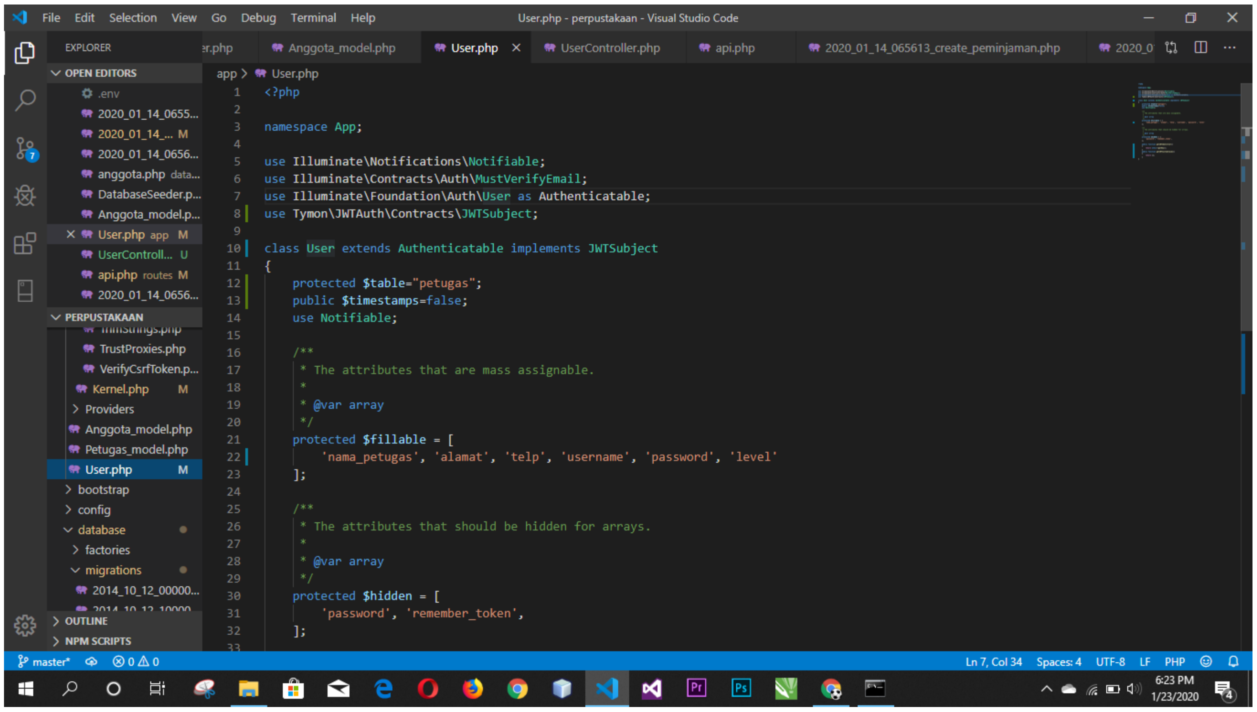
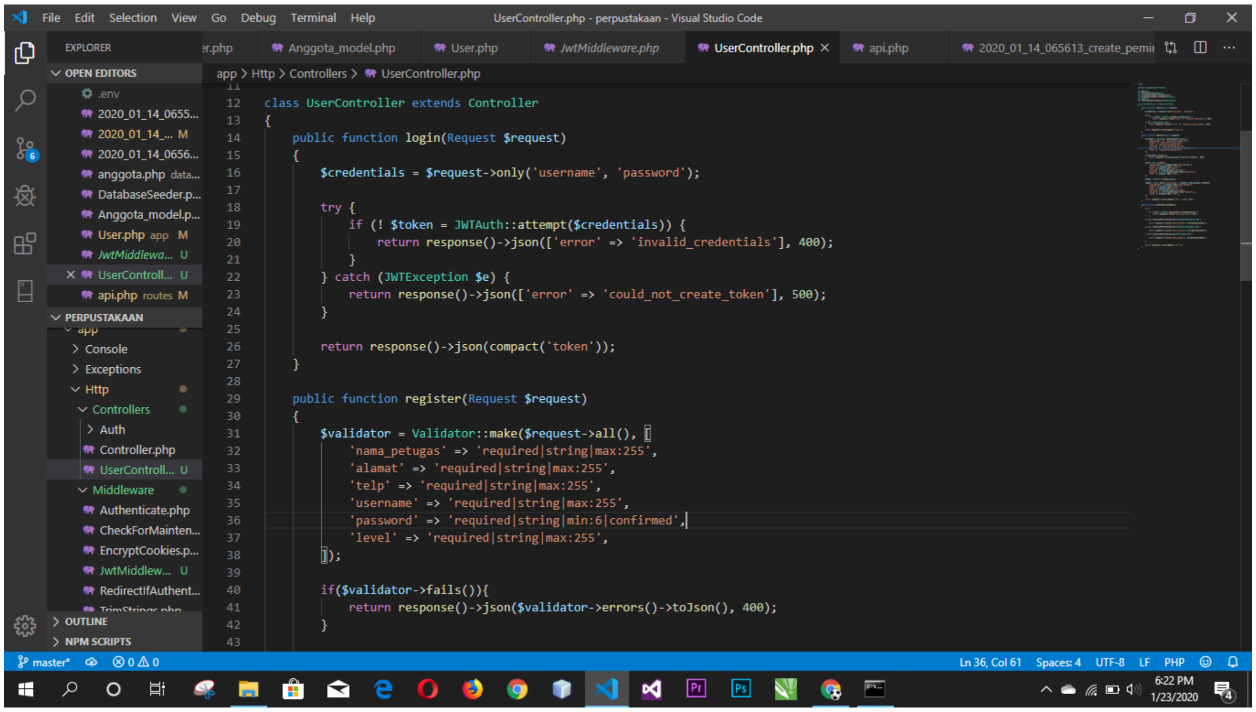
- **Script Model**

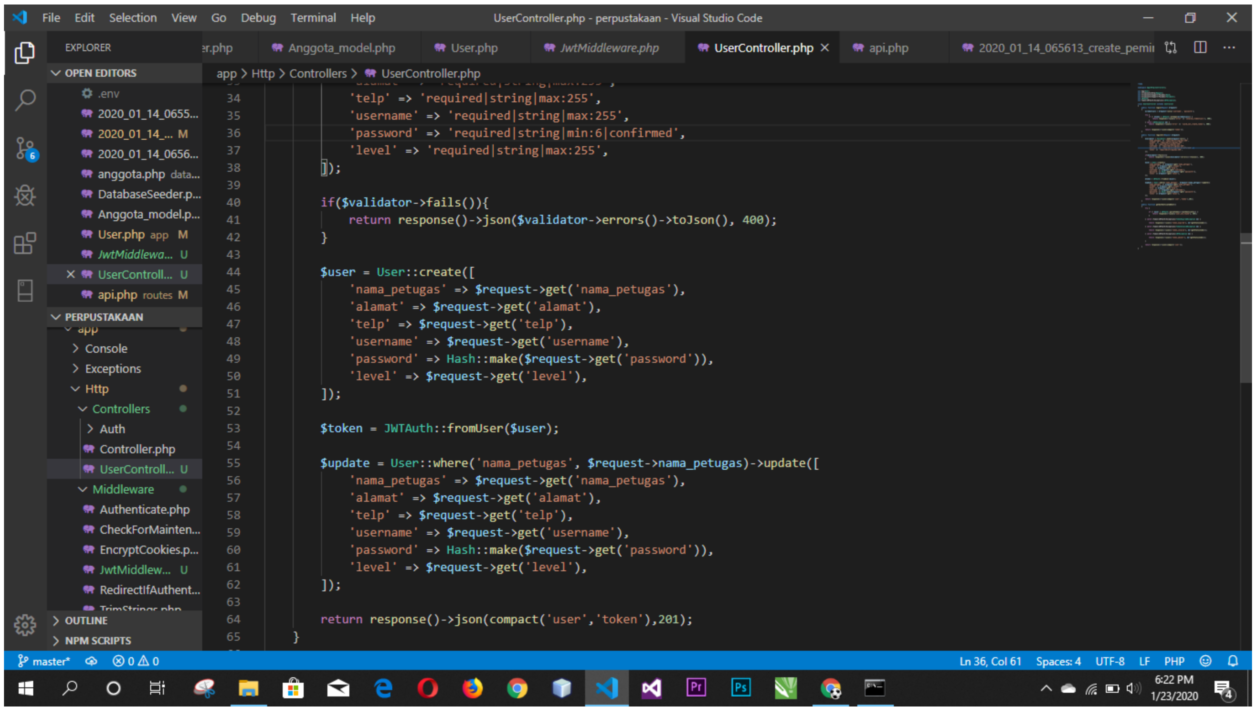


```php
<?php

namespace App;

use Illuminate\Notifications\Notifiable;
use Illuminate\Contracts\Auth\MustVerifyEmail;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Tymon\JWTAuth\Contracts\JWTSubject;

class User extends Authenticatable implements JWTSubject
{
    protected $table="petugas";
    public $timestamps=false;
    use Notifiable;

    /**
     * The attributes that are mass assignable.
     *
     * @var array
     */
    protected $fillable = [
        'nama_petugas', 'alamat', 'telp', 'username', 'password', 'level'
    ];

    /**
     * The attributes that should be hidden for arrays.
     *
     * @var array
     */
    protected $hidden = [
        'password', 'remember_token',
    ];
```

- **Script Controller**

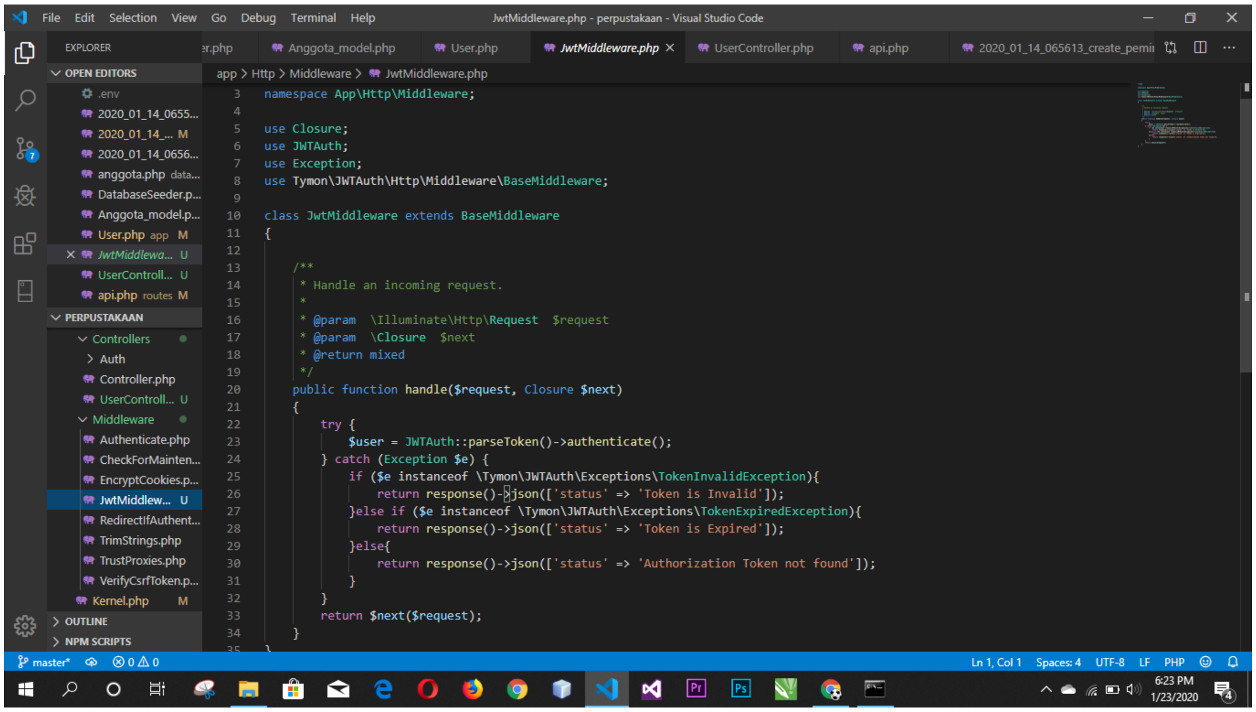


```php
class UserController extends Controller
{
    public function login(Request $request)
    {
        $credentials = $request->only('username', 'password');

        try {
            if (! $token = JWTAuth::attempt($credentials)) {
                return response()->json(['error' => 'invalid_credentials'], 400);
            }
        } catch (JWTException $e) {
            return response()->json(['error' => 'could_not_create_token'], 500);
        }

        return response()->json(compact('token'));
    }

    public function register(Request $request)
    {
        $validator = Validator::make($request->all(), [
            'nama_petugas' => 'required|string|max:255',
            'alamat' => 'required|string|max:255',
            'telp' => 'required|string|max:255',
            'username' => 'required|string|max:255',
            'password' => 'required|string|min:6|confirmed',
            'level' => 'required|string|max:255',
        ]);

        if($validator->fails()){
            return response()->json($validator->errors()->toJson(), 400);
        }
```



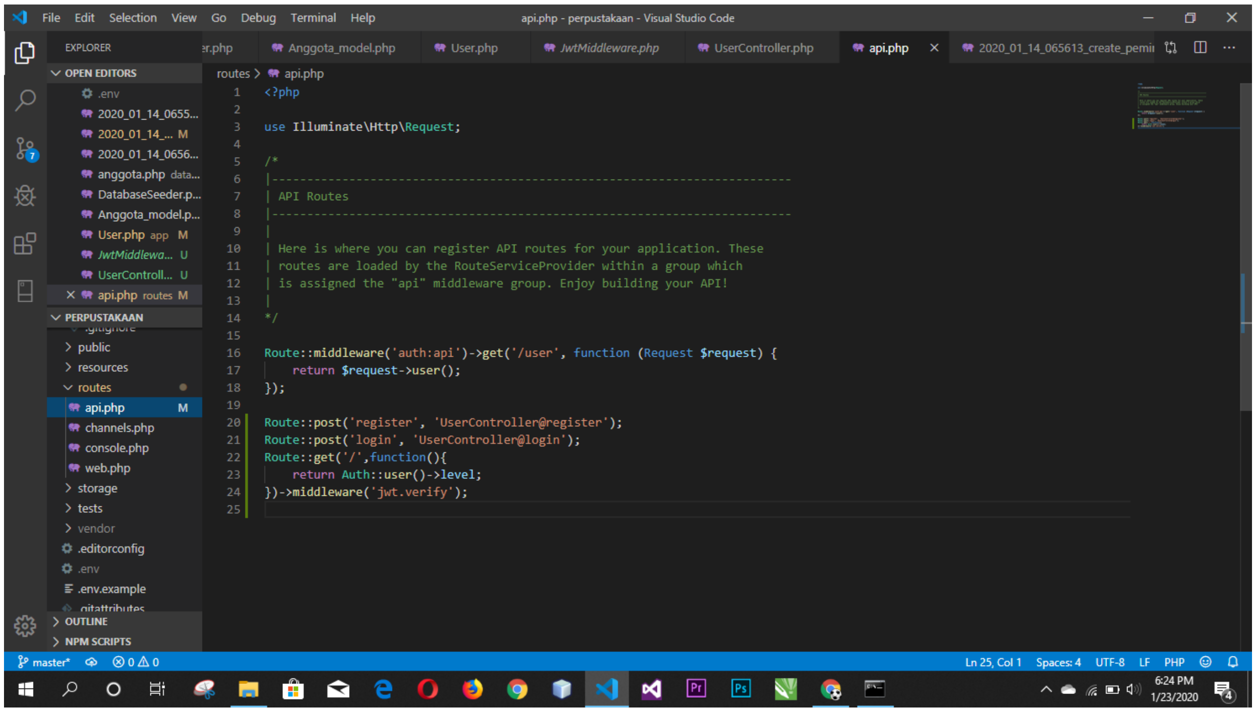
```php
            'telp' => 'required|string|max:255',
            'username' => 'required|string|max:255',
            'password' => 'required|string|min:6|confirmed',
            'level' => 'required|string|max:255',
        ]);

        if($validator->fails()){
            return response()->json($validator->errors()->toJson(), 400);
        }

        $user = User::create([
            'nama_petugas' => $request->get('nama_petugas'),
            'alamat' => $request->get('alamat'),
            'telp' => $request->get('telp'),
            'username' => $request->get('username'),
            'password' => Hash::make($request->get('password')),
            'level' => $request->get('level'),
        ]);

        $token = JWTAuth::fromUser($user);

        $update = User::where('nama_petugas', $request->nama_petugas)->update([
            'nama_petugas' => $request->get('nama_petugas'),
            'alamat' => $request->get('alamat'),
            'telp' => $request->get('telp'),
            'username' => $request->get('username'),
            'password' => Hash::make($request->get('password')),
            'level' => $request->get('level'),
        ]);

        return response()->json(compact('user','token'),201);
    }
```

- **Script Middleware**


JwtMiddleware.php - perpustakaan - Visual Studio Code
app > Http > Middleware > JwtMiddleware.php

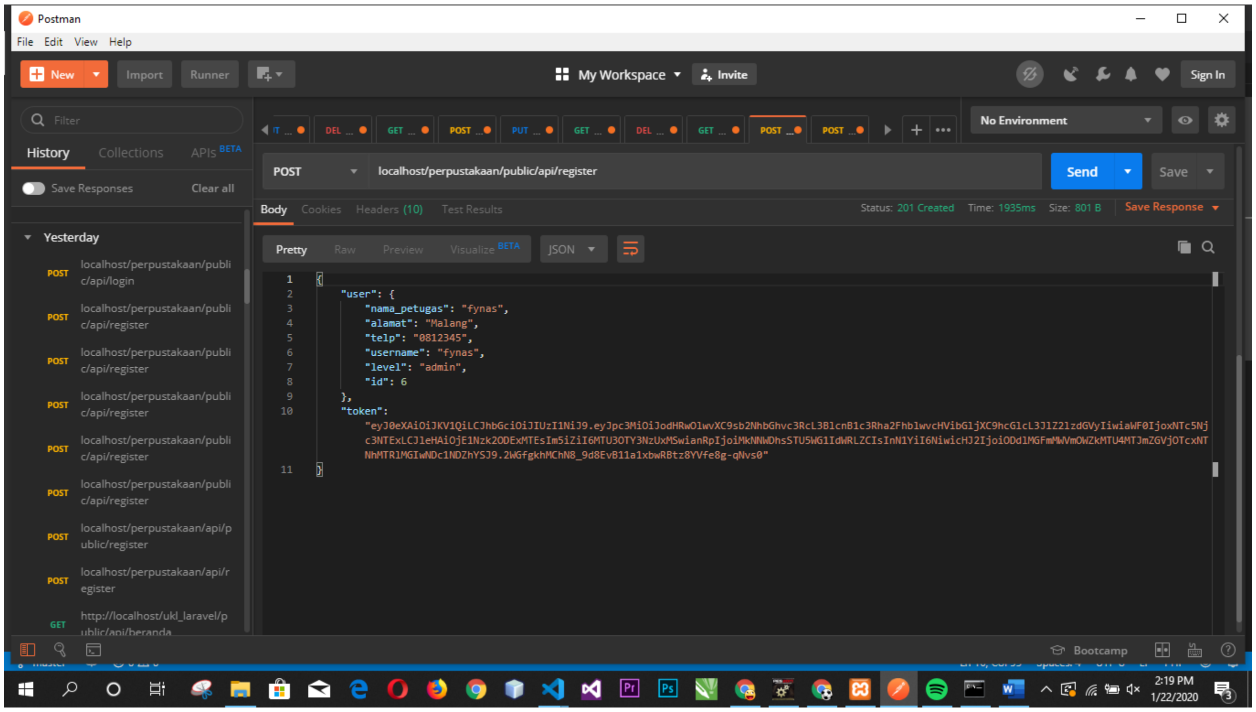
```php
namespace App\Http\Middleware;

use Closure;
use JWTAuth;
use Exception;
use Tymon\JWTAuth\Http\Middleware\BaseMiddleware;

class JwtMiddleware extends BaseMiddleware
{

    /**
     * Handle an incoming request.
     *
     * @param  \Illuminate\Http\Request  $request
     * @param  \Closure  $next
     * @return mixed
     */
    public function handle($request, Closure $next)
    {
        try {
            $user = JWTAuth::parseToken()->authenticate();
        } catch (Exception $e) {
            if ($e instanceof \Tymon\JWTAuth\Exceptions\TokenInvalidException){
                return response()->json(['status' => 'Token is Invalid']);
            }else if ($e instanceof \Tymon\JWTAuth\Exceptions\TokenExpiredException){
                return response()->json(['status' => 'Token is Expired']);
            }else{
                return response()->json(['status' => 'Authorization Token not found']);
            }
        }
        return $next($request);
    }
```

- **Api.php**



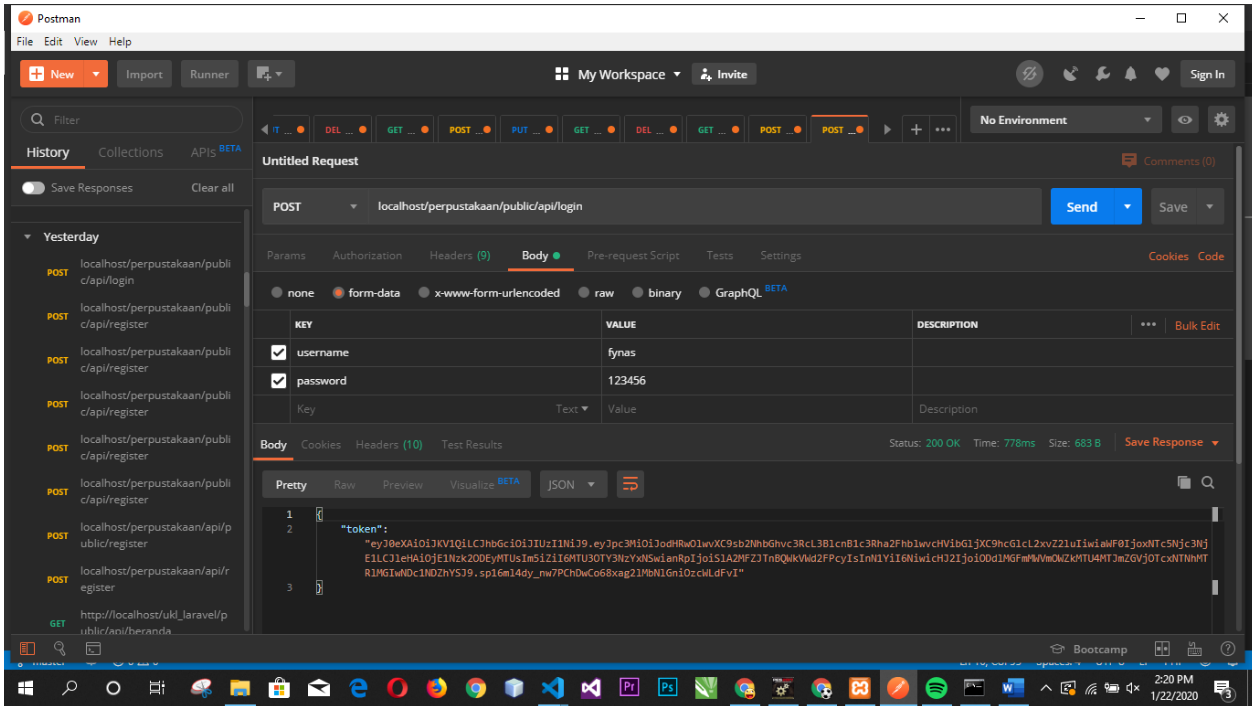
```php
<?php

use Illuminate\Http\Request;

/*
|--------------------------------------------------------------------------
| API Routes
|--------------------------------------------------------------------------
|
| Here is where you can register API routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| is assigned the "api" middleware group. Enjoy building your API!
|
*/

Route::middleware('auth:api')->get('/user', function (Request $request) {
    return $request->user();
});

Route::post('register', 'UserController@register');
Route::post('login', 'UserController@login');
Route::get('/',function(){
    return Auth::user()->level;
})->middleware('jwt.verify');

```

- **Hasil Postman Register dan Login**


POST localhost/perpustakaan/public/api/register

Status: 201 Created Time: 1935ms Size: 801 B

```
{
    "user": {
        "nama_petugas": "fynas",
        "alamat": "Malang",
        "telp": "0812345",
        "username": "fynas",
        "level": "admin",
        "id": 6
    },
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL3BlcnB1c3Rha2FhblwvcHVibGljXC9hcGlcL3JlZ2lzdGVyIiwiaWF0IjoxNTc5Njc3NTExLCJleHAiOjE1Nzk2ODExMTEsIm5iZiI6MTU3OTY3NzUxMSwianRpIjoiMkNNWDhsSTU5WG1IdWRLZCIsInN1YiI6NiwicHJ2IjoiODdlMGFmMWVmOWZkMTU4MTJmZGVjOTcxNTNhMTRlMGIwNDc1NDZhYSJ9.2WGfgkhMChN8_9d8EvB11a1xbwRBtz8YVfe8g-qNvs0"
}
```


Untitled Request

POST localhost/perpustakaan/public/api/login

KEY	VALUE	DESCRIPTION
✓ username	fynas	
✓ password	123456	

Status: 200 OK Time: 778ms Size: 683 B

```
{
    "token":
        "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOlwvXC9sb2NhbGhvc3RcL3BlcnB1c3Rha2FhblwvcHVibGljXC9hcGlcL2xvZ2luIiwiaWF0IjoxNTc5Njc3NjE1LCJleHAiOjE1Nzk2ODEyMTUsIm5iZiI6MTU3OTY3NzYxNSwianRpIjoiSlA2MFZJTnBQWkVWd2FPcyIsInN1YiI6NiwicHJ2IjoiODdlMGFmMWVmOWZkMTU4MTJmZGVjOTcxNTNhMTRlMGIwNDc1NDZhYSJ9.sp16ml4dy_nw7PChDwCo68xag2lMbNlGniOzcWLdFvI"
}
```