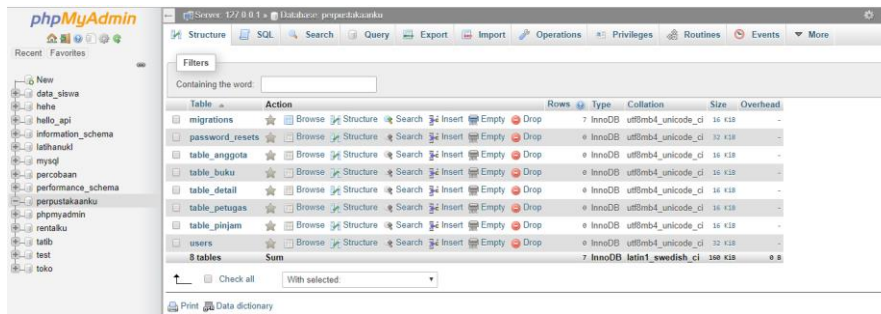


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TUGAS 2

MIGRATION

Database



The screenshot shows the phpMyAdmin interface for a database named 'perpustakaanku'. The 'Structure' tab is selected, displaying a list of tables. The tables are: migrations, password_resets, table_anggota, table_buku, table_detail, table_petugas, table_pinjam, and users. Each table entry includes icons for browsing, viewing structure, searching, inserting, emptying, and dropping the table. At the bottom, a summary row indicates there are 8 tables in total.

Table	Action	Rows	Type	Collation	Size	Overhead
migrations	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_unicode_ci	16 K18	-
password_resets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32 K18	-
table_anggota	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K18	-
table_buku	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K18	-
table_detail	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K18	-
table_petugas	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K18	-
table_pinjam	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16 K18	-
users	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32 K18	-
8 tables	Sum			7 InnoDB latin1_swedish_ci	180 K18	0.8

CMD Migration

```
C:\xampp\htdocs\Laravel-1>php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (0.54 seconds)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (0.54 seconds)
Migrating: 2020_01_14_065123_create_table_petugas
Migrated: 2020_01_14_065123_create_table_petugas (0.29 seconds)
Migrating: 2020_01_14_065402_create_table_detail
Migrated: 2020_01_14_065402_create_table_detail (0.26 seconds)
Migrating: 2020_01_14_065704_create_table_pinjam
Migrated: 2020_01_14_065704_create_table_pinjam (0.3 seconds)
Migrating: 2020_01_14_070017_create_table_buku
Migrated: 2020_01_14_070017_create_table_buku (0.25 seconds)
Migrating: 2020_01_14_070145_create_table_anggota
Migrated: 2020_01_14_070145_create_table_anggota (0.22 seconds)
```

Coding

1. Coding table anggota

```

<?php

use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

class CreateTableAnggota extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('table_anggota', function (Blueprint $table) {
            $table->bigIncrements('id');
            $table->string('nama_anggota', 100);
            $table->string('alamat', 100);
            $table->string('telp', 100);
            $table->timestamps();
        });
    }
}

```

2. Coding table pinjam

```

1  <?php
2
3  use Illuminate\Support\Facades\Schema;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Database\Migrations\Migration;
6
7  class CreateTablePinjam extends Migration
8  {
9      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14       public function up()
15       {
16           Schema::create('table_pinjam', function (Blueprint $table) {
17               $table->bigIncrements('id');
18               $table->date('tgl');
19               $table->integer('id_anggota');
20               $table->integer('id_petugas');
21               $table->date('tgl_kembali');
22               $table->string('denda', 100);
23               $table->timestamps();
24           });
25       }
26

```

3. Coding table petugas

```

<?php

use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

class CreateTablePetugas extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('table_petugas', function (Blueprint $table) {
            $table->bigIncrements('id');
            $table->string('nama_petugas', 100);
            $table->string('alamat', 100);
            $table->string('telp', 100);
            $table->string('username', 100);
            $table->string('password', 100);
            $table->timestamps();
        });
    }
}

```

4. Coding table buku

```

<?php

use Illuminate\Support\Facades\Schema;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Database\Migrations\Migration;

class CreateTableBuku extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('table_buku', function (Blueprint $table) {
            $table->bigIncrements('id');
            $table->string('judul', 100);
            $table->string('penerbit', 100);
            $table->string('pengarang', 100);
            $table->string('foto', 100);
            $table->timestamps();
        });
    }
}

```

5. Coding table detail

```
1 <?php
2
3 use Illuminate\Support\Facades\Schema;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Database\Migrations\Migration;
6
7 class CreateTableDetail extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('table_detail', function (Blueprint $table) {
17             $table->bigIncrements('id');
18             $table->integer('id_pinjam');
19             $table->integer('id_buku');
20             $table->string('qty', 100);
21             $table->timestamps();
22         });
23     }
24 }
```