

- CRUD PEMINJAMAN
 - CONTROLLER

```
public function store(Request $request){
    $validator=Validator::make($request->all(),
    [
        'id_anggota'=>'required',
        'id_petugas'=>'required',
        'tgl_pinjam'=>'required',
        'deadline'=>'required',
        'denda'=>'required'
    ]
    );

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

    $simpan=Pinjam::create([
        'id_anggota'=>$request->id_anggota,
        'id_petugas'=>$request->id_petugas,
        'tgl_pinjam'=>$request->tgl_pinjam,
        'deadline'=>$request->deadline,
        'denda'=>$request->denda
    ]);
    $status=1;
    $message="Peminjaman Berhasil Ditambahkan";
    if($simpan){
        return Response()->json(compact('status','message'));
    }else {
        return Response()->json(['status'=>0]);
    }
}

public function update($id,Request $request){
    $validator=Validator::make($request->all(),
    [
        'id_anggota'=>'required',
        'id_petugas'=>'required',
        'tgl_pinjam'=>'required',
        'deadline'=>'required',
        'denda'=>'required'
    ]
    );
};
```

```

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

    $ubah=Pinjam::where('id',$id)->update([
        'id_anggota'=>$request->id_anggota,
        'id_petugas'=>$request->id_petugas,
        'tgl_pinjam'=>$request->tgl_pinjam,
        'deadline'=>$request->deadline,
        'denda'=>$request->denda
    ]);
    $status=1;
    $message="Peminjaman Berhasil Diubah";
    if($ubah){
        return Response()->json(compact('status','message'));
    }else {
        return Response()->json(['status'=>0]);
    }
}

public function tampil_pinjam(){
    $data=DB::table('peminjaman')
    ->join('anggota','anggota.id','=','peminjaman.id_anggota')
    ->join('petugas','petugas.id','=','peminjaman.id_petugas')
    -
    >select('peminjaman.id','anggota.nama_anggota','anggota.alamat','anggota.telp','petugas.nama_petugas','peminjaman.tgl_pinjam','peminjaman.deadline','peminjaman.denda')
    ->get();
    $count=$data->count();
    $status=1;
    $message="Peminjaman Berhasil ditampilkan";
    return response()-
    >json(compact('data','status','message','count'));
}

public function destroy($id){
    $hapus=Pinjam::where('id',$id)->delete();
    $status=1;
    $message="Peminjaman Berhasil Dihapus";
    if($hapus){
        return Response()->json(compact('status','message'));
    }else {
        return Response()->json(['status'=>0]);
    }
}

```

```
}
```

- MODEL

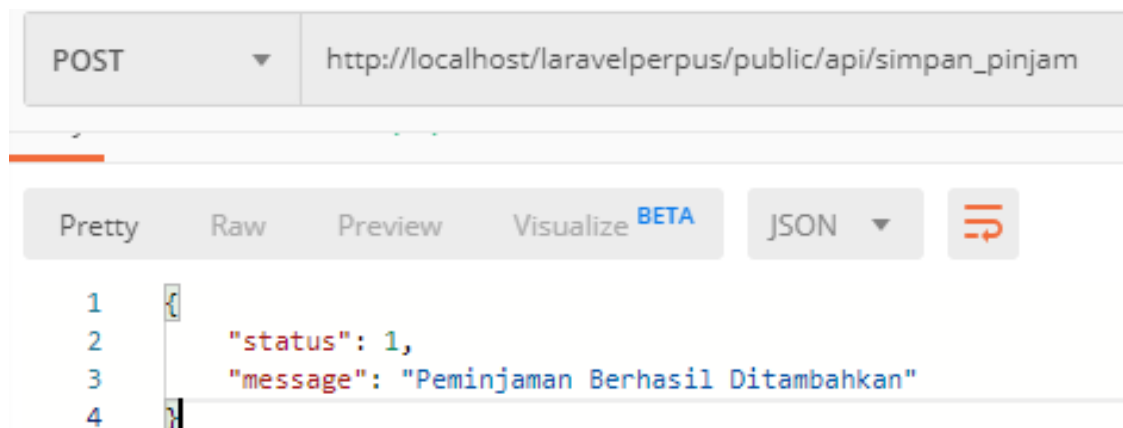
```
class Pinjam extends Model
{
    protected $table="peminjaman";
    protected $primaryKey="id";

    protected $fillable = [
        'id_anggota',
        'id_petugas',
        'tgl_pinjam',
        'deadline'
    ];

    public function anggota() {
        return $this->belongsTo('App/Anggota', 'id_anggota');
    }
    public function petugas() {
        return $this->belongsTo('App/Petugas', 'id_petugas');
    }

    public function detail(){
        return $this->hasOne('App\Detail_pinjam','id');
    }
}
```

- HASIL



```
PUT http://localhost/laravelperpus/public/api/ubah_pinjam/2

{"status": 1, "message": "Peminjaman Berhasil Diubah"}
```

```
GET http://localhost/laravelperpus/public/api/tampil_pinjam

{"data": [{"id": 1, "nama_anggota": "dylan", "alamat": "sawojajar", "telp": "08976736736", "nama_petugas": "Angelia", "tgl_pinjam": "2020-01-25", "deadline": "2020-02-01", "denda": ""}, {"id": 2, "nama_anggota": "ayan", "alamat": "blitar", "telp": "08456767453343", "nama_petugas": "dinah", "tgl_pinjam": "2020-02-02", "deadline": "2020-02-08", "denda": "-"}], "status": 1, "message": "Peminjaman Berhasil ditampilkan", "count": 2}
```

```
DELETE http://localhost/laravelperpus/public/api/hapus_pinjam/3

{"status": 1, "message": "Peminjaman Berhasil Dihapus"}
```

- CRUD DETAIL PEMINJAMAN

- CONTROLLER

```
public function simpan(Request $request){
    $validator=Validator::make($request->all(),
        [
            'id_pinjam'=>'required',
            'id_buku'=>'required',
            'qty'=>'required'
        ]
    );

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

    $simpan=Detail_pinjam::create([
        'id_pinjam'=>$request->id_pinjam,
        'id_buku'=>$request->id_buku,
        'qty'=>$request->qty
    ]);
    $status=1;
    $message="Detail Peminjaman Berhasil Ditambahkan";
    if($simpan){
        return Response()->json(compact('status','message'));
    }else {
        return Response()->json(['status'=>0]);
    }
}

public function ubah($id,Request $request){
    $validator=Validator::make($request->all(),
        [
            'id_pinjam'=>'required',
            'id_buku'=>'required',
            'qty'=>'required'
        ]
    );

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

    $ubah=Detail_pinjam::where('id',$id)->update([
```

```

        'id_pinjam'=>$request->id_pinjam,
        'id_buku'=>$request->id_buku,
        'qty'=>$request->qty
    ]);
    $status=1;
    $message="Detail Peminjaman Berhasil Diubah";
    if($ubah){
        return Response()->json(compact('status','message'));
    }else {
        return Response()->json(['status'=>0]);
    }
}

public function hapus($id){
    $hapus=Detail_pinjam::where('id',$id)->delete();
    $status=1;
    $message="Detail Peminjaman Berhasil Dihapus";
    if($hapus){
        return Response()->json(compact('status','message'));
    }else {
        return Response()->json(['status'=>0]);
    }
}
}

```

- MODEL

```

class Detail_pinjam extends Model
{
    protected $table="detail_pinjam";
    protected $primaryKey="id";
    protected $fillable = [
        'id_pinjam',
        'id_buku',
        'qty'
    ];

    public function buku() {
        return $this->belongsTo('App/Buku', 'id_buku');
    }
    public function peminjaman() {
        return $this->belongsTo('App/Pinjam', 'id_pinjam');
    }
}

```

- HASIL

```

POST http://localhost/laravelperpus/public/api/simpan_detail

Body Cookies Headers (11) Test Results

Pretty Raw Preview Visualize BETA JSON ↵

1 {
2   "status": 1,
3   "message": "Detail Peminjaman Berhasil Ditambahkan"
4 }

```

```

PUT http://localhost/laravelperpus/public/api/ubah_detail/6

Pretty Raw Preview Visualize BETA JSON ↵

1 {
2   "status": 1,
3   "message": "Detail Peminjaman Berhasil Diubah"
4 }

```

```

DELETE http://localhost/laravelperpus/public/api/hapus_detail/5

Pretty Raw Preview Visualize BETA JSON ↵

1 {
2   "status": 1,
3   "message": "Detail Peminjaman Berhasil Dihapus"
4 }

```

- JOIN PEMINJAMAN DAN DETAIL_PEMINJAMAN (TAMPIL DETAIL)

- CONTROLLER

```

public function index(){
    if(Auth::user()->level=="petugas"){
        $peminjaman=DB::table('peminjaman')
        ->join('anggota','anggota.id','=','peminjaman.id_anggota')
        ->join('petugas','petugas.id','=','peminjaman.id_petugas')
        -
    >select('peminjaman.id','peminjaman.id_anggota','anggota.nama_anggota',
    'peminjaman.tgl_pinjam','peminjaman.deadline','peminjaman.denda')
    ->get();
}

```

```
$data=array();
foreach ($peminjaman as $dt_pj){
    $ok=Detail_pinjam::where('id_pinjam',$dt_pj->id)->get();
    $arr_detail=array();
    foreach ($ok as $ok) {
        $arr_detail[]=array(
            'id_pinjam' =>$ok->id_pinjam,
            'id_buku' => $ok->id_buku,
            'qty' => $ok->qty
        );
    }

    $data[]=array(
        'id' => $dt_pj->id,
        'id_anggota' => $dt_pj->id_anggota,
        'nama_anggota' => $dt_pj->nama_anggota,
        'tgl_pinjam' => $dt_pj->tgl_pinjam,
        'deadline' => $dt_pj->deadline,
        'denda' => $dt_pj->denda,
        'detail_pinjam' => $arr_detail
    );
}
return response()->json(compact("data"));
} else{
    return response()->json(['status'=>'anda bukan admin']);
}
}
```


- HASIL

```
GET http://localhost/laravelperpus/public/api/peminjaman

Pretty Raw Preview Visualize BETA JSON

2  "data": [
3    {
4      "id": 1,
5      "id_anggota": 3,
6      "nama_anggota": "dylan",
7      "tgl_pinjam": "2020-01-25",
8      "deadline": "2020-02-01",
9      "denda": "",
10     "detail_pinjam": [
11       {
12         "id_pinjam": 1,
13         "id_buku": 5,
14         "qty": 1
15       }
16     ]
17   },
18   {
19     "id": 2,
20     "id_anggota": 5,
21     "nama_anggota": "ayan",
22     "tgl_pinjam": "2020-02-02",
23     "deadline": "2020-02-08",
24     "denda": "-",
25     "detail_pinjam": [
26       {
27         "id_pinjam": 2,
28         "id buku": 4,
```