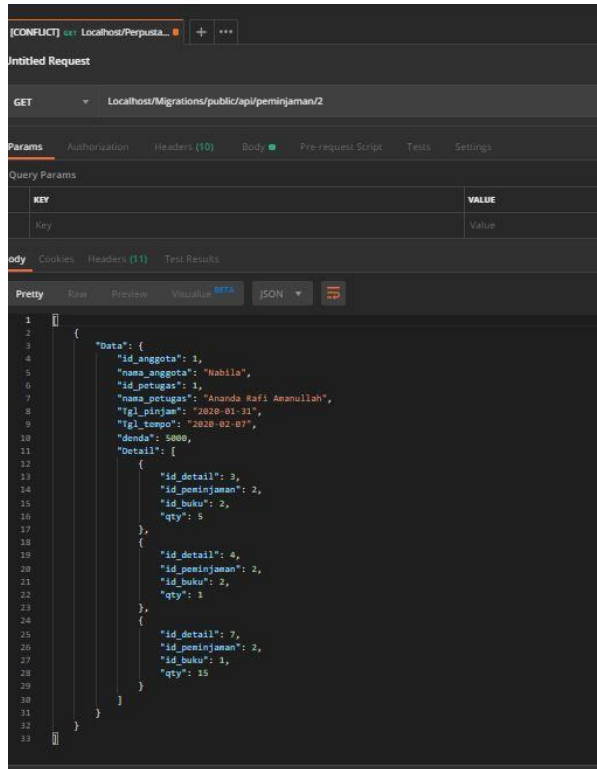


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Kelas : XI RPL 7 / 06 (Laravel/04)

CRUD PEMINJAMAN DAN DETAIL

TAMPIL DATA PEMINJAMAN



The screenshot shows a REST client interface with a GET request to 'localhost/migrations/public/api/peminjaman/2'. The response is a JSON object with the following structure:

```
1 {
2   "Data": {
3     "id_anggota": 1,
4     "nama_anggota": "Nabila",
5     "id_petugas": 1,
6     "nama_petugas": "Ananda Rafi Amanullah",
7     "tgl_pinjam": "2020-01-01",
8     "tgl_kembali": "2020-02-07",
9     "denda": 5000,
10    "Detail": [
11      {
12        "id_detail": 3,
13        "id_peminjaman": 2,
14        "id_buku": 2,
15        "qty": 5
16      },
17      {
18        "id_detail": 4,
19        "id_peminjaman": 2,
20        "id_buku": 2,
21        "qty": 1
22      },
23      {
24        "id_detail": 7,
25        "id_peminjaman": 2,
26        "id_buku": 1,
27        "qty": 15
28      }
29    ]
30  }
31 }
```

Peminjaman Controller (2)

```
public function delete($id)
{
    $peminjaman=Peminjaman::where('id_peminjaman',$id)->delete();
    if($peminjaman){
        return Response()->json(['status'=>1,'message'=>'Data Peminjaman berhasil dihapus']);
    }
    else{
        return Response()->json(['status'=>0,'message'=>'Data Peminjaman tidak berhasil dihapus']);
    }
}

public function tampil($id)
{
    $peminjaman = Peminjaman::join('anggota','anggota.id_anggota','peminjaman.id_anggota')->join('users','users.id_petugas','peminjaman.id_petugas')->where('id_peminjaman',$id)->first();
    $detail=Detail::where('id_peminjaman',$peminjaman->id_peminjaman)->get();
    $arr_detail=array();
    $arr_data=array();
    $data=array();
    foreach($detail as $detail){
        $arr_detail[]=array(
            'id_detail' => $detail->id_detail,
            'id_peminjaman' => $detail->id_peminjaman,
            'id_buku'=> $detail->id_buku,
            'qty'=> $detail->qty,
        );
    }
    $arr_data=array([
        'id_anggota'=> $peminjaman->id_anggota,
        'nama_anggota' => $peminjaman->nama_anggota,
        'id_petugas'=> $peminjaman->id_petugas,
        'nama_petugas'=> $peminjaman->nama_petugas,
        'tgl_pinjam'=> $peminjaman->tgl_pinjam,
        'tgl_tempo'=> $peminjaman->tgl_tempo,
        'denda'=> $peminjaman->denda,
        'Detail' => $arr_detail,
    ]);
    $data=array(
        'Data'=>$arr_data
    );
    return Response()->json([$data]);
}
```

Model Detail

```
api.php PeminjamanController.php Peminjaman.php Detail.php BukuController.php
app > Detail.php
1 <?php
2
3 namespace App;
4
5 use Illuminate\Database\Eloquent\Model;
6
7 class Detail extends Model
8 {
9     protected $table = "detail";
10    protected $primaryKey="id_detail";
11    protected $fillable =[
12        'id_detail',
13        'id_peminjaman',
14        'id_buku',
15        'qty',
16    ];
17    public $timestamps =false;
18 }
19
```

Model Peminjaman

```
api.php PeminjamanController.php Peminjaman.php X BukuController.php
app > Peminjaman.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class Peminjaman extends Model
8  {
9      protected $table = "peminjaman";
10     protected $primaryKey = "id_peminjaman";
11     protected $fillable = [
12         'id_peminjaman',
13         'tgl_pinjam',
14         'id_anggota',
15         'id_petugas',
16         'tgl_tempo',
17         'denda',
18     ];
19     public $timestamps = false;
20 }
21
22
```

Peminjaman Controller (3)

```
//DETAILCONTROLLER//
public function store(Request $req)
{
    $validator = Validator::make($req->all(),
    [
        'id_peminjaman' => 'required',
        'id_buku' => 'required',
        'qty' => 'required',
    ]);

    if($validator->fails()){
        return Response()->json($validator->errors());
    }

    $detail = Detail::create([
        'id_peminjaman' => $req->id_peminjaman,
        'id_buku' => $req->id_buku,
        'qty' => $req->qty,
    ]);
    if($detail){
        return Response()->json(['status'=>1,'message'=>'Data Detail Peminjaman berhasil ditambahkan!']);
    }
    else{
        return Response()->json(['status'=>0,'message'=>'Data Detail Peminjaman tidak berhasil ditambahkan!']);
    }
}

public function update($id, Request $req)
{
    $validator=Validator::make($req->all(),
    [
        'id_peminjaman' => 'required',
        'id_buku' => 'required',
        'qty' => 'required',
    ]);
    if($validator->fails()){
        return Response()->json($validator->errors());
    }
    $detail=Detail::where('id_detail',$id)->update([
        'id_peminjaman' => $req->id_peminjaman,
        'id_buku' => $req->id_buku,
        'qty' => $req->qty,
    ]);
    if($detail){
        return Response()->json(['status'=>1,'message'=>'Data Detail Peminjaman berhasil diubah!']);
    }
    else{
        return Response()->json(['status'=>0,'message'=>'Data Detail Peminjaman tidak berhasil diubah!']);
    }
}

public function delete($id)
{
    $detail=Detail::where('id_detail',$id)->delete();
    if($detail){
        return Response()->json(['status'=>1,'message'=>'Data Detail Peminjaman berhasil dihapus!']);
    }
    else{
        return Response()->json(['status'=>0,'message'=>'Data Detail Peminjaman tidak berhasil dihapus!']);
    }
}

public function tampil()
{
    $detail=Detail::all();
    if($detail){
        return Response()->json(['Data'=>$detail,'status'=>1]);
    }
    else{
        return Response()->json(['status'=>0]);
    }
}
}
```

Peminjaman Controller (1)

```

1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Support\Facades\Validator;
6  use Illuminate\Http\Request;
7  use App\Peminjaman;
8  use App\Detail;
9
10 class PeminjamanController extends Controller
11 {
12     public function store(Request $req)
13     {
14         $validator = Validator::make($req->all(),
15         [
16             'tgl_pinjam' => 'required',
17             'id_anggota' => 'required',
18             'id_putugas' => 'required',
19             'tgl_tempo' => 'required',
20             'denda' => 'required',
21         ]);
22
23         if($validator->fails()){
24             return Response()->json($validator->errors());
25         }
26
27         $peminjaman = Peminjaman::create([
28             'tgl_pinjam' => $req->tgl_pinjam,
29             'id_anggota' => $req->id_anggota,
30             'id_putugas' => $req->id_putugas,
31             'tgl_tempo' => $req->tgl_tempo,
32             'denda' => $req->denda,
33         ]);
34         if($peminjaman){
35             return Response()->json(['status'=>1,'message'=>'Data Peminjaman berhasil ditambahkan!']);
36         }
37         else{
38             return Response()->json(['status'=>0,'message'=>'Data Peminjaman tidak berhasil ditambahkan!']);
39         }
40     }
41
42     public function update($id, Request $req)
43     {
44         $validator=Validator::make($req->all(),
45         [
46             'tgl_pinjam' => 'required',
47             'id_anggota' => 'required',
48             'id_putugas' => 'required',
49             'tgl_tempo' => 'required',
50             'denda' => 'required',
51         ]);
52         if($validator->fails()){
53             return Response()->json($validator->errors());
54         }
55         $peminjaman=Peminjaman::where('id peminjaman',$id)->update([
56             'tgl_pinjam' => $req->tgl_pinjam,
57             'id_anggota' => $req->id_anggota,
58             'id_putugas' => $req->id_putugas,
59             'tgl_tempo' => $req->tgl_tempo,
60             'denda' => $req->denda,
61         ]);
62         if($peminjaman){
63             return Response()->json(['status'=>1,'message'=>'Data Peminjaman berhasil diubah!']);
64         }
65         else{
66             return Response()->json(['status'=>0,'message'=>'Data Peminjaman tidak berhasil diubah!']);
67         }
68     }
69 }

```

API PEMINJAMAN + DETAIL

```
Route::get('petugas', 'PetugasController@tampil');

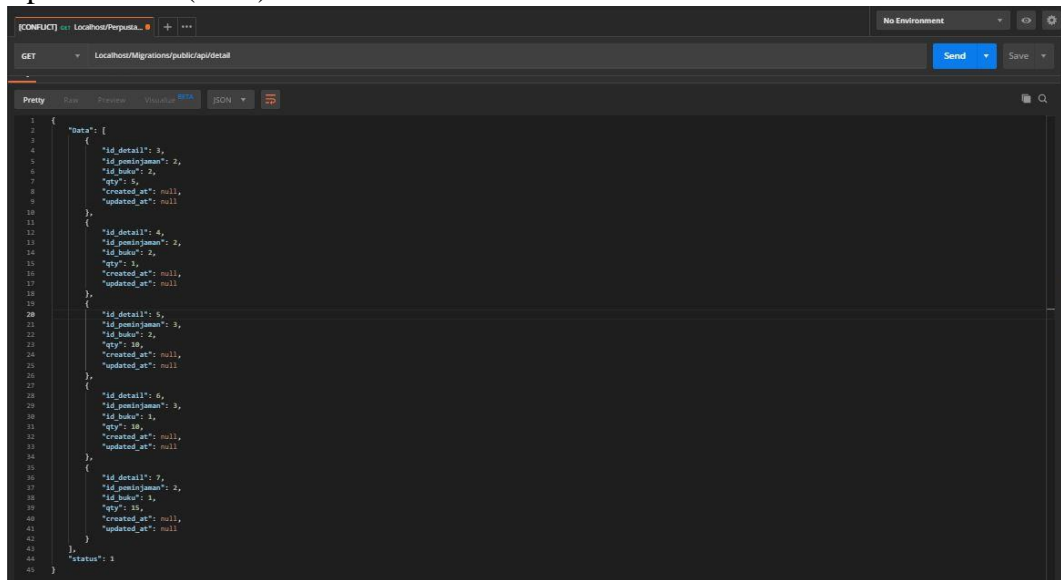
/*
|-----|
|          CRUD PEMINJAMAN          |
|-----|
*/

Route::post('peminjaman', 'PeminjamanController@store');
Route::put('peminjaman/{id}', 'PeminjamanController@update');
Route::delete('peminjaman/{id}', 'PeminjamanController@delete');
Route::get('peminjaman/{id}', 'PeminjamanController@tampil');

/*
|-----|
|          CRUD DETAIL              |
|-----|
*/

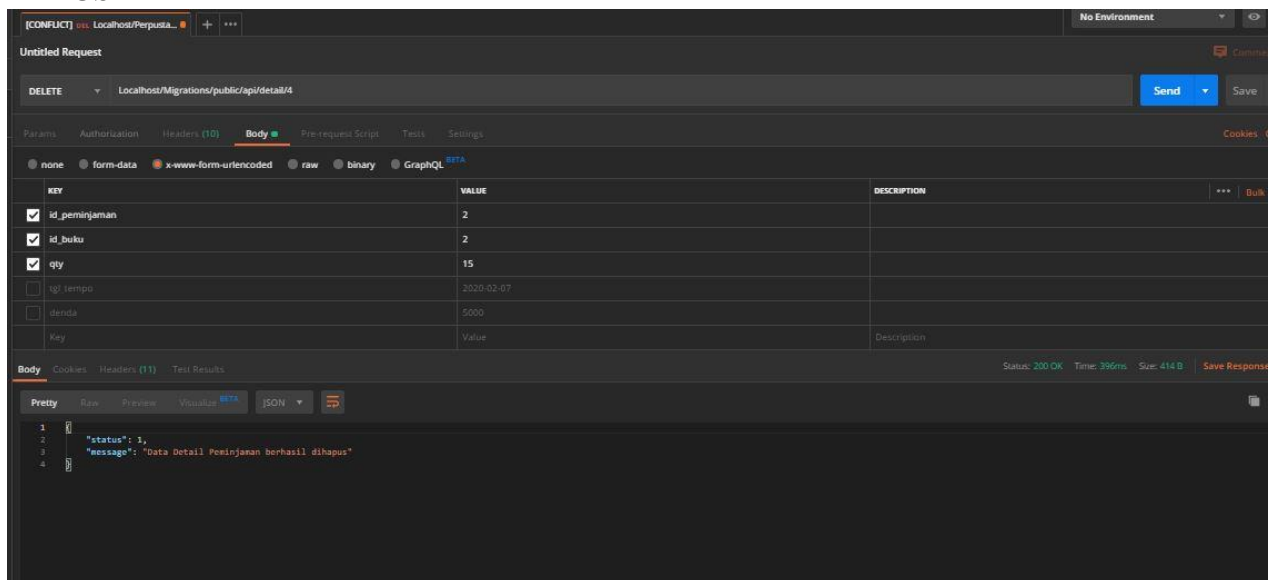
Route::post('detail', 'PeminjamanController@store1');
Route::put('detail/{id}', 'PeminjamanController@update1');
Route::delete('detail/{id}', 'PeminjamanController@delete1');
Route::get('detail', 'PeminjamanController@tampil1');
```

Tpilan Detail (GET)



```
1 {
2   "Data": [
3     {
4       "id_detail": 3,
5       "id_peminjaman": 2,
6       "id_buku": 2,
7       "qty": 5,
8       "created_at": null,
9       "updated_at": null
10    },
11    {
12       "id_detail": 4,
13       "id_peminjaman": 2,
14       "id_buku": 2,
15       "qty": 1,
16       "created_at": null,
17       "updated_at": null
18    },
19    {
20       "id_detail": 5,
21       "id_peminjaman": 3,
22       "id_buku": 2,
23       "qty": 10,
24       "created_at": null,
25       "updated_at": null
26    },
27    {
28       "id_detail": 6,
29       "id_peminjaman": 3,
30       "id_buku": 2,
31       "qty": 10,
32       "created_at": null,
33       "updated_at": null
34    },
35    {
36       "id_detail": 7,
37       "id_peminjaman": 2,
38       "id_buku": 2,
39       "qty": 10,
40       "created_at": null,
41       "updated_at": null
42    }
43  ],
44  "status": 1
45 }
```

HAPUS DETAIL



Untitled Request

DELETE Localhost/Migrations/public/api/detail/4

Params Authorization Headers (10) Body Pre-request Scripts Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id_peminjaman	2	
<input checked="" type="checkbox"/> id_buku	2	
<input checked="" type="checkbox"/> qty	15	
<input type="checkbox"/> tgl_rempo	2020-02-07	
<input type="checkbox"/> denda	5000	
Key	Value	Description

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 396ms Size: 414 B Save Response

```
1 {
2   "status": 1,
3   "message": "Data Detail Peminjaman berhasil dihapus"
4 }
```

UPDATE DETAIL

Localhost/Perpustakaan

Untitled Request

PUT Localhost/Migrations/public/api/detail/4

Send Save

Params Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL BETA

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id_peminjaman	2	
<input checked="" type="checkbox"/> id_buku	2	
<input checked="" type="checkbox"/> qty	15	
<input type="checkbox"/> tgl_tempo	2020-02-07	
<input type="checkbox"/> denda	5000	
Key	Value	Description

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 498ms Size: 413 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "status": 1,
3   "message": "Data Detail Peminjaman berhasil diubah"
4 }
```

Detail Tambah

Localhost/Perpustakaan

Untitled Request

POST Localhost/Migrations/public/api/detail

Send Save

Params Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL BETA

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> id_peminjaman	2	
<input checked="" type="checkbox"/> id_buku	2	
<input checked="" type="checkbox"/> qty	5	
<input type="checkbox"/> tgl_tempo	2020-02-07	
<input type="checkbox"/> denda	5000	
Key	Value	Description

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 420ms Size: 419 B Save Response

Pretty Raw Preview Visualize BETA JSON

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

Peminjaman Hapus

[CONFLICT] DELETE Localhost/Perpustakaan... + ... No Environment

Untitled Request

DELETE Localhost/Migrations/public/api/peminjaman/1 Send Save

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL BETA

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> tgl_pinjam	2020-01-31	
<input checked="" type="checkbox"/> id_anggota	1	
<input checked="" type="checkbox"/> id_petugas	1	
<input checked="" type="checkbox"/> tgl_tempo	2020-02-07	
<input checked="" type="checkbox"/> denda	5000	
Key	Value	Description

Body Cookies Headers (11) Test Results Status: 200 OK Time: 497ms Size: 407 B Save Response

Pretty Raw Preview Visualize BETA JSON

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

Peminjaman Ubah

[CONFLICT] PUT Localhost/Perpustakaan... + ... No Environment

Untitled Request

PUT Localhost/Migrations/public/api/peminjaman/1 Send Save

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL BETA

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> tgl_pinjam	2020-01-31	
<input checked="" type="checkbox"/> id_anggota	1	
<input checked="" type="checkbox"/> id_petugas	1	
<input checked="" type="checkbox"/> tgl_tempo	2020-02-07	
<input checked="" type="checkbox"/> denda	5000	
Key	Value	Description

Body Cookies Headers (11) Test Results Status: 200 OK Time: 503ms Size: 406 B Save Response

Pretty Raw Preview Visualize BETA JSON

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


Peminjaman Tambah

The screenshot displays a REST client interface with the following details:

- Request:** A POST request to `localhost/migrations/public/api/peminjaman`.
- Body:** The request body is encoded as `x-www-form-urlencoded` and contains the following data:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> <code>tgl_pinjam</code>	<code>2020-01-31</code>	
<input checked="" type="checkbox"/> <code>id_anggota</code>	<code>1</code>	
<input checked="" type="checkbox"/> <code>id_petugas</code>	<code>1</code>	
<input checked="" type="checkbox"/> <code>tgl_tempo</code>	<code>2020-02-07</code>	
<input checked="" type="checkbox"/> <code>denda</code>	<code>0</code>	
- Response:** The response is a 200 OK status with a response time of 478ms and a size of 412 B. The response body is displayed in JSON format:

```
{  "status": 1,  "message": "Data Peminjaman berhasil ditambahkan!"}
```