

Nama: Widya Anggita Maharani
NIM: 12030123140311
Kelas: E
Tugas: 3

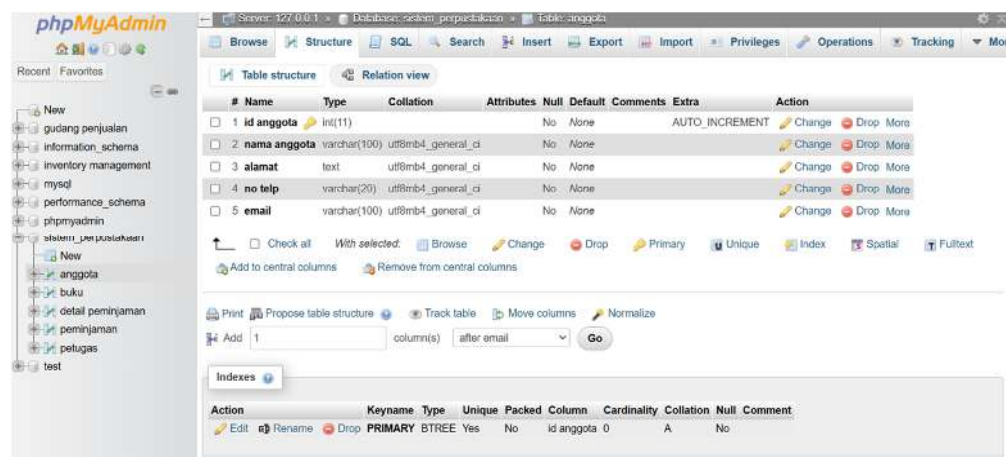
DATABASE PERPUSTAKAAN

Chatgpt:

- Buat sistem perpustakaan lengkap dengan ERD, database, dan struktur tabel dari databasenya buat secara terpisah!

HASIL:

Anggota

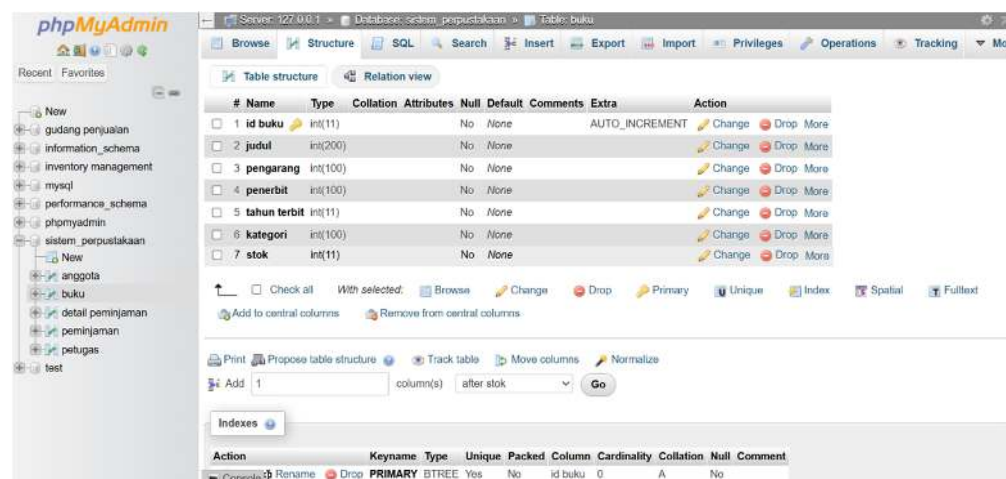


The screenshot shows the phpMyAdmin interface for the 'Database: sistem_perpustakaan' database. The 'Table: anggota' structure is displayed in 'Table structure' view. The table has 5 columns: 'id anggota' (int(11), AUTO_INCREMENT, PRIMARY), 'nama anggota' (varchar(100)), 'alamat' (text), 'no telp' (varchar(20)), and 'email' (varchar(100)). All columns are using the 'utf8mb4_general_ci' collation. The 'Indexes' section shows a PRIMARY index on the 'id anggota' column.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id anggota	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama anggota	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	alamat	text	utf8mb4_general_ci		No	None			Change Drop More
4	no telp	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
5	email	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id anggota	0	A	No	

Buku



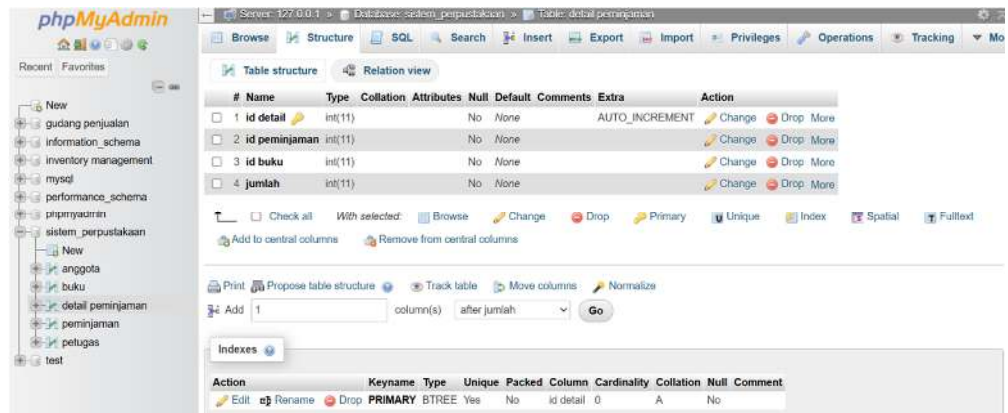
The screenshot shows the phpMyAdmin interface for the 'Database: sistem_perpustakaan' database. The 'Table: buku' structure is displayed in 'Table structure' view. The table has 7 columns: 'id buku' (int(11), AUTO_INCREMENT, PRIMARY), 'judul' (int(200)), 'pengarang' (int(100)), 'penerbit' (int(100)), 'tahun terbit' (int(11)), 'kategori' (int(100)), and 'stok' (int(11)). All columns are using the 'utf8mb4_general_ci' collation. The 'Indexes' section shows a PRIMARY index on the 'id buku' column.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id buku	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	judul	int(200)			No	None			Change Drop More
3	pengarang	int(100)			No	None			Change Drop More
4	penerbit	int(100)			No	None			Change Drop More
5	tahun terbit	int(11)			No	None			Change Drop More
6	kategori	int(100)			No	None			Change Drop More
7	stok	int(11)			No	None			Change Drop More

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id buku	0	A	No	

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Detail peminjaman

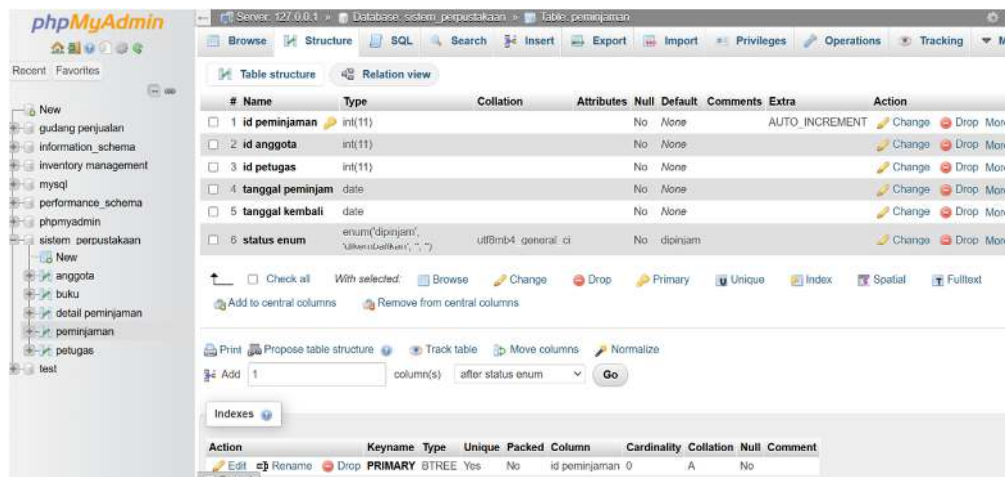


The screenshot shows the phpMyAdmin interface for the 'detail_peminjaman' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id detail	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id peminjaman	int(11)			No	None			Change Drop More
3	id buku	int(11)			No	None			Change Drop More
4	jumlah	int(11)			No	None			Change Drop More

The 'Indexes' section shows a PRIMARY index on the 'id detail' column.

Peminjaman



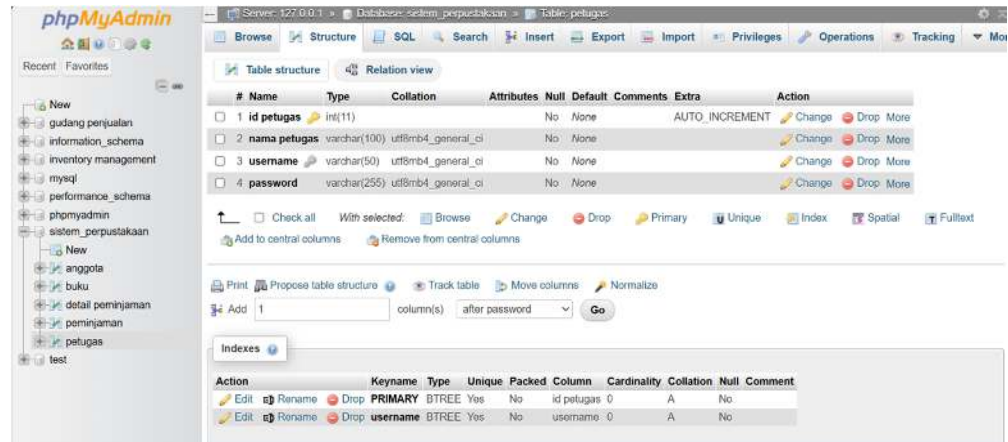
The screenshot shows the phpMyAdmin interface for the 'peminjaman' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id peminjaman	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id anggota	int(11)			No	None			Change Drop More
3	id petugas	int(11)			No	None			Change Drop More
4	tanggal peminjam	date			No	None			Change Drop More
5	tanggal kembali	date			No	None			Change Drop More
6	status	enum('dipinjam', 'dikembalikan')	utf8mb4_general_ci		No	dipinjam			Change Drop More

The 'Indexes' section shows a PRIMARY index on the 'id peminjaman' column.

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Petugas



Kode sql:

-- Tabel anggota

CREATE TABLE anggota (

id_anggota INT AUTO_INCREMENT PRIMARY KEY,

nama VARCHAR(100) NOT NULL,

alamat TEXT,

no_telp VARCHAR(20),

email VARCHAR(100)

);

-- Tabel buku

CREATE TABLE buku (

id_buku INT AUTO_INCREMENT PRIMARY KEY,

judul VARCHAR(200) NOT NULL,

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```
pengarang VARCHAR(100),  
  
penerbit VARCHAR(100),  
  
tahun_terbit YEAR,  
  
kategori VARCHAR(100),  
  
stok INT DEFAULT 0  
  
);  
  
  
-- Tabel petugas  
  
CREATE TABLE petugas (  
  
id_petugas INT AUTO_INCREMENT PRIMARY KEY,  
  
nama_petugas VARCHAR(100),  
  
username VARCHAR(50) UNIQUE,  
  
password VARCHAR(255)  
  
);  
  
  
-- Tabel peminjaman  
  
CREATE TABLE peminjaman (  
  
id_peminjaman INT AUTO_INCREMENT PRIMARY KEY,  
  
id_anggota INT,  
  
id_petugas INT,  
  
tanggal_pinjam DATE,  
  
tanggal_kembali DATE,  
  
status ENUM('dipinjam', 'dikembalikan') DEFAULT 'dipinjam',  
  
FOREIGN KEY (id_anggota) REFERENCES anggota(id_anggota),
```

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```
FOREIGN KEY (id_petugas) REFERENCES petugas(id_petugas)

);
```

-- Tabel detail_peminjaman

```
CREATE TABLE detail_peminjaman (

    id_detail INT AUTO_INCREMENT PRIMARY KEY,

    id_peminjaman INT,

    id_buku INT,

    jumlah INT,

    FOREIGN KEY (id_peminjaman) REFERENCES
peminjaman(id_peminjaman),

    FOREIGN KEY (id_buku) REFERENCES buku(id_buku)

);
```