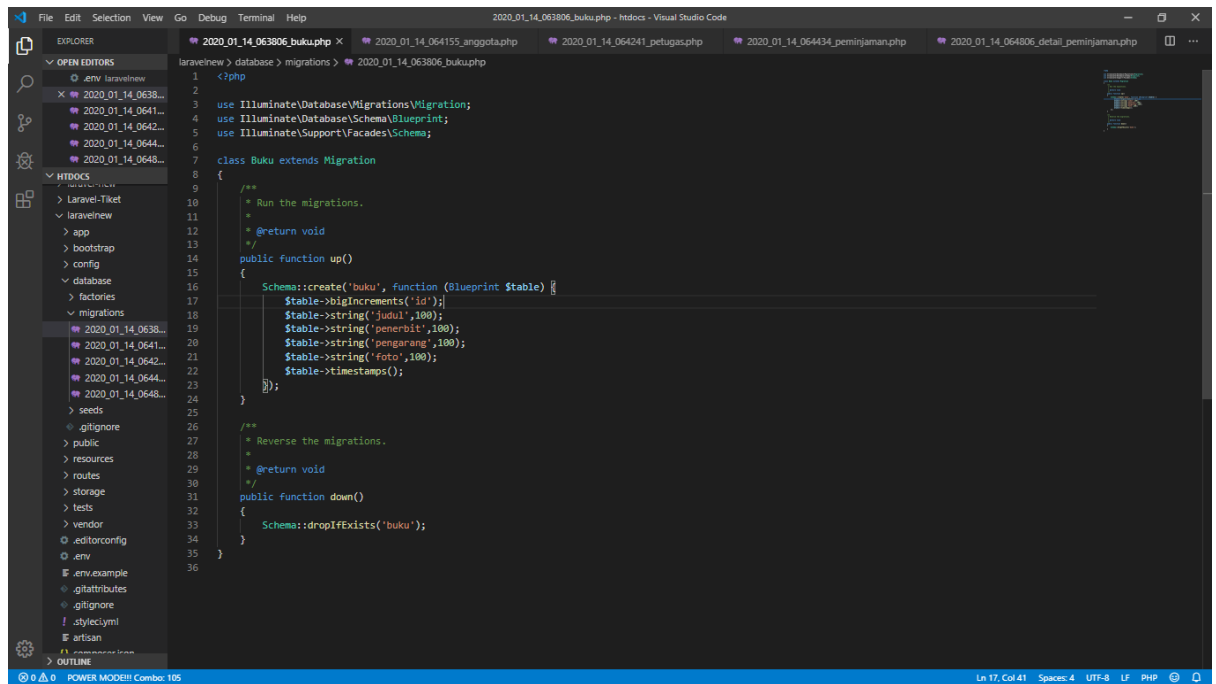


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No.Absen : 31

## 1. Migration Buku



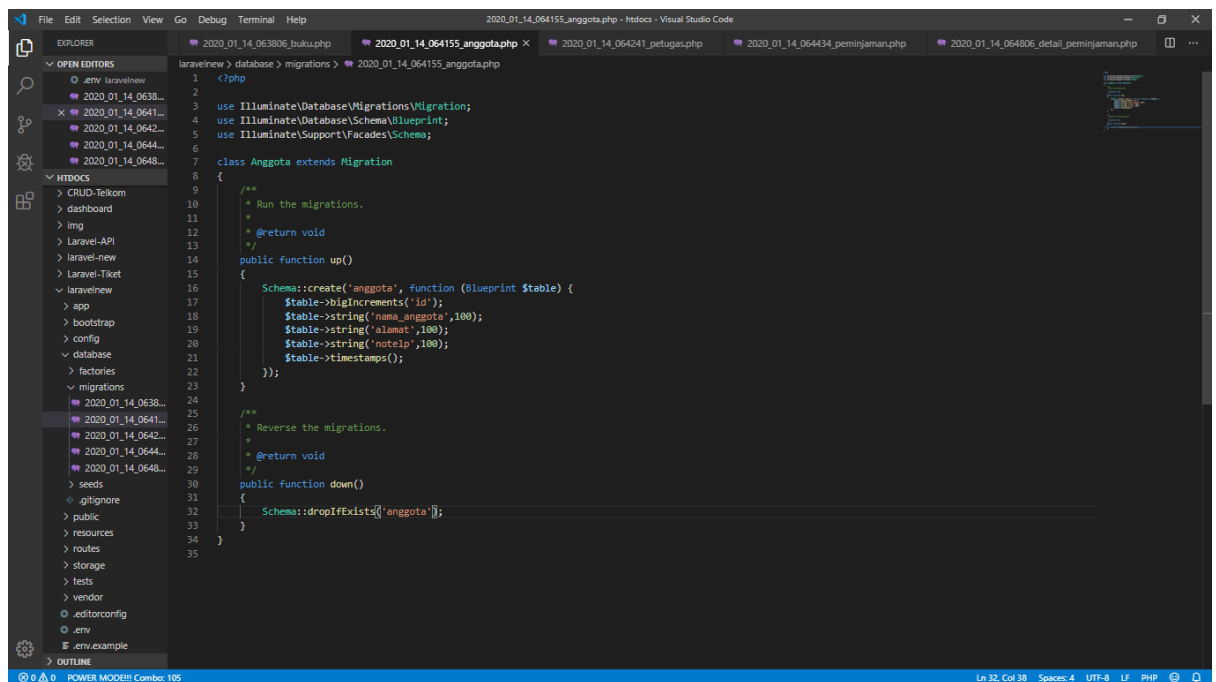
The screenshot shows a Visual Studio Code editor with a Laravel project. The Explorer panel on the left shows the file structure, with the 'migrations' folder expanded. The file '2020\_01\_14\_063806\_buku.php' is selected. The main editor displays the code for this migration file. The code defines a 'Buku' migration class that extends 'Migration'. It includes an 'up()' method that creates a 'buku' table with columns: 'id' (bigIncrements), 'judul' (string, 100), 'penerbit' (string, 100), 'pengarang' (string, 100), 'foto' (string, 100), and 'timestamps'. It also includes a 'down()' method that drops the 'buku' table if it exists.

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class Buku extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('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();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('buku');
    }
}
```

## 2. Migration Anggota



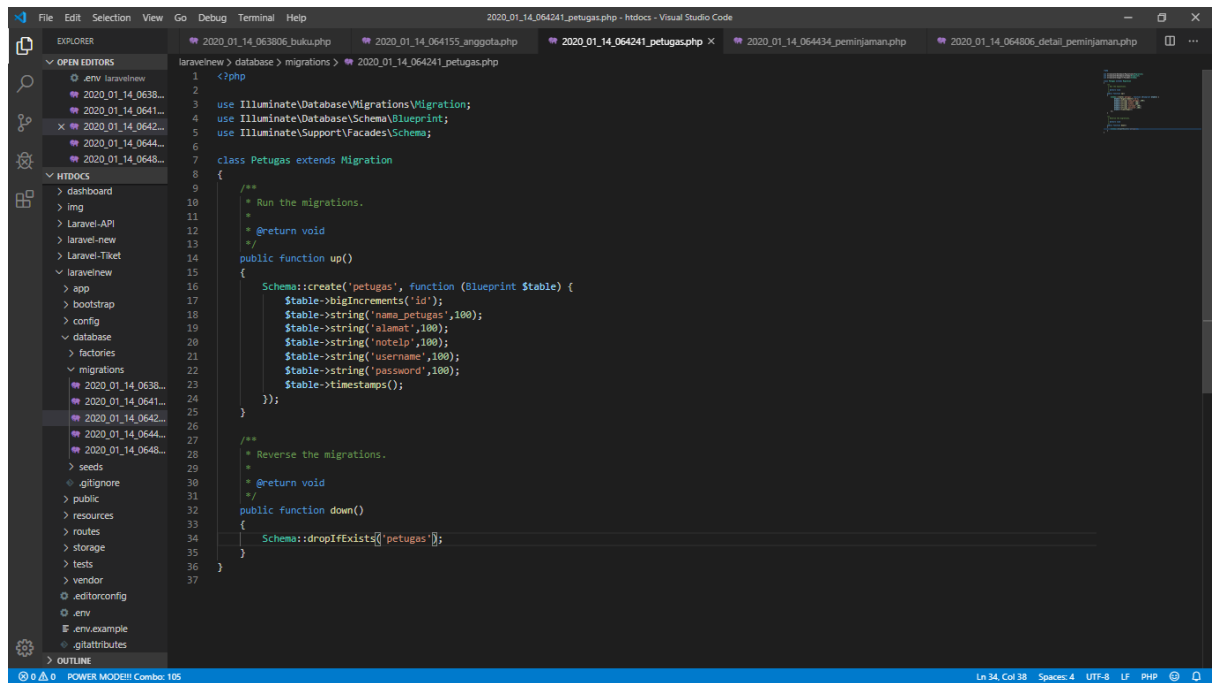
The screenshot shows a Visual Studio Code editor with a Laravel project. The Explorer panel on the left shows the file structure, with the 'migrations' folder expanded. The file '2020\_01\_14\_064155\_anggota.php' is selected. The main editor displays the code for this migration file. The code defines an 'Anggota' migration class that extends 'Migration'. It includes an 'up()' method that creates an 'anggota' table with columns: 'id' (bigIncrements), 'nama\_anggota' (string, 100), 'alamat' (string, 100), 'nomor\_telp' (string, 100), and 'timestamps'. It also includes a 'down()' method that drops the 'anggota' table if it exists.

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

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

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('anggota');
    }
}
```

## 3. Migration Petugas

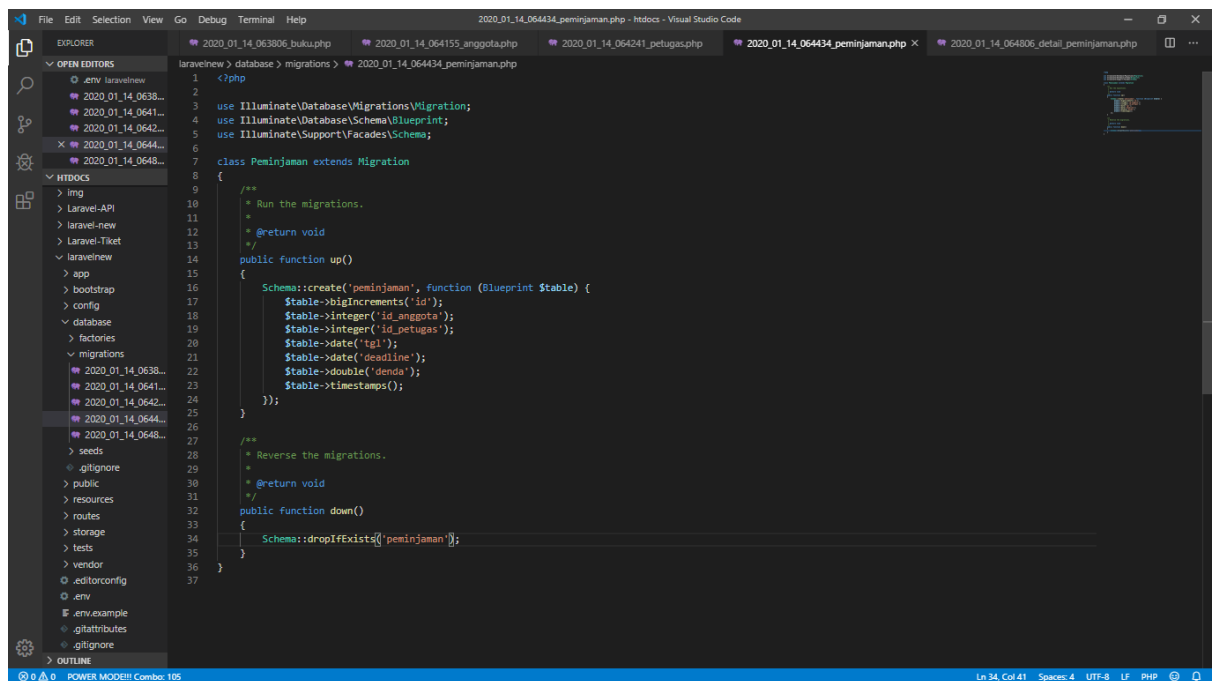


```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

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

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('petugas');
    }
}
```

#### 4. Migration Peminjaman



```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class Peminjaman extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('peminjaman', function (Blueprint $table) {
            $table->bigIncrements('id');
            $table->integer('id_anggota');
            $table->integer('id_petugas');
            $table->date('tgl');
            $table->date('deadline');
            $table->double('denda');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('peminjaman');
    }
}
```

#### 5. Migration Detail Peminjaman

```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 class DetailPeminjaman extends Migration
8 {
9     /**
10      * Run the migrations.
11      *
12      * @return void
13      */
14     public function up()
15     {
16         Schema::create('detail_peminjaman', function (Blueprint $table) {
17             $table->bigIncrements('id');
18             $table->integer('id_peminjam');
19             $table->integer('id_buku');
20             $table->integer('qty');
21             $table->timestamps();
22         });
23     }
24
25     /**
26      * Reverse the migrations.
27      *
28      * @return void
29      */
30     public function down()
31     {
32         Schema::dropIfExists('detail_peminjaman');
33     }
34 }
35
```

## 6. CMD

```
Created Migration: 2020_01_14_064806_detail_peminjaman
PS C:\xampp\htdocs\laravelnew> php artisan migrate
Migration table created successfully.
Migrating: 2020_01_14_063806_buku
Migrated: 2020_01_14_063806_buku (0.16 seconds)
Migrating: 2020_01_14_064155_anggota
Migrated: 2020_01_14_064155_anggota (0.09 seconds)
Migrating: 2020_01_14_064241_petugas
Migrated: 2020_01_14_064241_petugas (0.15 seconds)
Migrating: 2020_01_14_064434_peminjaman
Migrated: 2020_01_14_064434_peminjaman (0.15 seconds)
Migrating: 2020_01_14_064806_detail_peminjaman
Migrated: 2020_01_14_064806_detail_peminjaman (0.13 seconds)
PS C:\xampp\htdocs\laravelnew>
```