

## CRUD API MENGGUNAKAN POSTMAN

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XI RPL 6 / 16

### 1. Membuat controller

```
c:\xampp\htdocs\perpustakaan1>php artisan make:controller AnggotaController
```

```
c:\xampp\htdocs\perpustakaan1>php artisan make:controller BukuController
```

### 2. Membuat model

```
c:\xampp\htdocs\perpustakaan1>php artisan make:model Buku_model
```

```
c:\xampp\htdocs\perpustakaan1>php artisan make:model Anggota_model
```

### 3. Isi AnggotaController

# AnggotaController.php

```

3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Anggota_model;
7  use Illuminate\Support\Facades\Validator;
8  use Auth;
9  class AnggotaController extends Controller
10 {
11
12     // CREATE
13     public function store(Request $req)
14     {
15         if(Auth::user()->level=="admin"){
16             $validator = Validator::make($req->all(),
17             [
18                 'nama_anggota' => 'required',
19                 'alamat' => 'required',
20                 'telp' => 'required'
21             ]
22         );
23         if($validator->fails()){
24             return Response()->json($validator->errors());
25         }
26         $simpan = Anggota_model::create([
27             'nama_anggota' => $req->nama_anggota,
28             'alamat' => $req->alamat,
29             'telp' => $req->telp
30         ]);
31         return Response()->json(['status'=> 'Data anggota berhasil dimasukkan']);
32     } else {
33         return Response()->json(['status'=> 'Data anggota gagal dimasukkan, anda bukan admin']);
34     }
35 }
36 }

```

```

83 // DELETE
84 public function delete($id)
85 {
86     $hapus=Anggota_model::where('id',$id)->delete();
87     if($hapus){
88         return Response()->json(['status'=>1,
89                                 'message'=>'Data anggota berhasil dihapus']);
90     } else {
91         return Response()->json(['status'=>0,
92                                 'message'=>'Data anggota gagal dihapus']);
93     }
94 }
95 }

```

```

38: // READ
39: public function tampil(){
40:     $datas = Anggota_model::get();
41:     $count = $datas->count();
42:     $anggota = array();
43:     $status = 1;
44:     foreach ($datas as $dt_sw){
45:         $anggota[] = array(
46:             'id' => $dt_sw->id,
47:             'nama_anggota' => $dt_sw->nama_anggota,
48:             'alamat' => $dt_sw->alamat,
49:             'telp' => $dt_sw->telp,
50:             'created_at' => $dt_sw->created_at,
51:             'updated_at' => $dt_sw->updated_at,
52:         );
53:     }
54:     return Response()->json(compact('count','anggota','status'));
55: }

57: // UPDATE
58: public function update($id,Request $req)
59: {
60:     $validator=Validator::make($req->all(),
61:     [
62:         'nama_anggota' => 'required',
63:         'alamat' => 'required',
64:         'telp' => 'required',
65:     ]);
66:     if($validator->fails()){
67:         return Response()->json($validator->errors());
68:     }
69:     < $ubah=Anggota_model::where('id',$id)->update([
70:         'nama_anggota' => $req->nama_anggota,
71:         'alamat' => $req->alamat,
72:         'telp' => $req->telp,
73:     ]);
74:     if($ubah){
75:         return Response()->json(['status'=>1,
76:                                 'message'=>'Data anggota berhasil diubah']);
77:     } else {
78:         return Response()->json(['status'=>0,
79:                                 'message'=>'Data anggota gagal diubah']);
80:     }
81: }

```

#### 4. Isi BukuController

```
12 // CREATE
13 public function store(Request $req)
14 {
15     if(Auth::user()->level=="admin"){
16         $validator = Validator::make($req->all(),
17         [
18             'judul' => 'required',
19             'penerbit' => 'required',
20             'pengarang' => 'required',
21             'foto' => 'required'
22         ]);
23         if($validator->fails()){
24             return Response()->json($validator->errors());
25         }
26         $simpan = Buku_model::create([
27             'judul' => $req->judul,
28             'penerbit' => $req->penerbit,
29             'pengarang' => $req->pengarang,
30             'foto' => $req->foto,
31
32         ]);
33         return Response()->json(['status'=> 'Data buku berhasil dimasukkan']);
34     } else {
35         return Response()->json(['status'=> 'Data buku gagal dimasukkan, anda bukan admin']);
36     }
37 }
```

```
39 //READ
40 public function tampil(){
41     if(Auth::user()->level=="admin"){
42         $datas = Buku_model::get();
43         $count = $datas->count();
44         $buku = array();
45         $status = 1;
46         foreach ($datas as $dt_sw){
47             $buku[] = array(
48                 'id' => $dt_sw->id,
49                 'judul' => $dt_sw->judul,
50                 'penerbit' => $dt_sw->penerbit,
51                 'pengarang' => $dt_sw->pengarang,
52                 'foto' => $dt_sw->foto,
53                 'created_at' => $dt_sw->created_at,
54                 'updated_at' => $dt_sw->updated_at,
55             );
56         }
57         return Response()->json(compact('count','buku'));
58     } else {
59         return Response()->json(['status'=> 'Gabisa, kamu bukan admin :(']);
60     }
61 }
```

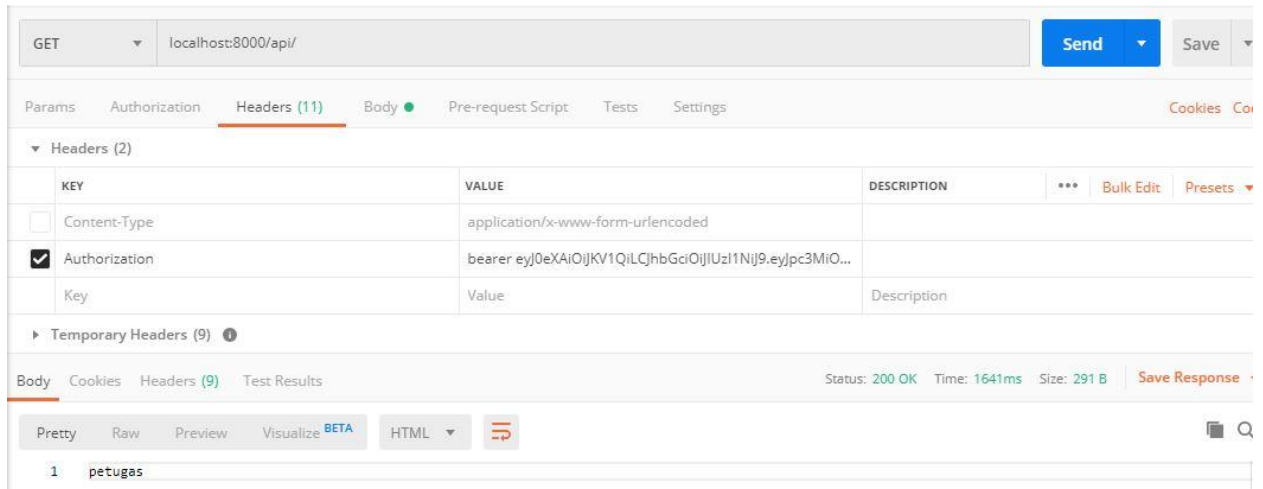
```

63 // UPDATE
64 public function update($id, Request $req)
65 {
66     if(Auth::user()->level=="admin"){
67         $validator=Validator::make($req->all(),
68         [
69             'judul' => 'required',
70             'penerbit' => 'required',
71             'pengarang' => 'required',
72             'foto' => 'required',
73         ]);
74         if($validator->fails()){
75             return Response()->json($validator->errors());
76         }
77         $ubah=Buku_model::where('id',$id)->update([
78             'judul' => $req->judul,
79             'penerbit' => $req->penerbit,
80             'pengarang' => $req->pengarang,
81             'foto' => $req->foto,
82         ]);
83         return Response()->json(['status'=>1,
84                                 'message'=>'Data buku berhasil diubah']);
85     } else {
86         return Response()->json(['status'=>0,
87                                 'message'=>'Data buku gagal diubah, anda bukan admin']);
88     }
89 }
90
91 //DELETE
92 public function delete($id)
93 {
94     if(Auth::user()->level=="admin"){
95         $hapus=Buku_model::where('id',$id)->delete();
96         return Response()->json([
97             'message'=>'Data buku berhasil dihapus']);
98     } else {
99         return Response()->json([
100             'message'=>'Data buku gagal dihapus, anda bukan admin']);
101     }
102 }
103 }

```

5. Uji Postman petugas  
Login sebagai petugas

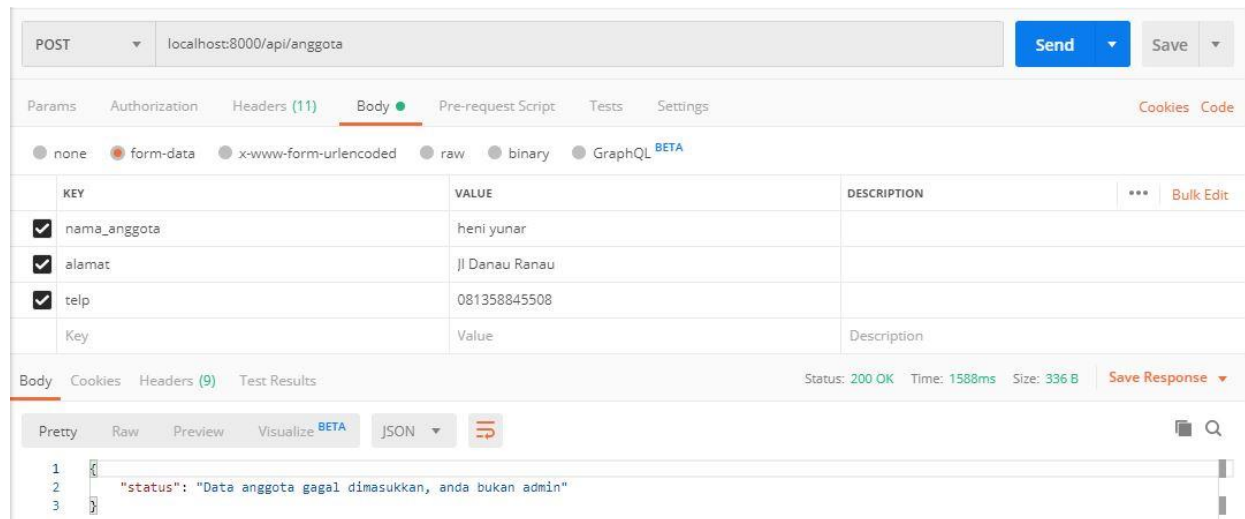




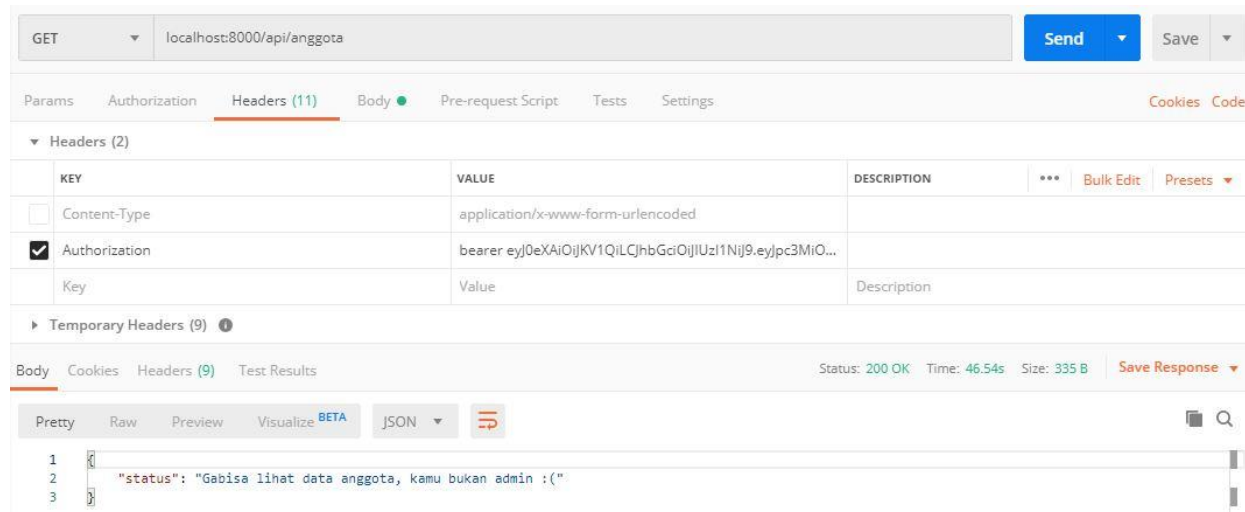
Petugas tidak bisa melakukan crud, maka hasilnya akan gagal atau 0

## 1. CRUD Tabel Anggota

### a. CREATE



### b. READ



### c. UPDATE

PUT localhost:8000/api/anggota/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"/> nama_anggota	Kikik	
<input checked="" type="checkbox"/> alamat	Jl Danau Raya	
<input checked="" type="checkbox"/> telp	0876543214534	
Key	Value	Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 14.85s Size: 347 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "status": 0,
3   "message": "Data anggota gagal diubah, kamu bukan admin :("
4 }
```

### d. DELETE

DELETE localhost:8000/api/anggota/1

Send Save

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

▼ Headers (2)

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> Content-Type	application/x-www-form-urlencoded	
<input checked="" type="checkbox"/> Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOi...	
Key	Value	Description

► Temporary Headers (8)

Body Cookies Headers (9) Test Results Status: 200 OK Time: 12.79s Size: 337 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "message": "Data anggota gagal dihapus, kamu bukan admin :("
3 }
```

## 2. CRUD Tabel Buku

### a. CREATE



POST localhost:8000/api/buku 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	...	Bulk Edit
<input checked="" type="checkbox"/>	judul	Sitisitusi			
<input checked="" type="checkbox"/>	penerbit	Gatau			
<input checked="" type="checkbox"/>	pengarang	Gatau juga			
<input checked="" type="checkbox"/>	foto	-			
	Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1842ms Size: 333 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {  
2   "status": "Data buku gagal dimasukkan, anda bukan admin"  
3 }
```

b. READ

GET localhost:8000/api/buku Send Save

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

▼ Headers (2)

	KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/x-www-form-urlencoded				
<input checked="" type="checkbox"/>	Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOi...				
	Key	Value	Description			

► Temporary Headers (8) ⓘ

Body Cookies Headers (9) Test Results Status: 200 OK Time: 2.18s Size: 316 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {  
2   "status": "Gabisa, kamu bukan admin :("  
3 }
```

c. UPDATE

PUT localhost:8000/api/buku/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	...	Bulk Edit
<input checked="" type="checkbox"/>	judul	Aku Cantik			
<input checked="" type="checkbox"/>	penerbit	Budi FaSoLa			
<input checked="" type="checkbox"/>	pengarang	Siapa ya			
<input checked="" type="checkbox"/>	foto	-			
	Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1729ms Size: 341 B Save Response

Pretty Raw Preview Visualize BETA JSON ≡

```
1 {
2   "status": 0,
3   "message": "Data buku gagal diubah, anda bukan admin"
4 }
```

#### d. DELETE

DELETE localhost:8000/api/buku/1 Send Save

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

▼ Headers (2)

	KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/x-www-form-urlencoded				
<input checked="" type="checkbox"/>	Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOi...				
	Key	Value	Description			

► Temporary Headers (8) ⓘ

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1849ms Size: 331 B Save Response

Pretty Raw Preview Visualize BETA JSON ≡

```
1 {
2   "message": "Data buku gagal dihapus, anda bukan admin"
3 }
```

#### 6. Uji Postman admin Login sebagai admin

GET localhost:8000/api/ Send Save

Params Authorization Headers (11) **Body** Pre-request Script Tests Settings Cookies Code

▼ Headers (2)

	KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input type="checkbox"/>	Content-Type	application/x-www-form-urlencoded				
<input checked="" type="checkbox"/>	Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOi...				
	Key	Value	Description			

► Temporary Headers (9) ⓘ

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1588ms Size: 289 B Save Response

Pretty Raw Preview Visualize BETA HTML ≡

```
1 admin
```

Petugas tidak bisa melakukan crud

## 1. CRUD Tabel Anggota

### a. CREATE

POST localhost:8000/api/anggota

Send Save

Params Authorization Headers (11) 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"/> nama_anggota	Larasati	
<input checked="" type="checkbox"/> alamat	Jl Danau Bubun	
<input checked="" type="checkbox"/> telp	08765432245	
Key	Value	Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 2.97s Size: 321 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "status": "Data anggota berhasil dimasukkan"
3 }
```

### b. READ

GET localhost:8000/api/anggota

Send Save

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "count": 3,
3   "anggota": [
4     {
5       "id": 1,
6       "nama_anggota": "Kikik",
7       "alamat": "Jl Danau Raya",
8       "telp": "0876543214534",
9       "created_at": "2020-01-15T13:54:41.000000Z",
10      "updated_at": "2020-01-28T07:18:10.000000Z"
11    },
12    {
13      "id": 2,
14      "nama_anggota": "larasati",
15      "alamat": "jalan in aja",
16      "telp": "08123777777",
17      "created_at": "2020-01-15T13:54:41.000000Z",
18      "updated_at": null
19    },
20    {
21      "id": 3,
22      "nama_anggota": "heni larasati",
23      "alamat": "jalan bibir busuk",
24      "telp": "0876542890",
25      "created_at": "2020-01-15T13:54:41.000000Z",
26      "updated_at": null
27    }
28  ]
29 }
```

### c. UPDATE

PUT localhost:8000/api/anggota/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	...	Bulk Edit
<input checked="" type="checkbox"/>	nama anggota	Ninis			
<input checked="" type="checkbox"/>	alamat	Jl Danau Kerinci			
<input checked="" type="checkbox"/>	telp	087654267154			
	Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 2.04s Size: 329 B Save Response

Pretty Raw Preview Visualize BETA JSON ⋮

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

#### d. DELETE

DELETE localhost:8000/api/anggota/1 Send Save

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

▼ Headers (2)

	KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/x-www-form-urlencoded				
<input checked="" type="checkbox"/>	Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOi...				
	Key	Value	Description			

► Temporary Headers (8) ⓘ

Body Cookies Headers (9) Test Results Status: 200 OK Time: 2.09s Size: 319 B Save Response

Pretty Raw Preview Visualize BETA JSON ⋮

```
1 {
2   "message": "Data anggota berhasil dihapus"
3 }
```

## 2. CRUD Tabel Buku

### a. CREATE

POST localhost:8000/api/buku 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"/> judul	Larasati	
<input checked="" type="checkbox"/> penerbit	Bubun	
<input checked="" type="checkbox"/> pengarang	Gatau	
<input checked="" type="checkbox"/> foto	-	
Key	Value	Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 2.16s Size: 318 B Save Response

Pretty Raw Preview Visualize BETA JSON ≡

```

1  {
2    "status": "Data buku berhasil dimasukkan"
3  }

```

## b. READ

GET localhost:8000/api/buku Send Save

Pretty Raw Preview Visualize BETA JSON ≡

```

1  {
2    "count": 5,
3    "buku": [
4      {
5        "id": 2,
6        "judul": "Ada Kutu di Rambutmu",
7        "penerbit": "Saya Sendiri",
8        "pengarang": "Bukan Aku",
9        "foto": "-",
10       "created_at": "2020-01-15T14:41:54.000000Z",
11       "updated_at": "2020-01-15T14:41:54.000000Z"
12     },
13     {
14       "id": 3,
15       "judul": "Kamu Cantik di Hidungku",
16       "penerbit": "Asal asalan production",
17       "pengarang": "Saya",
18       "foto": "-",
19       "created_at": "2020-01-15T14:41:54.000000Z",
20       "updated_at": "2020-01-15T14:41:54.000000Z"
21     },
22     {
23       "id": 4,
24       "judul": "Buntut Peri",
25       "penerbit": "Kondansha",

```

## c. UPDATE

PUT localhost:8000/api/buku/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	...	Bulk Edit
<input checked="" type="checkbox"/>	judul	Pernikahan Dini			
<input checked="" type="checkbox"/>	penerbit	Bukan Aku			
<input checked="" type="checkbox"/>	pengarang	Gatau			
<input checked="" type="checkbox"/>	foto	-			
	Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1924ms Size: 326 B Save Response

Pretty Raw Preview Visualize BETA JSON

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

#### d. DELETE

DELETE localhost:8000/api/buku/1 Send Save

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

▼ Headers (2)

	KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/x-www-form-urlencoded				
<input checked="" type="checkbox"/>	Authorization	bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOi...				
	Key	Value	Description			

► Temporary Headers (8) ⓘ

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1864ms Size: 316 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "message": "Data buku berhasil dihapus"
3 }
```