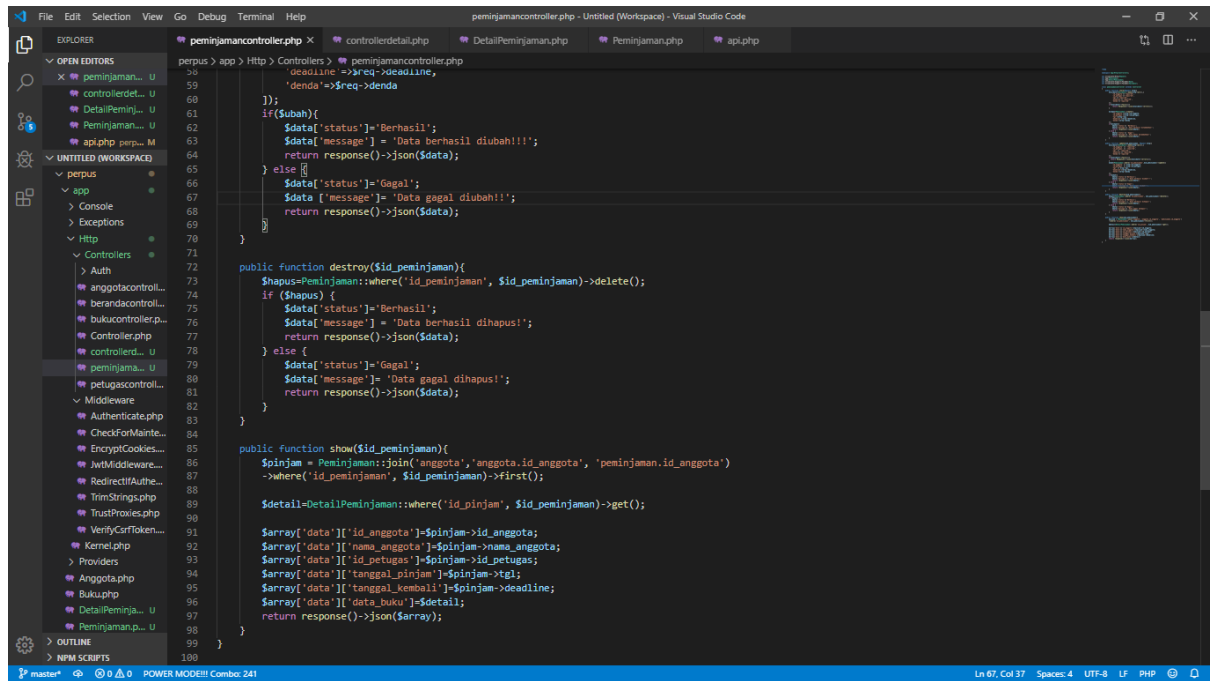


Nama : Saddam Raihan Ramadhan

No.Absen : 31

1. Controller Peminjaman



The screenshot shows the Visual Studio Code editor with the file explorer on the left and the code editor in the center. The file explorer shows the project structure with folders like 'app', 'controllers', and 'models'. The code editor displays the 'peminjamancontroller.php' file. The code is written in PHP and includes the following functions:

```
public function update($id_peminjaman, $data){
    $peminjaman = Peminjaman::where('id_peminjaman', $id_peminjaman)->first();
    if($peminjaman){
        $peminjaman->update($data);
        return response()->json($peminjaman);
    } else {
        return response()->json(['status' => 'Gagal', 'message' => 'Data gagal diubah!']);
    }
}

public function destroy($id_peminjaman){
    $peminjaman = Peminjaman::where('id_peminjaman', $id_peminjaman)->delete();
    if($peminjaman){
        return response()->json(['status' => 'Berhasil', 'message' => 'Data berhasil dihapus!']);
    } else {
        return response()->json(['status' => 'Gagal', 'message' => 'Data gagal dihapus!']);
    }
}

public function show($id_peminjaman){
    $pinjam = Peminjaman::join('anggota', 'anggota.id_anggota', 'peminjaman.id_anggota')
    ->where('id_peminjaman', $id_peminjaman)->first();

    $detail = DetailPeminjaman::where('id_pinjam', $id_peminjaman)->get();

    $array['data']['id_anggota'] = $pinjam->id_anggota;
    $array['data']['nama_anggota'] = $pinjam->nama_anggota;
    $array['data']['id_petugas'] = $pinjam->id_petugas;
    $array['data']['tanggal_pinjam'] = $pinjam->tgl;
    $array['data']['tanggal_kembali'] = $pinjam->deadline;
    $array['data']['data_buku'] = $detail;
    return response()->json($array);
}
```

The screenshot shows the Visual Studio Code editor with the file 'peminjamancontroller.php' open. The code defines a 'PeminjamanController' class that extends 'Controller'. It includes a 'store' method that validates input data (id_anggota, id_petugas, ttl, deadline, denda) and creates a new 'Peminjaman' record. The status is set to 'Berhasil' (Success) if the record is created, or 'Gagal' (Failed) if it fails. The status is returned in a JSON response.

```

<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Peminjaman;
use App\DetailPeminjaman;
use Illuminate\Support\Facades\Validator;
use Illuminate\Support\Facades\Validator;

class PeminjamanController extends Controller
{
    public function store(Request $req){
        $validator=Validator::make($req->all(),[
            'id_anggota'=>'required',
            'id_petugas'=>'required',
            'ttl'=>'required',
            'deadline'=>'required',
            'denda'=>'required'
        ]);
        if($validator->fails()){
            return Response()->json($validator->errors());
        }

        $simpan=Peminjaman::create([
            'id_anggota'=>$req->id_anggota,
            'id_petugas'=>$req->id_petugas,
            'ttl'=>$req->ttl,
            'deadline'=>$req->deadline,
            'denda'=>$req->denda
        ]);
        if($simpan){
            $data['status']= 'Berhasil';
            $data['message']= 'Data berhasil ditambahkan!';
            return response()->json($data);
        } else {
            $data['status']= 'Gagal';
            $data['message']= 'Data batal ditambahkan!';
            return response()->json($data);
        }
    }

    public function update($id_peminjaman, Request $req){

```

The screenshot shows the Visual Studio Code editor with the file 'peminjamancontroller.php' open. The code defines a 'PeminjamanController' class that extends 'Controller'. It includes an 'update' method that updates an existing 'Peminjaman' record and a 'destroy' method that deletes a 'Peminjaman' record. The status is set to 'Berhasil' (Success) if the record is updated or deleted, or 'Gagal' (Failed) if it fails. The status is returned in a JSON response.

```

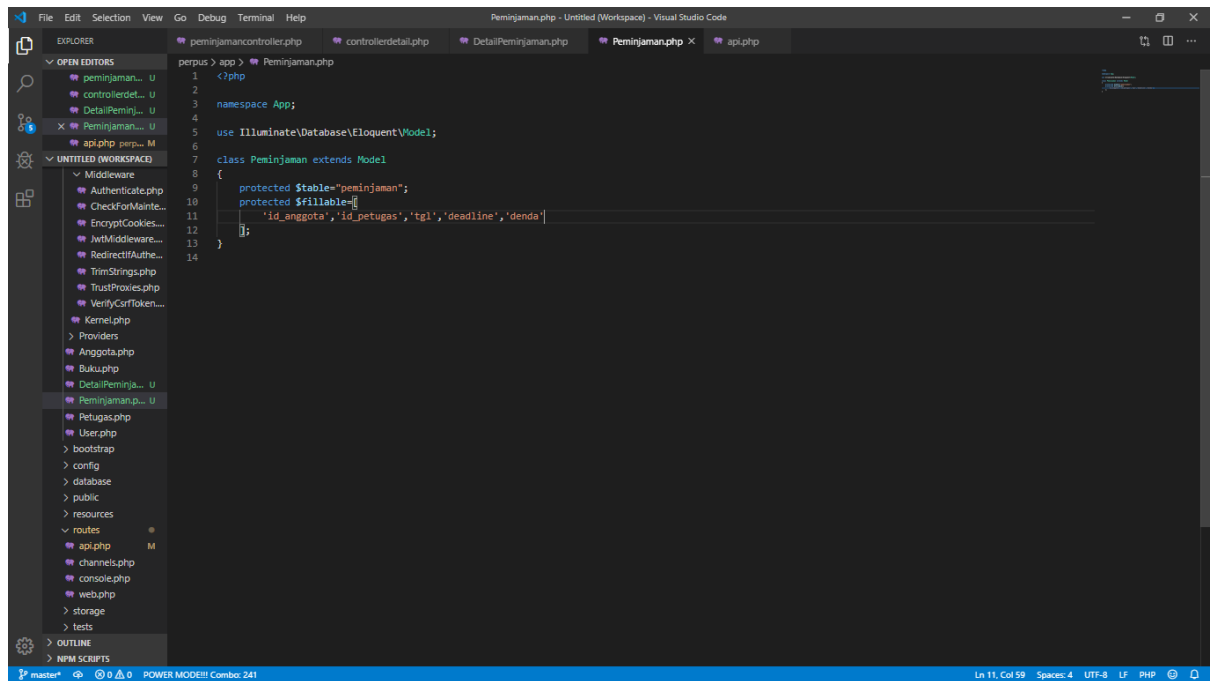
    public function update($id_peminjaman, Request $req){
        $validator=Validator::make($req->all(),[
            'id_anggota' => 'required',
            'id_petugas' => 'required',
            'ttl' => 'required',
            'deadline'=>'required',
            'denda'=>'required'
        ]);
        if($validator->fails()){
            return Response()->json($validator->errors());
        }

        $ubah=Peminjaman::where('id_peminjaman',$id_peminjaman)->update([
            'id_anggota' => $req->id_anggota,
            'id_petugas' => $req->id_petugas,
            'ttl' => $req->ttl,
            'deadline' =>$req->deadline,
            'denda'=>$req->denda
        ]);
        if($ubah){
            $data['status']='Berhasil';
            $data['message']= 'Data berhasil diubah!!!';
            return response()->json($data);
        } else {
            $data['status']='Gagal';
            $data['message']= 'Data gagal diubah!!';
            return response()->json($data);
        }
    }

    public function destroy($id_peminjaman){
        $hapus=Peminjaman::where('id_peminjaman', $id_peminjaman)->delete();
        if ($hapus) {
            $data['status']='Berhasil';
            $data['message']= 'Data berhasil dihapus!';
            return response()->json($data);
        } else {
            $data['status']='Gagal';
            $data['message']= 'Data gagal dihapus!';
            return response()->json($data);
        }
    }
}

```

2. Model Peminjaman



3. Controller Detail_Peminjaman

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use App\DetailPeminjaman;
7 use Illuminate\Support\Facades\Hash;
8 use Illuminate\Support\Facades\Validator;
9
10 class ControllerDetail extends Controller
11 {
12     public function store(Request $req){
13         $validator=Validator::make($req->all(),[
14             'id_pinjam'=>'required',
15             'id_buku'=>'required',
16             'qty'=>'required',
17         ]);
18         if($validator->fails()){
19             return response()->json($validator->errors());
20         }
21
22         $simpan=DetailPeminjaman::create([
23             'id_pinjam'=>$req->id_pinjam,
24             'id_buku'=>$req->id_buku,
25             'qty'=>$req->qty
26         ]);
27         if($simpan){
28             $data['status']= 'Berhasil';
29             $data['message']= 'Data berhasil ditambahkan!';
30             return response()->json($data);
31         } else {
32             $data['status']= 'Gagal';
33             $data['message']= 'Data batal ditambahkan!';
34             return response()->json($data);
35         }
36     }
37
38     public function destroy($id_detail){
39         $hapus=DetailPeminjaman::where('id_detail', $id_detail)->delete();
40         if ($hapus) {
41             $data['status']= 'Berhasil';
42             $data['message']= 'Data berhasil dihapus!';
43             return response()->json($data);
44         }
```

```
9
10 class ControllerDetail extends Controller
11 {
12     public function store(Request $req){
13         $validator=Validator::make($req->all(),[
14             'id_pinjam'=>'required',
15             'id_buku'=>'required',
16             'qty'=>'required',
17         ]);
18         if($validator->fails()){
19             return response()->json($validator->errors());
20         }
21
22         $simpan=DetailPeminjaman::create([
23             'id_pinjam'=>$req->id_pinjam,
24             'id_buku'=>$req->id_buku,
25             'qty'=>$req->qty
26         ]);
27         if($simpan){
28             $data['status']= 'Berhasil';
29             $data['message']= 'Data berhasil ditambahkan!';
30             return response()->json($data);
31         } else {
32             $data['status']= 'Gagal';
33             $data['message']= 'Data batal ditambahkan!';
34             return response()->json($data);
35         }
36     }
37
38     public function destroy($id_detail){
39         $hapus=DetailPeminjaman::where('id_detail', $id_detail)->delete();
40         if ($hapus) {
41             $data['status']= 'Berhasil';
42             $data['message']= 'Data berhasil dihapus!';
43             return response()->json($data);
44         } else {
45             $data['status']= 'Gagal';
46             $data['message']= 'Data gagal dihapus!';
47             return response()->json($data);
48         }
49     }
50 }
```

```
public function destroy($id_detail){
    $hapus=DetailPeminjaman::where('id_detail', $id_detail)->delete();
    if ($hapus) {
        $data['status']='Berhasil';
        $data['message']='Data berhasil dihapus!';
        return response()->json($data);
    } else {
        $data['status']='Gagal';
        $data['message']='Data gagal dihapus!';
        return response()->json($data);
    }
}

public function update($id_detail, Request $req){
    $validator=Validator::make($req->all(),[
        'id_pinjam' => 'required',
        'id_buku' => 'required',
        'qty' => 'required'
    ]);
    if($validator->fails()){
        return Response()->json($validator->errors());
    }
    $ubah=DetailPeminjaman::where('id_detail',$id_detail)->update([
        'id_pinjam' => $req->id_pinjam,
        'id_buku' => $req->id_buku,
        'qty' => $req->qty
    ]);
    if($ubah){
        $data['status']='Berhasil';
        $data['message']='Data berhasil diubah!!!';
        return response()->json($data);
    } else {
        $data['status']='Gagal';
        $data['message']='Data gagal diubah!!!';
        return response()->json($data);
    }
}
```

4. Model Detail_Peminjaman

```
class DetailPeminjaman extends Model
{
    protected $table='detail_peminjaman';
    protected $primaryKey='id';
    protected $fillable=[
        'id_pinjam','id_buku','qty'
    ];
}
```

5. Testing Peminjaman

NEW Runner Import Builder Team Library IN SYNC Saddam Ra... Hey! You're running a very old version of Postman. Our newest app has a lot more features. [Download](#)

Filter History Collections Clear all

Today

- PUT http://localhost/perpus/public/api/peminjaman/1
- PUT http://localhost/perpus/public/api/peminjaman/1
- DEL http://localhost/perpus/public/api/detail_buku/2
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/detail_buku
- DEL http://localhost/perpus/public/api/peminjaman/2
- GET http://localhost/perpus/public/api/peminjaman/1
- GET http://localhost/perpus/public/api/peminjaman/2

PUT http://localhost/perpus/public/api/peminjaman/1

Authorization Headers (1) Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> id_anggota	2			
<input checked="" type="checkbox"/> id_petugas	2			
<input checked="" type="checkbox"/> tgl	2020-01-02			
<input checked="" type="checkbox"/> deadline	2020-10-02			
<input checked="" type="checkbox"/> denda	20.000			
New key	Value	Description		

Body Cookies Headers (10) Test Results Status: 200 OK Time: 1328 ms

Pretty Raw Preview JSON

```
1 {
2   "status": "Berhasil",
3   "message": "Data berhasil diubah!!!"
4 }
```

NEW Runner Import Builder Team Library IN SYNC Saddam Ra... Hey! You're running a very old version of Postman. Our newest app has a lot more features. [Download](#)

Filter History Collections Clear all

Today

- POST http://localhost/perpus/public/api/peminjaman
- GET http://localhost/perpus/public/api/peminjaman/1
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/detail_buku
- POST http://localhost/perpus/public/api/peminjaman
- POST http://localhost/perpus/public/api/peminjaman
- POST http://localhost/perpus/public/api/peminjaman/
- POST http://localhost/perpus/public/api/peminjaman/
- POST http://localhost/perpus/public/api/peminjaman/

POST http://localhost/perpus/public/api/peminjaman

Authorization Headers Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary

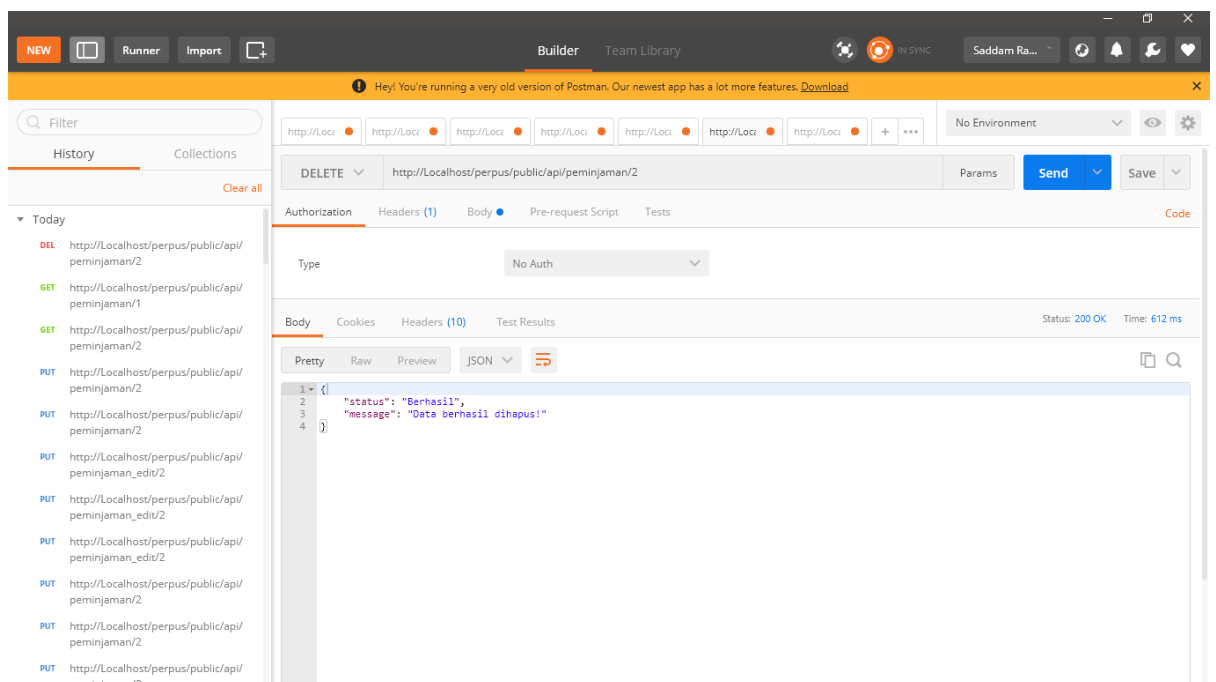
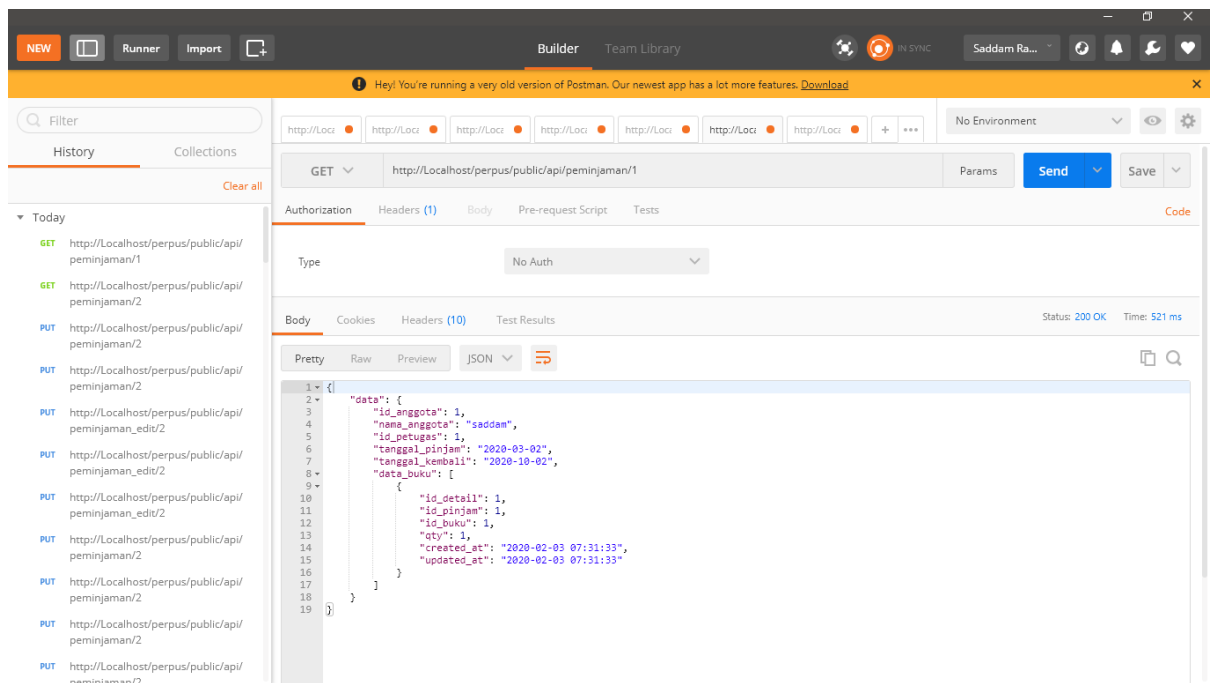
Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> id_anggota	1			
<input checked="" type="checkbox"/> id_petugas	1			
<input checked="" type="checkbox"/> tgl	2020-03-02			
<input checked="" type="checkbox"/> deadline	2020-10-02			
<input checked="" type="checkbox"/> denda	20.000			
New key	Value	Description		

Body Cookies Headers (10) Test Results Status: 200 OK Time: 673 ms

Pretty Raw Preview JSON

```
1 {
2   "status": "Berhasil",
3   "message": "Data berhasil ditambahkan!"
4 }
```

January 31



6. Testing Detail Peminjaman

NEW Runner Import Builder Team Library

Hey! You're running a very old version of Postman. Our newest app has a lot more features. [Download](#)

Filter History Collections

POST http://localhost/perpus/public/api/detail_buku

Params Send Save

Key	Value	Description
<input checked="" type="checkbox"/> id_pinjam	2	
<input checked="" type="checkbox"/> id_buku	2	
<input checked="" type="checkbox"/> qty	1	
New key	Value	Description

Body Cookies Headers (10) Test Results Status: 200 OK Time: 1053 ms

Pretty Raw Preview JSON

```
1 {
2   "status": "Berhasil",
3   "message": "Data berhasil ditambahkan!"
4 }
```

NEW Runner Import Builder Team Library

Hey! You're running a very old version of Postman. Our newest app has a lot more features. [Download](#)

Filter History Collections

DELETE http://localhost/perpus/public/api/detail_buku/2

Params Send Save

Key	Value	Description
<input checked="" type="checkbox"/> id_pinjam	2	
<input checked="" type="checkbox"/> id_buku	2	
<input checked="" type="checkbox"/> qty	1	
New key	Value	Description

Body Cookies Headers (10) Test Results Status: 200 OK Time: 658 ms

Pretty Raw Preview JSON

```
1 {
2   "status": "Berhasil",
3   "message": "Data berhasil dihapus!"
4 }
```


NEW

Runner

Import

BuilderTeam Library

Hey! You're running a very old version of Postman. Our newest app has a lot more features. [Download](#)

Filter

HistoryCollections

Clear all

▼ Today

PUThttp://localhost/perpus/public/api/detail_buku/1

PUThttp://localhost/perpus/public/api/detail_buku/1

PUThttp://localhost/perpus/public/api/detail_buku/1

GEThttp://localhost/perpus/public/api/peminjaman/1

PUThttp://localhost/perpus/public/api/peminjaman/1

PUThttp://localhost/perpus/public/api/peminjaman/1

DELhttp://localhost/perpus/public/api/detail_buku/2

POSThttp://localhost/perpus/public/api/detail_buku

POSThttp://localhost/perpus/public/api/detail_buku

POSThttp://localhost/perpus/public/api/detail_buku

POSThttp://localhost/perpus/public/api/detail_buku

PUT

http://localhost/perpus/public/api/detail_buku/1

Params

Send

Save

Authorization

Headers (1)

Body

Pre-request Script

Tests

Code

form-data

x-www-form-urlencoded

raw

binary

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> id_pinjam	2			
<input checked="" type="checkbox"/> id_buku	1			
<input checked="" type="checkbox"/> qty	1			
New key	Value	Description		

Body

Cookies

Headers (10)

Test Results

Status: 200 OKTime: 642 ms

Pretty

Raw

Preview

JSON

1

2

3

4

{

"status": "Berhasil",

"message": "Data berhasil diubah!!!"

}