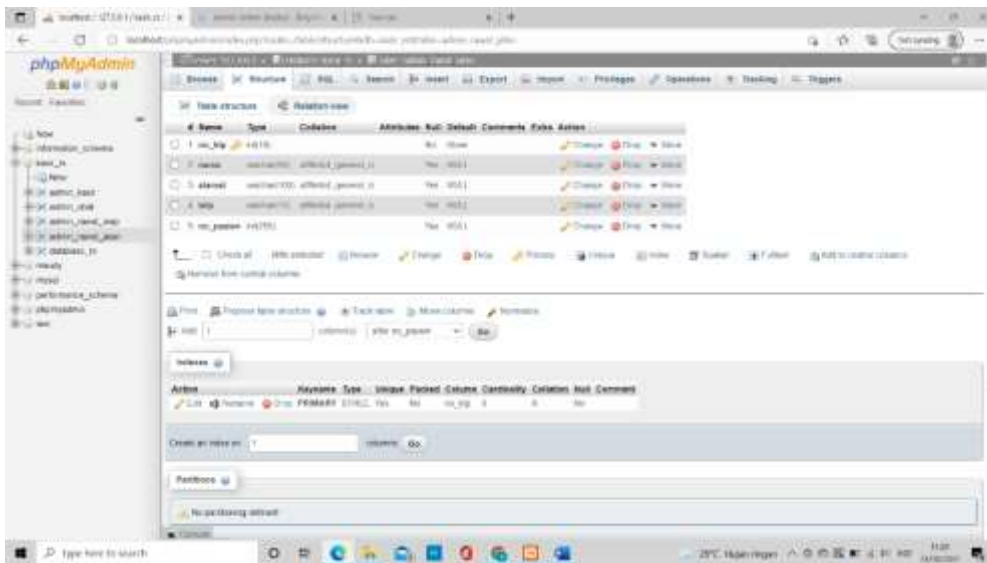
Sesudah :

(Menghapus Kolom)

ALTER TABLE admin_rawat_jalan DROP NIP_dokter



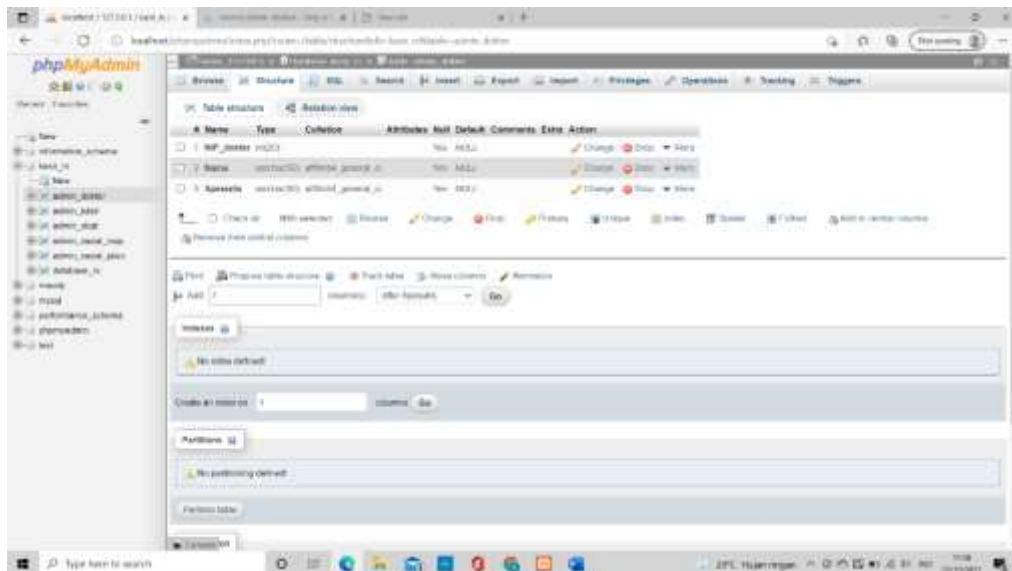
Sebelum :



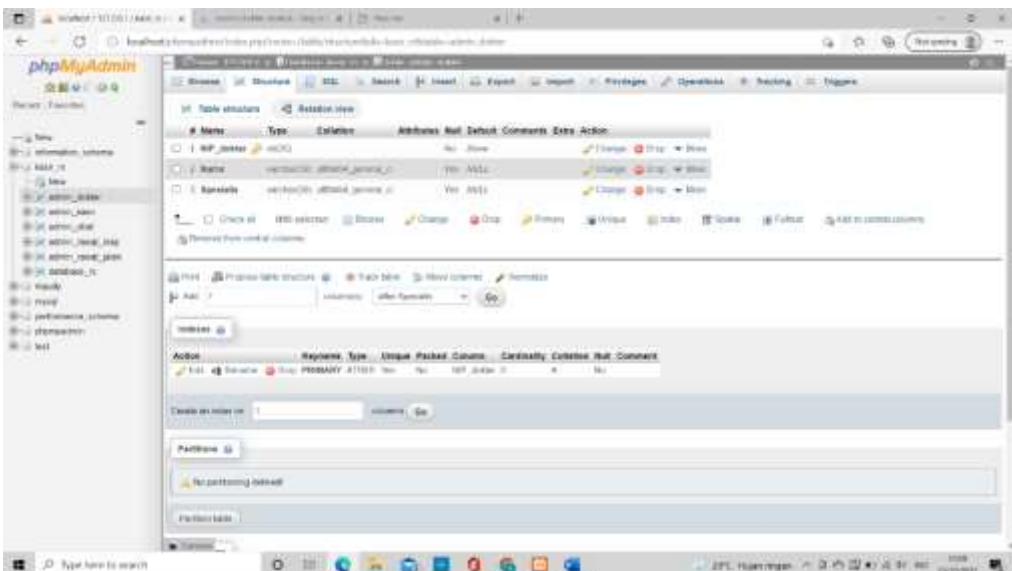
Sesudah :

(Menambah Primary Key)

ALTER TABLE admin_dokter ADD primary key (NIP_dokter)



Sebelum :

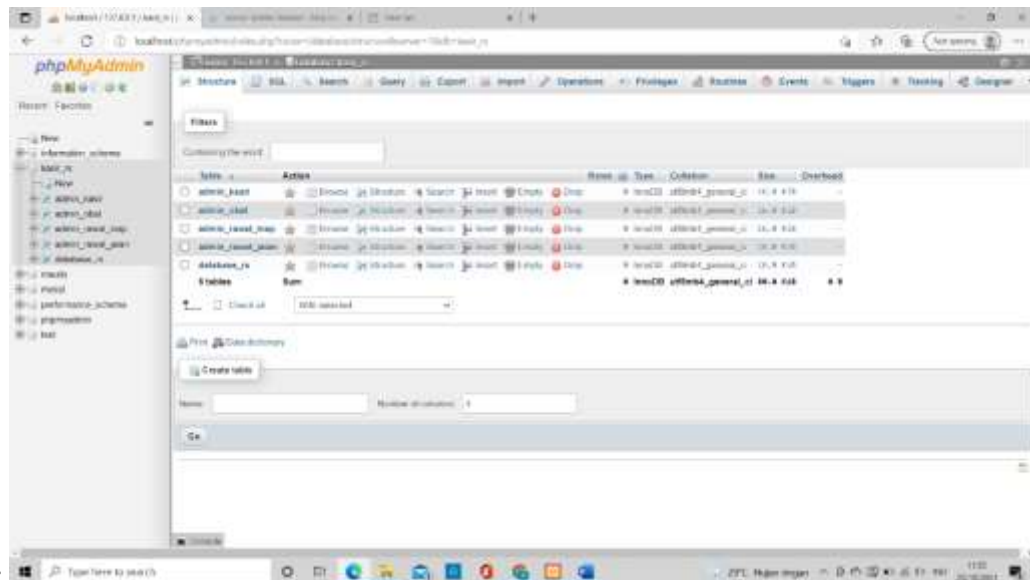


Sesudah :

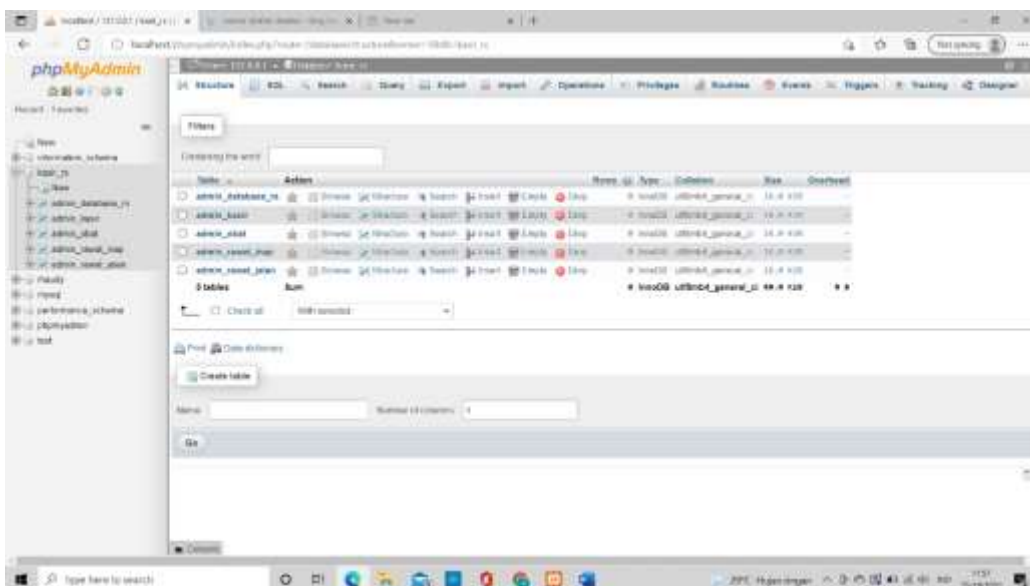
➤ RENAME

(Merubah Nama Tabel)

RENAME TABLE database_rs TO admin_database_rs



Sebelum :

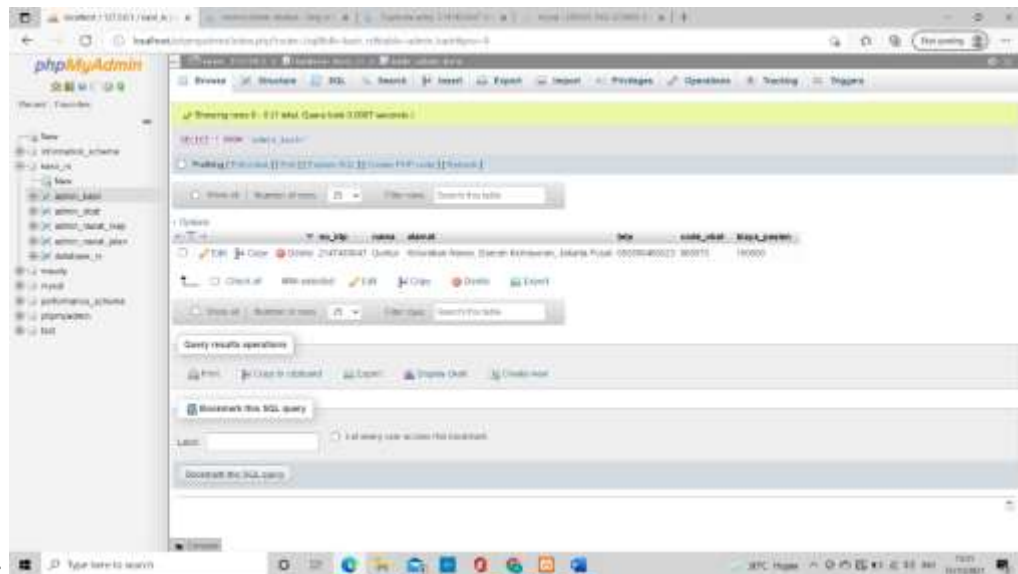


Sesudah :

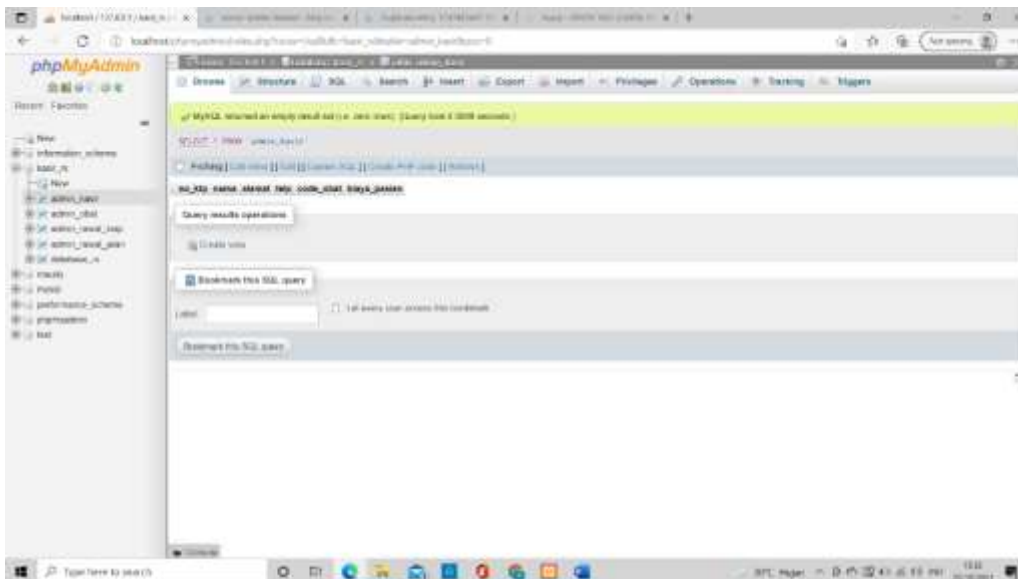
➤ TRUNCATE

(Menghapus Data Pada Tabel)

TRUNCATE TABLE admin_kasir



Sebelum :



Sesudah :

Nama : Khafid Nur Maulana

NIM : 5200411491

Kelas : Metodologi Desain Perangkat Lunak Praktik (XII)

DML (Data Manipulation Language)

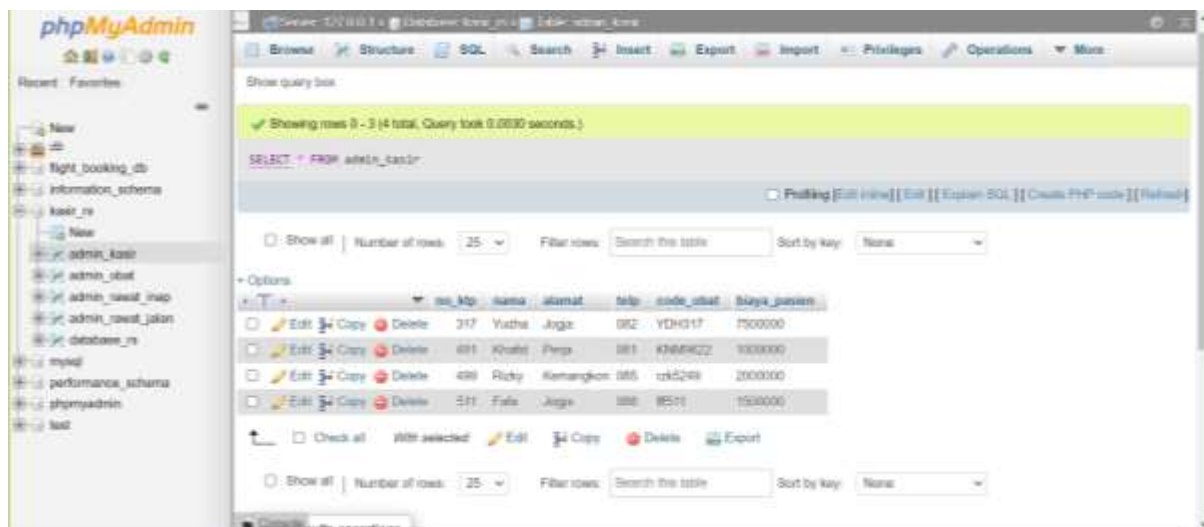
SELECT (Melihat/Membaca Data)

SELECT kolom FROM nama_tabel;

Contoh :

SELECT * FROM admin_kasir;

Hasil :



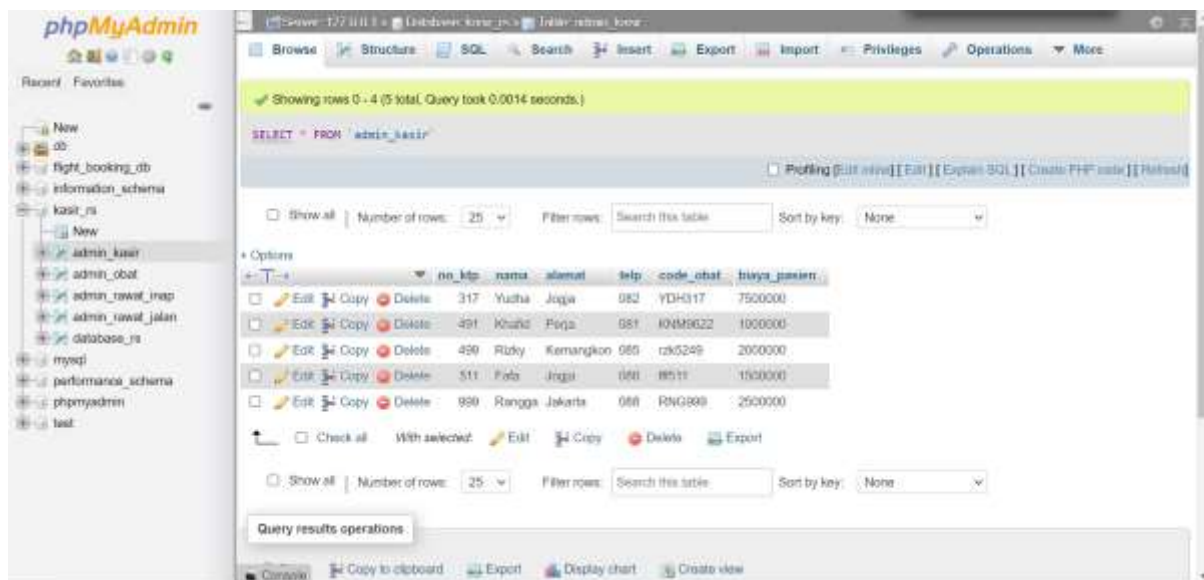
INSERT (Memasukkan/Menambah Data)

INSERT INTO nama_tabel(nama_kolom) VALUES(isi);

Contoh :

INSERT INTO admin_kasir(no_ktp,nama,alamat,telp,code_obat,biaya_pasien)
VALUES('999','Rangga','Jakarta','088','RNG999','2500000');

Hasil :



Showing rows 0 - 4 (5 total. Query took 0.0014 seconds.)

```
SELECT * FROM 'admin_kasir'
```

Options

	no_ktp	nama	alamat	telep	code_obat	biaya_pasien
<input type="checkbox"/>	317	Yudha	Jogja	082	YDH017	7500000
<input checked="" type="checkbox"/>	491	Khaizh	Perja	081	KNM9622	1000000
<input type="checkbox"/>	499	Rizky	Kemangkon	085	rk5249	2000000
<input type="checkbox"/>	511	Fafa	Jogja	080	RF511	1500000
<input type="checkbox"/>	999	Rangga	Jakarta	088	RNG999	2500000

Query results operations

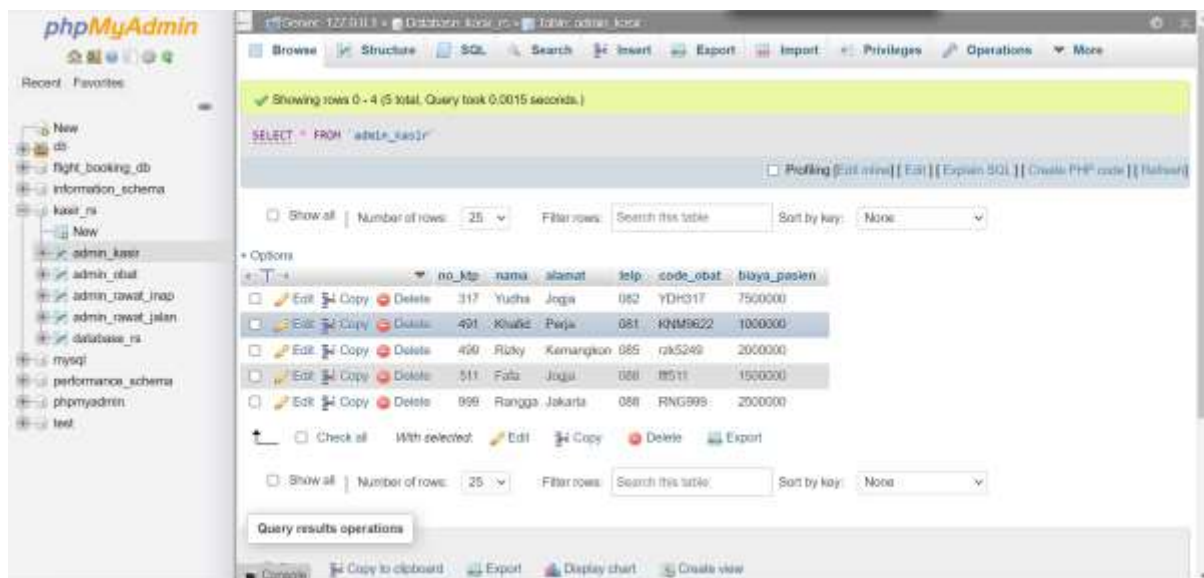
UPDATE (Mengubah Data)

UPDATE nama_tabel SET kolom_ubah=isi_ubah WHERE kolom_pk=isi_pk;

Contoh :

UPDATE admin_kasir SET alamat='Purwareja' WHERE no_ktp='491';

Sebelum :



Showing rows 0 - 4 (5 total. Query took 0.0015 seconds.)

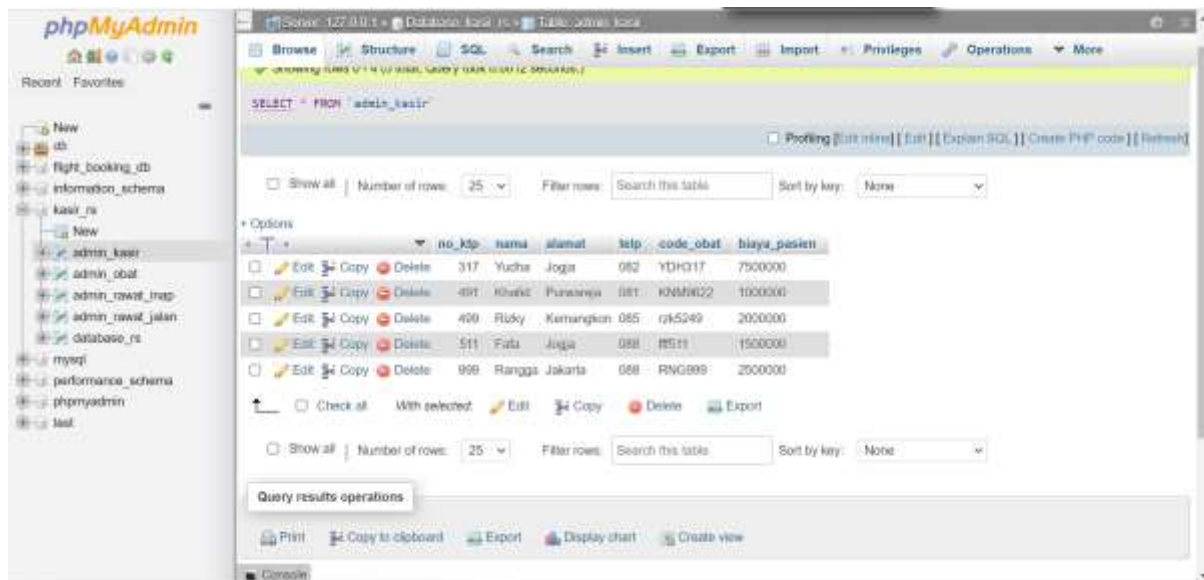
```
SELECT * FROM 'admin_kasir'
```

Options

	no_ktp	nama	alamat	telep	code_obat	biaya_pasien
<input type="checkbox"/>	317	Yudha	Jogja	082	YDH017	7500000
<input checked="" type="checkbox"/>	491	Khaizh	Perja	081	KNM9622	1000000
<input type="checkbox"/>	499	Rizky	Kemangkon	085	rk5249	2000000
<input type="checkbox"/>	511	Fafa	Jogja	080	RF511	1500000
<input type="checkbox"/>	999	Rangga	Jakarta	088	RNG999	2000000

Query results operations

Sesudah :



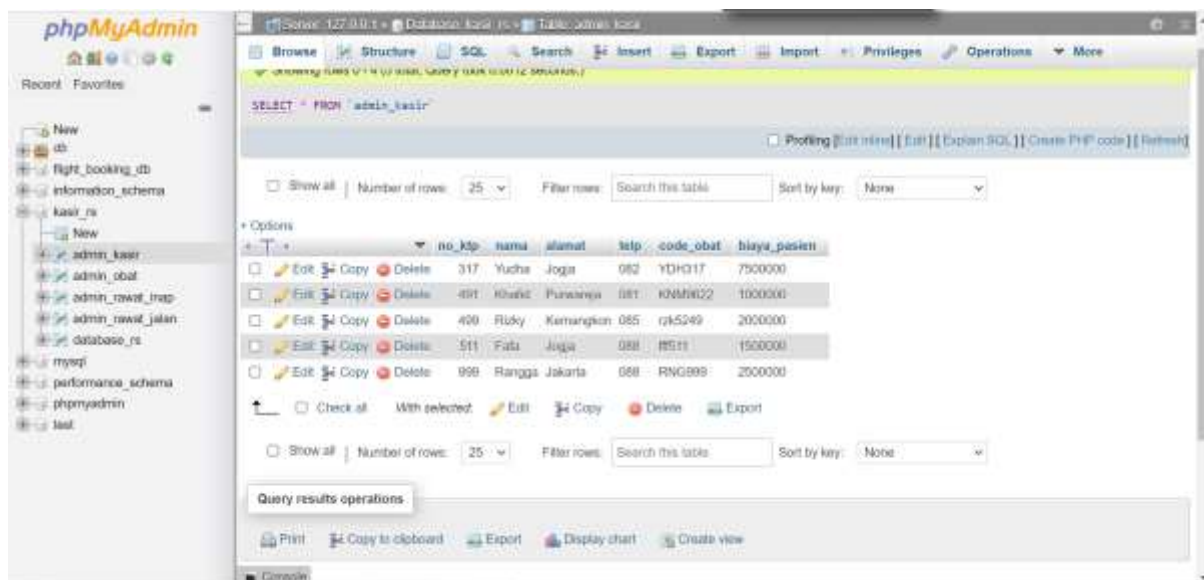
DELETE (Menghapus Data)

DELETE FROM nama_tabel WHERE kolom_pk=isi_pk;

Contoh :

DELETE FROM admin_kasir WHERE no_ktp='999';

Sebelum :



Sesudah :

The screenshot shows the phpMyAdmin interface. On the left is a sidebar with a database structure tree. The main area displays a table named 'admin_kasir' with the following data:

no_ktp	nama	alamat	telep	kode_obat	biaya_pasien
317	Yudha	Jogja	062	YDH317	7500000
491	Khaiz	Purwaraja	061	KHA491	1000000
490	Ruby	Kemangkon	085	RB490	2000000
511	Fata	Jogja	088	FT511	1500000

Below the table, there are options to check all, with selected, edit, copy, delete, and export. At the bottom, there are links for print, copy to clipboard, export, display chart, and create view.

Nama : Alfaeni Syafa Safira

NPM : 5200411511

Kelas : Metodologi Desain Perangkat Lunak Praktik (XII)

Transaction Control Language (TCL)

Transaction Control Language (TCL) adalah perintah SQL yang berhubungan dengan transaksi di database.

Perintah TCL antara lain:

- COMMIT digunakan untuk menyimpan transaksi secara permanen
- ROLLBACK digunakan untuk mengembalikan database ke bentuk awal/ COMMIT terakhir

1. Perintah COMMIT

Digunakan untuk menyimpan transaksi secara permanen di database. Saat melakukan perintah DML seperti INSERT, UPDATE, DELETE transaksi sebenarnya belum dilakukan secara permanen. Artinya operasi tersebut masih bisa di rollback / di batalkan

```
1 START TRANSACTION;
2 INSERT INTO admin_kasir VALUES ('115', 'FAFA', 'SOLD', '981327328817', '95', '8000000');
3 COMMIT;
```

Showing rows 3 - 4 (5 total, Query took 0.0018 seconds)

SELECT * FROM "admin_kasir";

Profiling [Edit View] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

	no_ktp	nama	alamat	telep	kode_rakat	biaya_pesan
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	511	ALFAENI BANYUMAS	881327320018	01	300000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	512	DARU JOGJA	885878841633	02	500000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	513	YUDHA SOLO	886878841634	03	6000000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	514	KHAFID MAJELANG	885878841635	04	7000000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	515	FABA SOLO	881327320017	05	800000	

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

2. ROLLBACK

Perintah ROLLBACK digunakan untuk mengembalikan database ke bentuk COMMIT terakhir

```

1 START TRANSACTION;
2 INSERT INTO admin_kasir VALUES (516, "SAFIRA", "BALI", "881327320023", "06", "9000000");
3 ROLLBACK;

```

Showing rows 3 - 4 (5 total, Query took 0.0018 seconds)

SELECT * FROM "admin_kasir";

Profiling [Edit View] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	no_ktp	nama	alamat	telep	kode_rakat	biaya_pesan
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	511	ALFAENI BANYUMAS	881327320018	01	300000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	512	DARU JOGJA	885878841633	02	500000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	513	YUDHA SOLO	886878841634	03	6000000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	514	KHAFID MAJELANG	885878841635	04	7000000	
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	515	FABA SOLO	881327320017	05	800000	

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Nama : Novian Yuda Permana

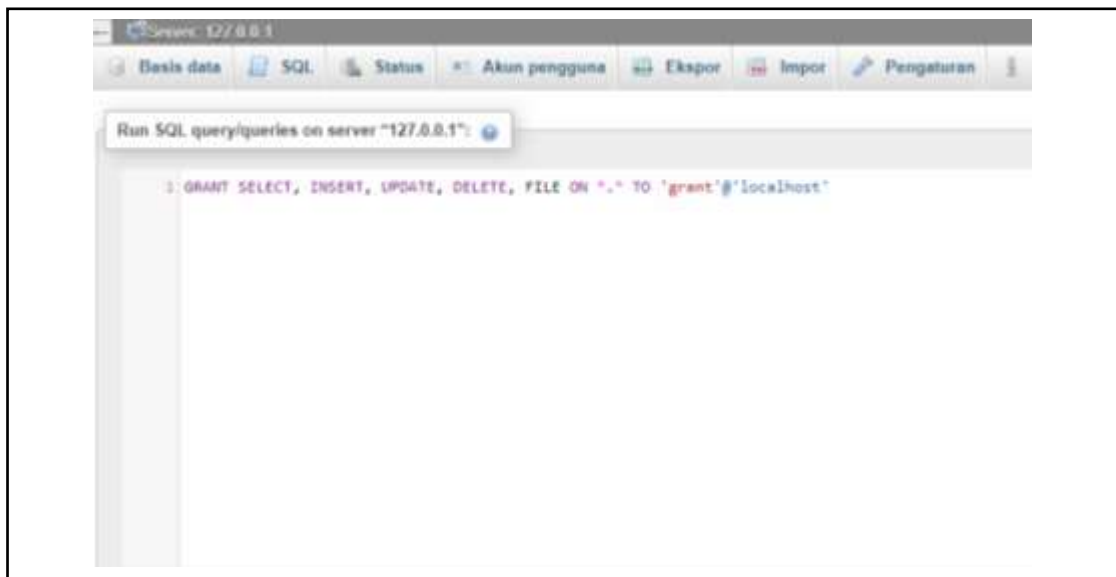
NPM : 5200411317

Kelas : Metodologi Desain Perangkat Lunak Praktik (XII)

DCL (Data Control Language)

1. GRANT

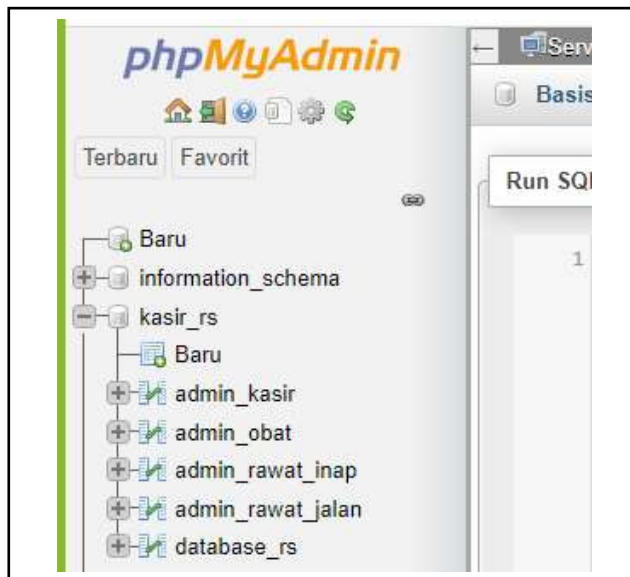
- PERINTAH:
Memberikan hak akses admin ke database.



- HASIL :
Login dengan menggunakan akun admin.

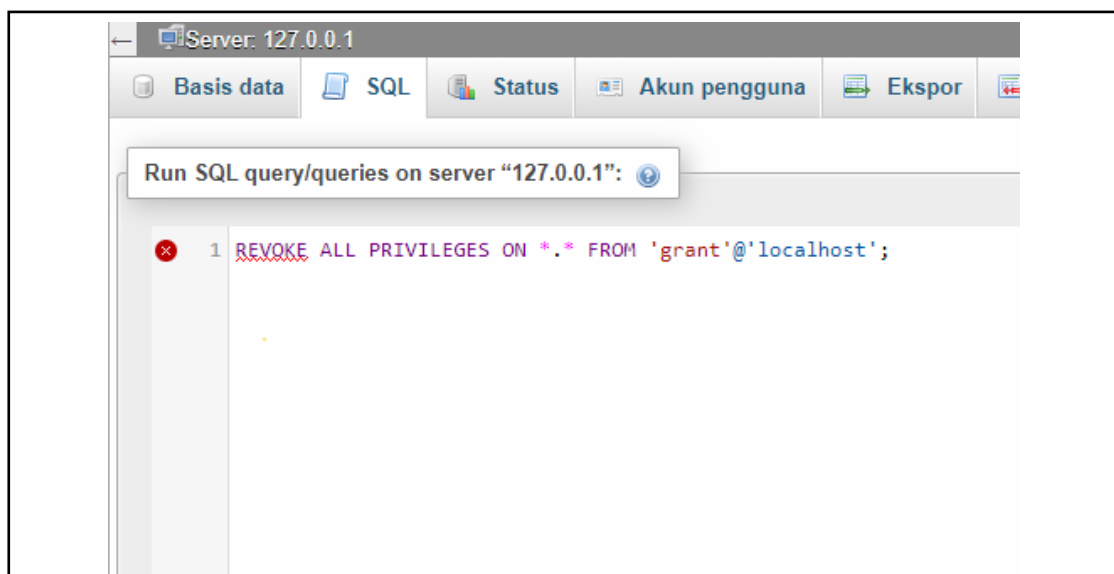


Database dapat terakses dengan akun admin.



2. REVOKE

- PERINTAH :
Menghapus akses admin ke database.



- HASIL :
Login dengan akun admin



Database tidak dapat terakses dengan akun admin.

