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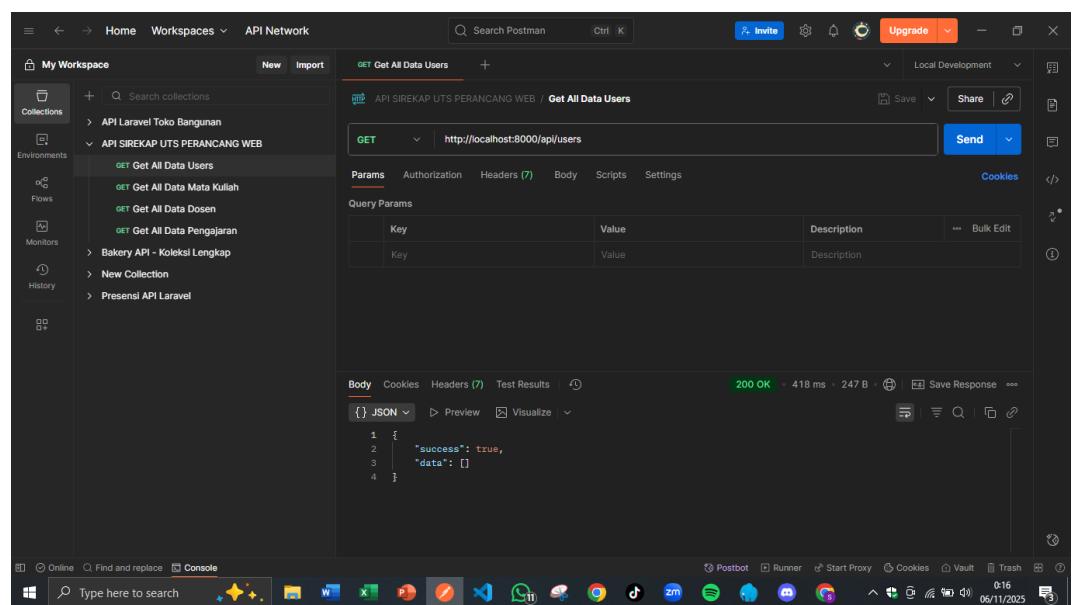
NIM : 202303110008.

UTS : Membuat Endpoint API Laravel

Link github: <https://github.com/StevanusAndika/sirekap-app>

## 1. Data Users dan isi data Users

### • Get Data Users



The screenshot shows the Postman application interface. On the left, there's a sidebar with 'My Workspace' containing collections like 'API Laravel Toko Bangunan' and 'API SIREKAP UTS PERANCANG WEB'. Under 'API SIREKAP UTS PERANCANG WEB', there are several GET requests listed: 'Get All Data Users', 'Get All Data Mata Kuliah', 'Get All Data Dosen', and 'Get All Data Pengajaran'. The 'Get All Data Users' request is selected and expanded. The main panel shows the request details: method 'GET', URL 'http://localhost:8000/api/users', and a table for 'Query Params' which is currently empty. Below the request details, the response section shows a 200 OK status with a response time of 418 ms and a body size of 247 B. The response body is displayed as JSON: 

```
{ "success": true, "data": [] }
```

. At the bottom, there's a taskbar with various icons and a system tray showing the date and time as 06/11/2025 at 01:16.

- Isi Data Role Admin :

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections: 'API Laravel Toko Bangunan', 'API SIREKAP UTS PERANCANG WEB' (which is expanded to show 'Get All Data Users', 'Get All Data Mata Kuliah', 'Get All Data Dosen', 'Get All Data Pengajaran', and 'Insert Data'), 'Bakery API - Koleksi Lengkap', 'New Collection', and 'Presensi API Laravel'. The main workspace shows a 'POST New Request' for 'http://localhost:8000/api/users'. The 'Body' tab is selected, showing the following JSON payload:

```

1 {
2   "username": "admin01",
3   "email": "admin01@sirekап.ac.id",
4   "password": "password123",
5   "role": "admin"
6 }

```

Below the body, the 'Test Results' section displays a successful response: '201 Created' with a response time of '752 ms' and a size of '478 B'. The response body is:

```

1 {
2   "success": true,
3   "message": "User berhasil disimpan",
4   "data": [
5     {
6       "username": "admin01",
7       "email": "admin01@sirekап.ac.id",
8       "role": "admin",
9       "is_active": 1,
10      "is_lock": 0,
11      "updated_at": "2025-11-05T17:22:50.000000Z",
12      "created_at": "2025-11-05T17:22:50.000000Z"
13    }
14 ]

```

- Isi Data Dengan Role Operator

The screenshot shows the Postman application interface, identical to the previous one but with a different user role. The 'My Workspace' sidebar is the same. The main workspace shows a 'POST New Request' for 'http://localhost:8000/api/users'. The 'Body' tab is selected, showing the following JSON payload:

```

1 {
2   "username": "operator01",
3   "email": "operator01@sirekап.ac.id",
4   "password": "password123",
5   "role": "operator"
6 }

```

Below the body, the 'Test Results' section displays a successful response: '201 Created' with a response time of '665 ms' and a size of '487 B'. The response body is:

```

1 {
2   "success": true,
3   "message": "User berhasil disimpan",
4   "data": [
5     {
6       "username": "operator01",
7       "email": "operator01@sirekап.ac.id",
8       "role": "operator",
9       "is_active": 1,
10      "is_lock": 0,
11      "updated_at": "2025-11-05T17:24:23.000000Z",
12      "created_at": "2025-11-05T17:24:23.000000Z"
13    }
14 ]

```

- Isi Data Dengan Role Dosen

The screenshot shows the Postman interface. In the left sidebar, under 'My Workspace', there is a 'Collections' section with several items, including 'API SIREKAP UTS PERANCANG WEB' which has a 'Get All Data' and an 'Insert Data' folder. The 'Insert Data' folder contains a 'POST New Request' item. The main workspace shows a POST request to 'http://localhost:8000/api/users'. The 'Body' tab is selected, showing raw JSON data:

```
{
  "username": "dosen01",
  "email": "dosen01@sirekap.ac.id",
  "password": "password123",
  "role": "dosen"
}
```

The response shows a 201 Created status with a timestamp of 2025-11-05T17:28:58.000000Z.

- Data Users Yang Berhasil Diinput

The screenshot shows the Postman interface. In the left sidebar, under 'My Workspace', there is a 'Collections' section with several items, including 'API SIREKAP UTS PERANCANG WEB' which has a 'Get All Data' and a 'Get All Data Users' item. The 'Get All Data Users' item is selected. The main workspace shows a GET request to 'http://localhost:8000/api/users'. The 'Body' tab is selected, showing raw JSON data representing a list of users:

```
[
  {
    "id": 1,
    "username": "dosen01",
    "email": "dosen01@sirekap.ac.id",
    "password": "password123",
    "role": "dosen",
    "is_active": 1,
    "is_lock": 0,
    "created_at": "2025-11-05T17:28:58.000000Z",
    "updated_at": "2025-11-05T17:28:58.000000Z"
  }
]
```

The response shows a 200 OK status with a timestamp of 2025-11-05T17:24:23.000000Z.

- Ambil Salah Satu Data Users Dengan Id 1

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** PUT
- URL:** <http://localhost:8000/api/users/1>
- Body:** None
- Response Status:** 200 OK
- Response Body (JSON):**

```

1 {
2     "success": true,
3     "data": [
4         {
5             "id_user": 1,
6             "username": "admin01",
7             "email": "admin01@sirekap.ac.id",
8             "role": "admin",
9             "is_active": 1,
10            "ls_lock": 0,
11            "created_at": "2025-11-05T17:22:56.800000Z",
12            "updated_at": "2025-11-05T17:22:56.800000Z"
13        }
      ]
    
```

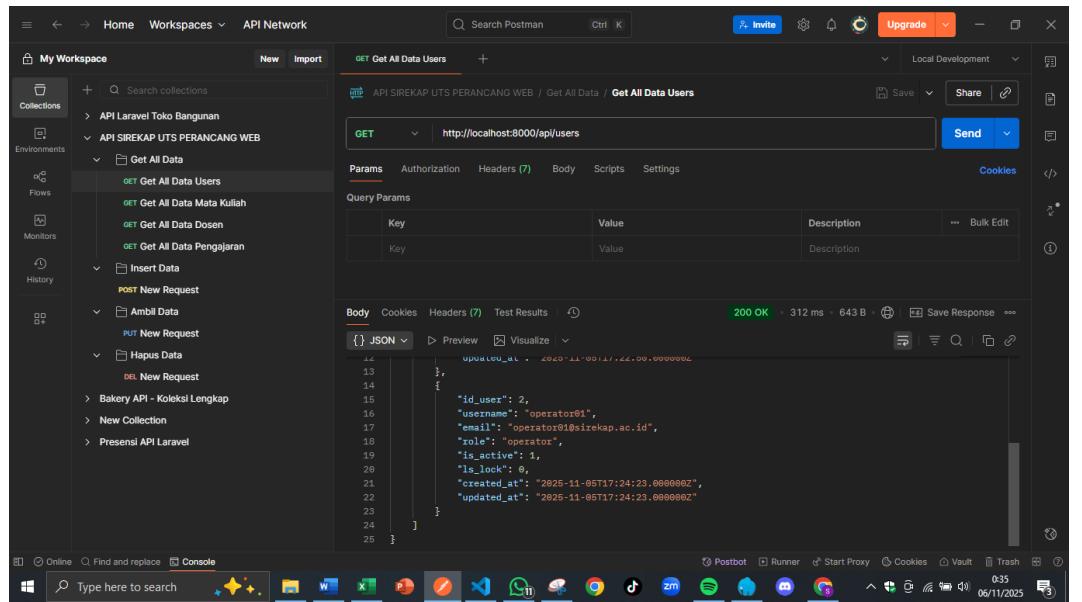
- Hapus Salah Satu Users(Dengan Id 3):

The screenshot shows the Postman interface with the following details:

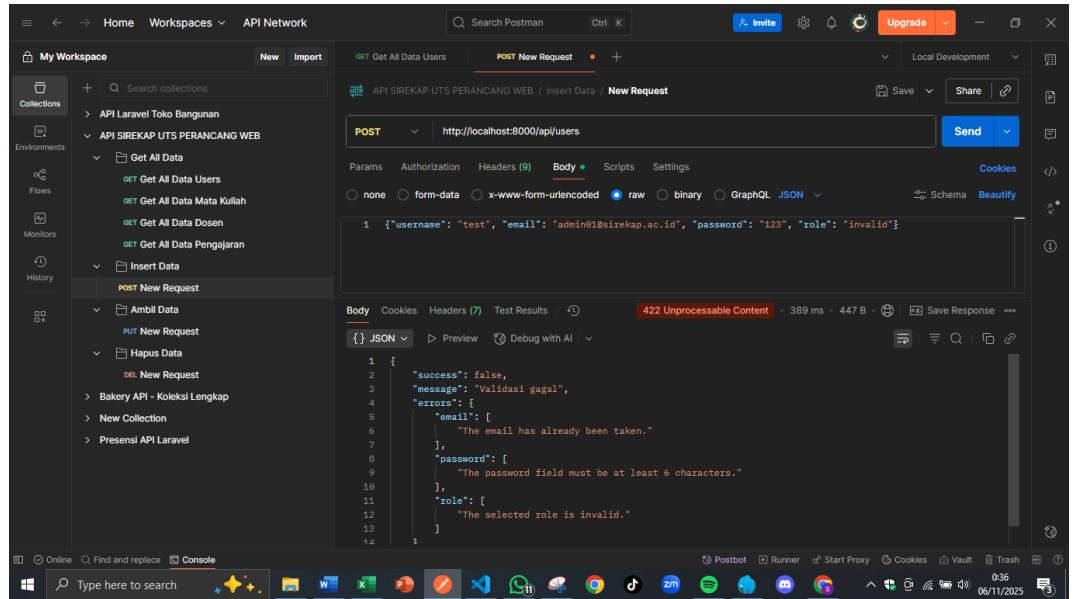
- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** DELETE
- URL:** <http://localhost:8000/api/users/3>
- Body:** None
- Response Status:** 200 OK
- Response Body (JSON):**

```

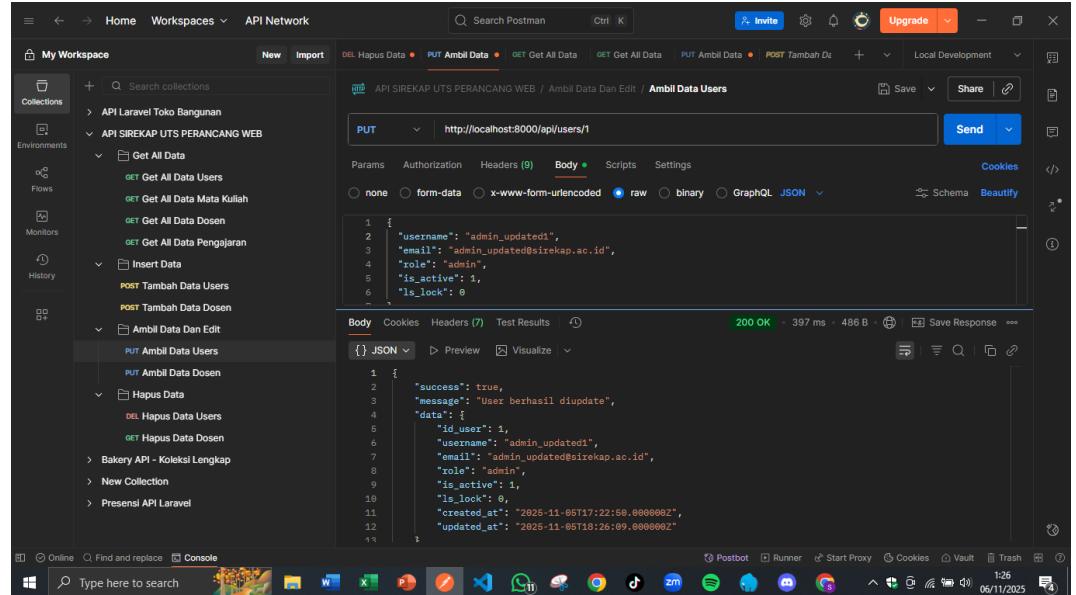
1 {
2     "success": true,
3     "message": "User berhasil dihapus"
4 }
    
```



- Tambah Data Dengan Data Yang Sudah Ada dan role yang tidak sesuai:



- Edit Data Users dengan role admin:



The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** PUT
- URL:** http://localhost:8000/api/users/1
- Body (raw JSON):**

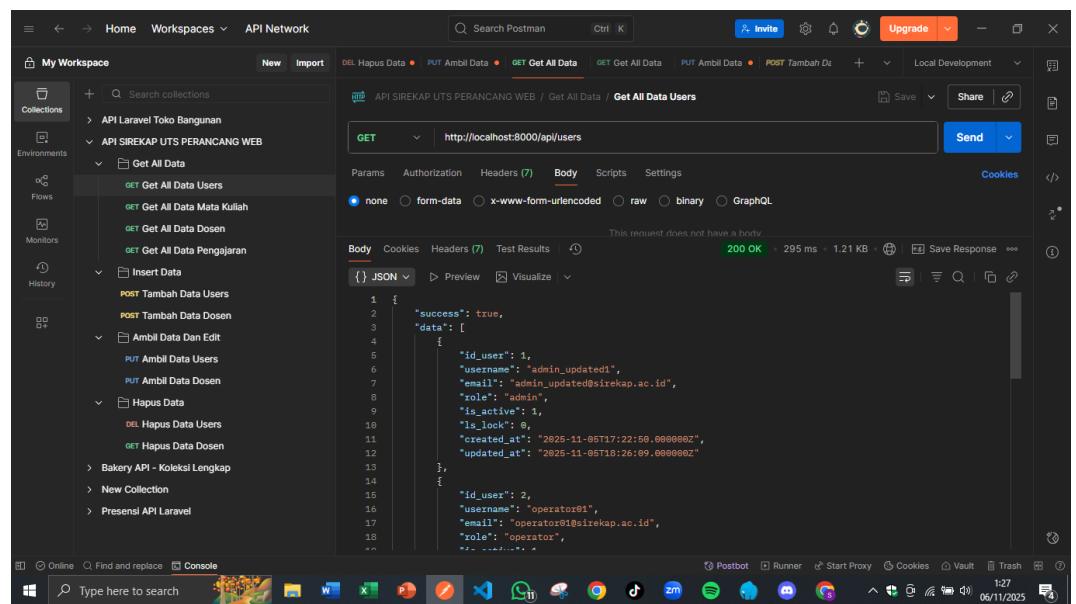
```

1 {
2   "username": "admin_updated1",
3   "email": "admin_updated@sirekap.ac.id",
4   "role": "admin",
5   "is_active": 1,
6   "ls_lock": 0
    
```

- Response Status:** 200 OK
- Response Body (JSON):**

```

1 {
2   "success": true,
3   "message": "User berhasil diupdate",
4   "data": [
5     {
6       "id_user": 1,
7       "username": "admin_updated1",
8       "email": "admin_updated@sirekap.ac.id",
9       "role": "admin",
10      "is_active": 1,
11      "ls_lock": 0,
12      "created_at": "2025-11-06T17:22:50.000000Z",
13      "updated_at": "2025-11-06T18:26:09.000000Z"
    
```

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** http://localhost:8000/api/users
- Body (raw JSON):**

```
{}
```

- Response Status:** 200 OK
- Response Body (JSON):**

```

1 {
2   "success": true,
3   "data": [
4     {
5       "id_user": 1,
6       "username": "admin_updated1",
7       "email": "admin_updated@sirekap.ac.id",
8       "role": "admin",
9       "is_active": 1,
10      "ls_lock": 0,
11      "created_at": "2025-11-06T17:22:50.000000Z",
12      "updated_at": "2025-11-06T18:26:09.000000Z"
    },
    {
5       "id_user": 2,
6       "username": "operator01",
7       "email": "operator01@sirekap.ac.id",
8       "role": "operator",
9       "is_active": 1,
10      "ls_lock": 0,
11      "created_at": "2025-11-06T17:22:50.000000Z",
12      "updated_at": "2025-11-06T18:26:09.000000Z"
    }
  ]
    
```

## 2. Data Dosen :

- Tampilkan Data Dosen Yang Masih Kosong

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** http://localhost:8000/api/dosen
- Body:** JSON (empty)
- Test Results:** 200 OK, 370 ms, 247 B
- Response Body:**

```
1  {
2   "success": true,
3   "data": []
4 }
```

- Isi Data Users Terlebih Dahulu Yang akan dijadikan foreign Key

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** http://localhost:8000/api/users
- Body:** JSON (empty)
- Test Results:** 200 OK, 347 ms, 837 B
- Response Body:**

```
1  [
2    {
3      "id_user": 4,
4      "username": "dosen01",
5      "email": "dosen01@sirekap.ac.id",
6      "role": "dosen",
7      "is_active": 1,
8      "is_lock": 0,
9      "created_at": "2025-11-05T17:48:03.000000Z",
10     "updated_at": "2025-11-05T17:48:03.000000Z"
11   }
12 ]
```

The screenshot displays two instances of the Postman application interface, both showing interactions with a "TAMBAH DATA DUSERS" endpoint.

**Top Window (Postman Instance 1):**

- Left Sidebar:** Shows "My Workspace" with collections like "API SIREKAP UTS PERANCANG WEB" and "API Laravel Toko Bangunan".
- Request Panel:** A POST request to `http://localhost:8000/api/users` is selected. The "Body" tab shows the following JSON payload:

```
2 "username": "dosen03",
3 "email": "dosen03@sirekап.ac.id",
4 "password": "password123",
5 "role": "dosen"
6 }
```
- Response Panel:** The response is a `201 Created` status with a response time of 824 ms and a size of 478 B. The JSON response body is:

```
1 {
2   "success": true,
3   "message": "User berhasil disimpan",
4   "data": [
5     {
6       "username": "dosen03",
7       "email": "dosen03@sirekап.ac.id",
8       "role": "dosen",
9       "is_active": 1,
10      "ls_lock": 0,
11      "updated_at": "2025-11-05T17:58:28.000000Z",
12      "created_at": "2025-11-05T17:58:28.000000Z",
13      "id_user": 6
14    }
15  ]
16 }
```

**Bottom Window (Postman Instance 2):**

- Left Sidebar:** Shows "My Workspace" with collections like "API SIREKAP UTS PERANCANG WEB" and "API Laravel Toko Bangunan".
- Request Panel:** A GET request to `http://localhost:8000/api/users` is selected. The "Body" tab shows the following JSON response body:

```
25 [
26   {
27     "id_user": 4,
28     "username": "dosen01",
29     "email": "dosen01@sirekап.ac.id",
30     "role": "dosen",
31     "is_active": 1,
32     "ls_lock": 0,
33     "created_at": "2025-11-05T17:48:03.000000Z",
34     "updated_at": "2025-11-05T17:48:03.000000Z"
35   },
36   {
37     "id_user": 5,
38     "username": "dosen02",
39     "email": "dosen02@sirekап.ac.id",
40     "role": "dosen",
41     "is_active": 1,
42     "ls_lock": 0,
43     "created_at": "2025-11-05T17:50:00.000000Z",
44     "updated_at": "2025-11-05T17:50:00.000000Z"
45   },
46   {
47     "id_user": 6,
48     "username": "dosen03",
49   }
50 ]
```

## ● Isi Data Dosen

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request:** POST Tambah Data Dosen
- URL:** <http://localhost:8000/api/dosen>
- Body:** raw JSON (disabled)
- Body Content:**

```

1 {
2     "id_dosen": "DSN001",
3     "nidn": "1234567890",
4     "nama_dosen": "Dr. Ahmad S.Kom., M.Kom.",
5     "gelar": "S.Kom., M.Kom.",
6     "no_hp": "081234567890",
7     "email": "ahmad@sirekap.ac.id",
8     "id_user": 4
9 }
```
- Response Status:** 422 Unprocessable Entity
- Response Body:**

```

11     "nama_dosen": [
12         "The name dosen field is required."
13     ],
14     "email": [
15         "The email field is required."
16     ],
...
```

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request:** POST Tambah Data Dosen
- URL:** <http://localhost:8000/api/dosen>
- Body:** raw JSON (disabled)
- Body Content:**

```

1 {
2     "id_dosen": "DSN001",
3     "nidn": "1234567890",
4     "nama_dosen": "Dr. Ahmad S.Kom., M.Kom.",
5     "gelar": "S.Kom., M.Kom.",
6     "no_hp": "081234567890",
7     "email": "ahmad@sirekap.ac.id",
8     "id_user": 4
9 }
```
- Response Status:** 201 Created
- Response Body:**

```

1 {
2     "success": true,
3     "message": "Dosen berhasil disimpan",
4     "data": {
5         "id_dosen": "DSN001",
6         "nidn": "1234567890",
7         "nama_dosen": "Dr. Ahmad S.Kom., M.Kom.",
8         "gelar": "S.Kom., M.Kom.",
9         "no_hp": "081234567890"
...
```

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists several collections, including 'API SIREKAP UTS PERANCANG WEB'. Under this collection, the 'Insert Data' section contains a 'POST Tambah Data Dosen' request. The request details are as follows:

**Method:** POST  
**URL:** http://localhost:8000/api/dosen  
**Body (raw JSON):**

```
1 "id_dosen": "DSN002",  
2 "nidn": "8987664321",  
3 "nama_dosen": "Dr. Sari M.T.I.",  
4 "gelar": "S.T., M.T.I.",  
5 "no_hp": "081398765432",  
6 "email": "sari.mti@sirekap.ac.id",  
7 "id_user": 5
```

**Response:**

```
1 {  
2   "success": true,  
3   "message": "Dosen berhasil disimpan",  
4   "data": {  
5     "id_dosen": "DSN002",  
6     "nidn": "8987664321",  
7     "nama_dosen": "Dr. Sari M.T.I.",  
8     "gelar": "S.T., M.T.I.",  
9     "no_hp": "081398765432",  
10    "email": "sari.mti@sirekap.ac.id",  
11    "id_user": 5  
12  }  
13}
```

This screenshot is nearly identical to the one above, showing the same workspace and collection structure. The 'POST Tambah Data Dosen' request has been modified with different data:

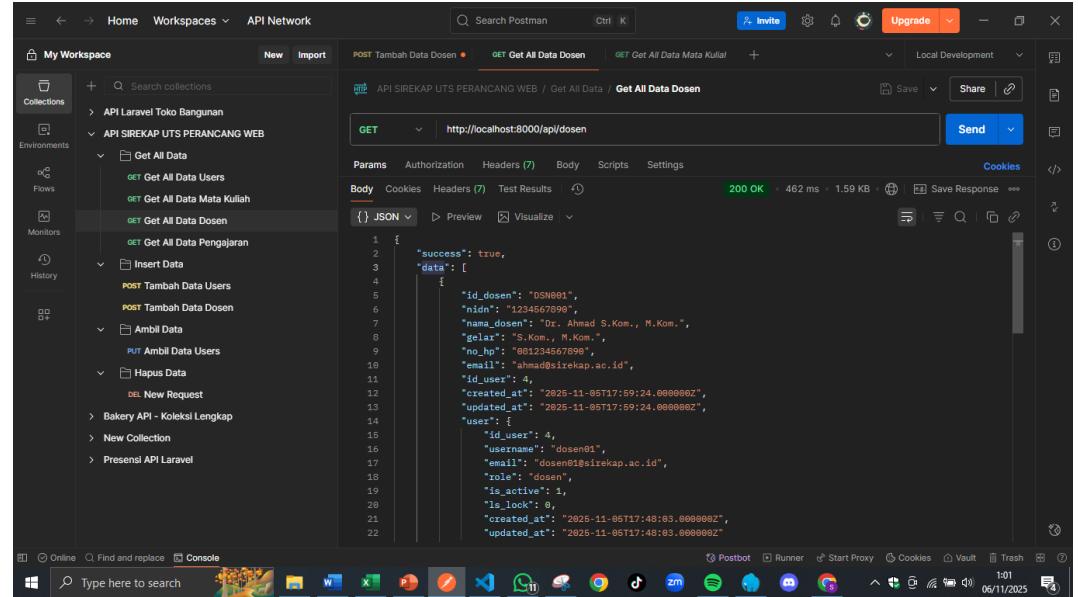
**Body (raw JSON):**

```
1 {  
2   "id_dosen": "DSN003",  
3   "nidn": "1122334455",  
4   "nama_dosen": "Prof. Budi Santoso, Ph.D.",  
5   "gelar": "S.Si., M.Sc., Ph.D.",  
6   "no_hp": "085211223344",  
7   "email": "budi.santoso@sirekap.ac.id",  
8   "id_user": 6  
9 }
```

**Response:**

```
1 {  
2   "success": true,  
3   "message": "Dosen berhasil disimpan",  
4   "data": {  
5     "id_dosen": "DSN003",  
6     "nidn": "1122334455",  
7     "nama_dosen": "Prof. Budi Santoso, Ph.D.",  
8     "gelar": "S.Si., M.Sc., Ph.D.",  
9     "no_hp": "085211223344",  
10    "email": "budi.santoso@sirekap.ac.id",  
11    "id_user": 6  
12  }  
13}
```

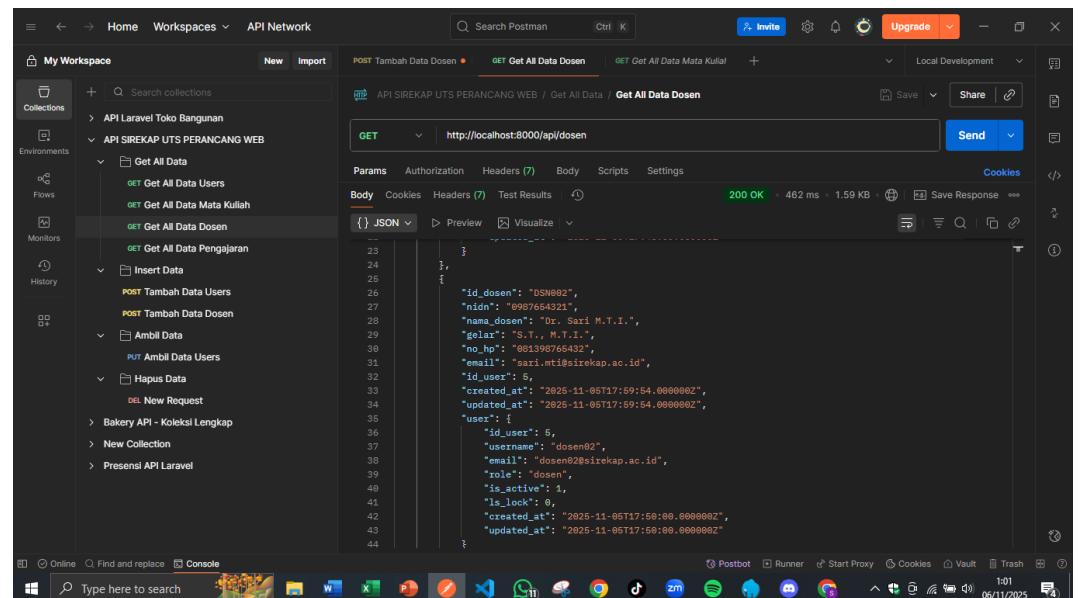
- Tampilkan Data Dosen Setelah Diisi



```

1  {
2     "success": true,
3     "data": [
4         {
5             "id_dosen": "DSN001",
6             "nidn": "1234567890",
7             "nama_dosen": "Dr. Ahmad S.Kom., M.Kom.",
8             "gelar": "S.Kom., M.Kom.",
9             "no_hp": "+621234567890",
10            "email": "ahma@sirekap.ac.id",
11            "id_user": 4,
12            "created_at": "2025-11-05T17:59:24.000000Z",
13            "updated_at": "2025-11-05T17:59:24.000000Z",
14            "user": {
15                "id_user": 4,
16                "username": "dosen01",
17                "email": "dosen01@sirekap.ac.id",
18                "role": "dosen",
19                "is_active": 1,
20                "ls_lock": 0,
21                "created_at": "2025-11-05T17:48:03.000000Z",
22                "updated_at": "2025-11-05T17:48:03.000000Z"
23            }
24        },
25        {
26            "id_dosen": "DSN002",
27            "nidn": "8987654321",
28            "nama_dosen": "Dr. Sari M.T.I.",
29            "gelar": "S.T., M.T.I.",
30            "no_hp": "+621398765432",
31            "email": "sari.mt@sirekap.ac.id",
32            "id_user": 5,
33            "created_at": "2025-11-05T17:59:54.000000Z",
34            "updated_at": "2025-11-05T17:59:54.000000Z",
35            "user": {
36                "id_user": 5,
37                "username": "dosen02",
38                "email": "dosen02@sirekap.ac.id",
39                "role": "dosen",
40                "is_active": 1,
41                "ls_lock": 0,
42                "created_at": "2025-11-05T17:59:00.000000Z",
43                "updated_at": "2025-11-05T17:59:00.000000Z"
44            }
45        }
46    ]
47}

```



```

1  {
2     "success": true,
3     "data": [
4         {
5             "id_dosen": "DSN001",
6             "nidn": "1234567890",
7             "nama_dosen": "Dr. Ahmad S.Kom., M.Kom.",
8             "gelar": "S.Kom., M.Kom.",
9             "no_hp": "+621234567890",
10            "email": "ahma@sirekap.ac.id",
11            "id_user": 4,
12            "created_at": "2025-11-05T17:59:24.000000Z",
13            "updated_at": "2025-11-05T17:59:24.000000Z",
14            "user": {
15                "id_user": 4,
16                "username": "dosen01",
17                "email": "dosen01@sirekap.ac.id",
18                "role": "dosen",
19                "is_active": 1,
20                "ls_lock": 0,
21                "created_at": "2025-11-05T17:48:03.000000Z",
22                "updated_at": "2025-11-05T17:48:03.000000Z"
23            }
24        },
25        {
26            "id_dosen": "DSN002",
27            "nidn": "8987654321",
28            "nama_dosen": "Dr. Sari M.T.I.",
29            "gelar": "S.T., M.T.I.",
30            "no_hp": "+621398765432",
31            "email": "sari.mt@sirekap.ac.id",
32            "id_user": 5,
33            "created_at": "2025-11-05T17:59:54.000000Z",
34            "updated_at": "2025-11-05T17:59:54.000000Z",
35            "user": {
36                "id_user": 5,
37                "username": "dosen02",
38                "email": "dosen02@sirekap.ac.id",
39                "role": "dosen",
40                "is_active": 1,
41                "ls_lock": 0,
42                "created_at": "2025-11-05T17:59:00.000000Z",
43                "updated_at": "2025-11-05T17:59:00.000000Z"
44            }
45        }
46    ]
47}

```

The screenshot shows the Postman interface with the following details:

- Collection:** My Workspace
- Request:** GET /api/dosen
- Response Status:** 200 OK
- Response Body (JSON):**

```

44  },
45  },
46  },
47  },
48  "id_dosen": "DSN083",
49  "nidn": "1234567890",
50  "nama_dosen": "Prof. Budi Santoso, Ph.D.",
51  "gelar": "S.Si., M.Sc., Ph.D.",
52  "no_hp": "085212345678",
53  "email": "budi.santoso@sirekap.ac.id",
54  "id_user": 6,
55  "created_at": "2025-11-05T18:00:19.000000Z",
56  "updated_at": "2025-11-05T18:00:19.000000Z",
57  "user": [
58    {
59      "id_user": 6,
60      "username": "dosen03",
61      "email": "dosen03@sirekap.ac.id",
62      "role": "dosen",
63      "is_active": 1,
64      "is_lock": 0,
65      "created_at": "2025-11-05T17:58:28.000000Z",
66      "updated_at": "2025-11-05T17:58:28.000000Z"
67    }
  ]

```

- Ambil Salah Satu Data Dosen

The screenshot shows the Postman interface with the following details:

- Collection:** My Workspace
- Request:** PUT /api/dosen/DSN001
- Response Status:** 200 OK
- Response Body (JSON):**

```

1  {
2    "success": true,
3    "data": [
4      {
5        "id_dosen": "DSN081",
6        "nidn": "1234567890",
7        "nama_dosen": "Dr. Ahmad S.Kom., M.Kom.",
8        "gelar": "S.Kom., M.Kom",
9        "no_hp": "081234567890",
10       "email": "ahmadedsirekap.ac.id",
11       "id_user": 4,
12       "created_at": "2025-11-05T17:59:24.000000Z",
13       "updated_at": "2025-11-05T17:59:24.000000Z",
14       "user": [
          ...
        ]
      }
    ]
  }

```

- Edit Salah Satu Data Dosen Dengan ID DSN001

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists several collections, including 'API SIREKAP UTS PERANCANG WEB' which contains 'Get All Data', 'Insert Data', 'Ambil Data', and 'Hapus Data' endpoints. The main workspace displays a 'PUT Ambil Data Dosen' request. The URL is `http://localhost:8000/api/dosen/DSN001`. The 'Body' tab shows a JSON payload:

```

1  {
2   "nama_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
3   "gelar": "S.Kom., M.Kom., Ph.D.",
4   "no_hp": "081234567899",
5   "email": "ahmad.phd@sirekap.ac.id"
6 }

```

The response status is 200 OK with a response time of 333 ms and a size of 556 B. The response body contains the updated teacher information.

The screenshot shows the Postman application interface. The 'My Workspace' sidebar lists the same collection structure as the previous screenshot. The main workspace displays a 'GET Get All Data Dosen' request. The URL is `http://localhost:8000/api/dosen`. The 'Body' tab shows a JSON response:

```

1  {
2   "success": true,
3   "message": "Dosen berhasil diupdate",
4   "data": [
5     {
6       "id_dosen": "DSN001",
7       "nid": "1234567899",
8       "nama_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
9       "gelar": "S.Kom., M.Kom., Ph.D.",
10      "no_hp": "081234567899",
11      "email": "ahmad.phd@sirekap.ac.id",
12      "id_user": 4,
13      "created_at": "2025-11-05T17:59:24.000002",
14      "updated_at": "2025-11-05T18:22:45.000002"
15    }
16  ]

```

The response status is 200 OK with a response time of 354 ms and a size of 1.61 KB. The response body contains a list of teacher records.

- Hapus Data Dosen DSN002

The screenshot shows two separate instances of the Postman application interface.

**Top Instance:**

- Request URL:** `http://localhost:8000/api/dosen/DSN002`
- Method:** DELETE
- Response Status:** 200 OK
- Response Body (JSON):**

```

1: {
2:   "success": true,
3:   "message": "Dosen berhasil dihapus"
4: }
    
```

**Bottom Instance:**

- Request URL:** `http://localhost:8000/api/dosen`
- Method:** GET
- Response Status:** 200 OK
- Response Body (JSON):**

```

1: [
2:   {
3:     "id_dosen": "DSN003",
4:     "nidn": "1122334455",
5:     "username": "dosen03",
6:     "email": "dosen03@sirekap.ac.id",
7:     "role": "dosen",
8:     "is_active": 1,
9:     "ls_lock": 0,
10:    "created_at": "2025-11-05T17:48:03.000000Z",
11:    "updated_at": "2025-11-05T17:48:05.000000Z",
12:    "id_user": 4,
13:    "created_at": "2025-11-05T17:59:24.000000Z",
14:    "updated_at": "2025-11-05T18:22:45.000000Z",
15:    "user": {
16:      "id_user": 4,
17:      "username": "admin01",
18:      "email": "admin01@sirekap.ac.id",
19:      "role": "admin",
20:      "is_active": 1,
21:      "ls_lock": 0,
22:      "created_at": "2025-11-05T17:48:03.000000Z",
23:      "updated_at": "2025-11-05T17:48:05.000000Z"
24:    },
25:    "id_dosen": "DSN003",
26:    "nidn": "1122334455"
27:  }
    
```

### 3. Mata Kuliah

- Data Mata Kuliah :

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists several collections and environments. The main panel displays a 'Get All Data Mata Kuliah' request. The 'Body' tab shows a JSON response:

```
1 {  
2   "success": true,  
3   "data": []  
4 }
```

- Insert 3 Data Mata Kuliah

The screenshot shows the Postman application interface. The 'My Workspace' sidebar is visible on the left. The main panel shows a 'POST Tambah Data Mata Kuliah' request. The 'Body' tab contains the following JSON payload:

```
1 [ {"id_matakuliah": "MK0001", "kode_matakuliah": "RPL101", "nama_matakuliah": "Pemrograman Web", "sks": 3, "semester": 3, "Jenis": "teori", "id_dosen": "DSN001", "Jenis_dosen": "pengampu"},  
2 {"id_matakuliah": "MK0002", "kode_matakuliah": "RPL102", "nama_matakuliah": "Algoritma dan Strukturnya", "sks": 3, "semester": 3, "Jenis": "teori", "id_dosen": "DSN002", "Jenis_dosen": "pengampu"},  
3 {"id_matakuliah": "MK0003", "kode_matakuliah": "RPL103", "nama_matakuliah": "Database", "sks": 3, "semester": 3, "Jenis": "teori", "id_dosen": "DSN003", "Jenis_dosen": "pengampu"} ]
```

The response shows a 201 Created status with a message: "Matakuliah berhasil disimpan".

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections, environments, flows, monitors, and history. The main workspace shows a POST request to 'http://localhost:8000/api/matakuliah'. The request body contains JSON data for a new course entry. The response status is '201 Created' with a response time of 281 ms and a size of 543 B. The response body is a JSON object indicating success and providing the inserted course details.

```
1  {"id_matakuliah": "MK0002", "kode_matakuliah": "RPL102", "nama_matakuliah": "Basis Data", "skls": 4, "semester": 2, "jenis": "teori", "id_dosen": "DSN001", "jenis_dosen": "pengampu"}  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12
```

This screenshot is nearly identical to the one above, showing a second successful POST request to add a new course record. The request body and response details are very similar, indicating the addition of another course entry with specific parameters.

```
1  {"id_matakuliah": "MK0015", "kode_matakuliah": "JAR101", "nama_matakuliah": "Pemrograman Jaringan", "skls": 3, "semester": 3, "jenis": "praktikum", "id_dosen": "DSN003", "jenis_dosen": "pengampu"}  
2  
3  
4  
5  
6  
7  
8  
9  
10
```

- Hasil Setelah Ditambah 3 Mata Kuliah

The screenshots show two separate API requests made using the Postman application. Both requests are directed at the endpoint `http://localhost:8000/api/matakuliah`.

**Request 1 (Top Screenshot):**

```

GET /api/matakuliah
{
  "id_matakuliah": "MK0015",
  "kode_matakuliah": "JAR015",
  "nama_matakuliah": "Pemrograman Jaringan",
  "skt": 3,
  "semester": 3,
  "jenis": "praktikum",
  "id_dosen": "DSN003",
  "jenis_dosen": "pengampu",
  "created_at": "2025-11-05T18:43:11.000000Z",
  "updated_at": "2025-11-05T18:43:11.000000Z",
  "dosen": [
    {
      "id_dosen": "DSN003",
      "nidn": "1122334455",
      "name_dosen": "Prof. Budi Santoso, Ph.D.",
      "gelar": "S.Si., M.Sc., Ph.D.",
      "no_hp": "085211223344",
      "email": "budi.santoso@sirekap.ac.id",
      "id_user": 6,
      "created_at": "2025-11-05T18:00:19.000000Z",
      "updated_at": "2025-11-05T18:00:19.000000Z"
    }
  ]
}

```

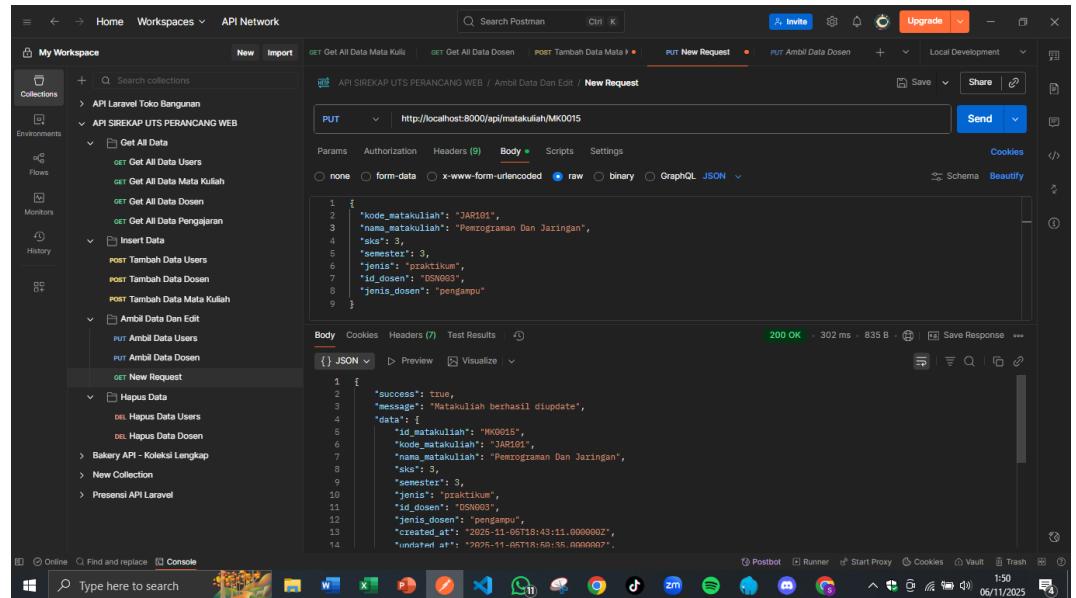
**Request 2 (Bottom Screenshot):**

```

GET /api/matakuliah
{
  "success": true,
  "data": [
    {
      "id_matakuliah": "MK0001",
      "kode_matakuliah": "RPL001",
      "nama_matakuliah": "Pemrograman Web",
      "skt": 3,
      "semester": 3,
      "jenis": "teori",
      "id_dosen": "DSN001",
      "jenis_dosen": "pengampu",
      "created_at": "2025-11-05T18:40:04.000000Z",
      "updated_at": "2025-11-05T18:40:04.000000Z",
      "dosen": [
        {
          "id_dosen": "DSN001",
          "nidn": "1234567890",
          "name_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
          "gelar": "S.Kom., M.Kom., Ph.D.",
          "no_hp": "081234567899",
          "email": "ahmad.ph@sirekap.ac.id",
          "id_user": 2,
          "created_at": "2025-11-05T17:59:24.000000Z",
          "updated_at": "2025-11-05T18:22:45.000000Z"
        }
      ]
    }
  ]
}

```

## • Edit Data Mata Kuliah



The screenshot shows the Postman interface with the following details:

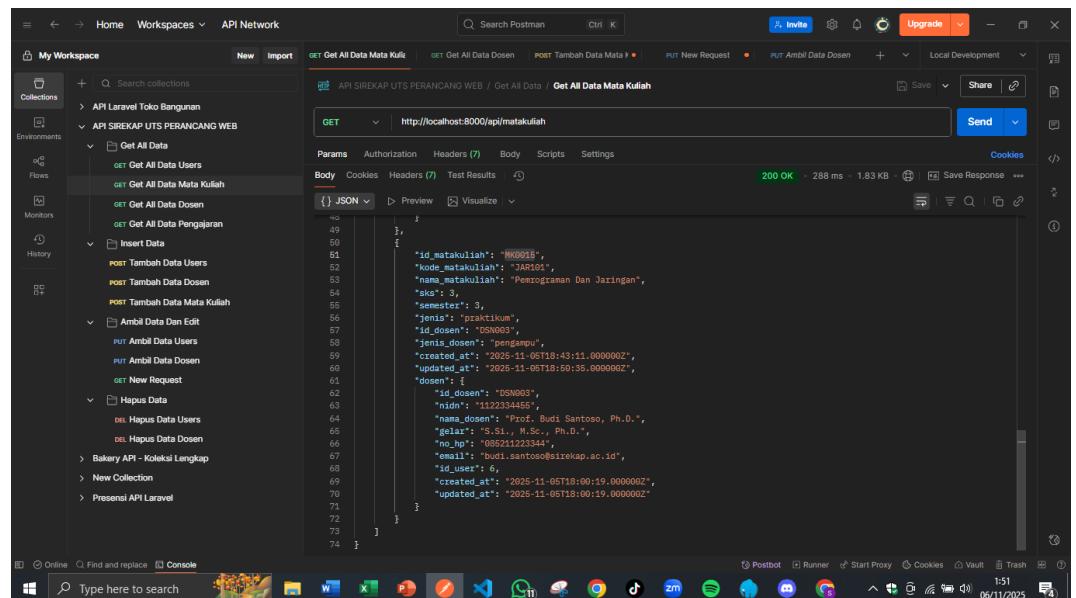
- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** PUT
- URL:** <http://localhost:8000/api/matakuliah/MK0015>
- Body (raw JSON):**

```

1 {
2   "kode_matakuliah": "JAR101",
3   "nama_matakuliah": "Pemrograman Dan Jaringan",
4   "sks": 3,
5   "semester": 3,
6   "jenis": "praktikum",
7   "id_dosen": "DSN003",
8   "jenis_dosen": "pengampu"
9 }

```

- Response:** 200 OK (302 ms, 835 B)



The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** <http://localhost:8000/api/matakuliah>
- Body (raw JSON):**

```

1 [
2   {
3     "success": true,
4     "message": "Matakuliah berhasil diupdate",
5     "data": [
6       {
7         "id_matakuliah": "MK0015",
8         "kode_matakuliah": "JAR101",
9         "nama_matakuliah": "Pemrograman Dan Jaringan",
10        "sks": 3,
11        "semester": 3,
12        "jenis": "praktikum",
13        "id_dosen": "DSN003",
14        "jenis_dosen": "pengampu",
15        "created_at": "2025-11-05T18:43:11.000000Z",
16        "updated_at": "2025-11-05T18:43:11.000000Z"
17      }
18    ]
19  }
20 ]

```

- Response:** 200 OK (288 ms, 1.83 KB)

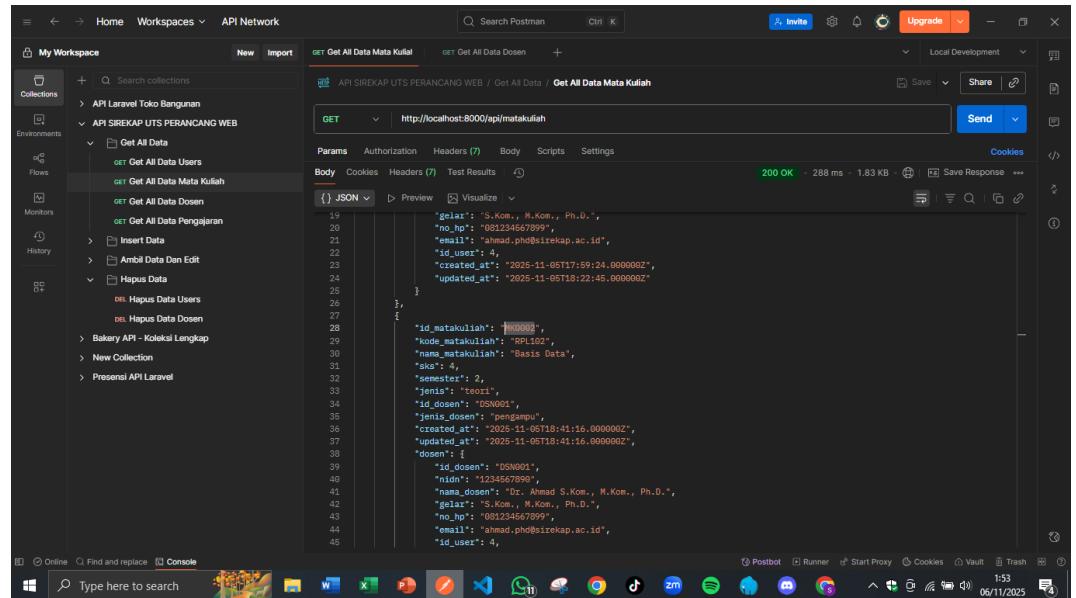
- Jika Tambah Data Yang Sama

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists various collections and environments. In the center, a specific collection for 'API SIREKAP UTS PERANCANG WEB' is selected, with its sub-endpoints visible: 'Get All Data Mata Kuliah', 'Get All Data Dosen', 'Get All Data Pengajaran', 'Insert Data', 'Tambah Data Users', 'Tambah Data Dosen', and 'Tambah Data Mata Kuliah'. A 'POST' request is being made to the endpoint 'http://localhost:8000/api/matakuliah'. The 'Body' tab shows a JSON payload:

```
1 {
2     "id_matakuliah": "MK0015",
3     "kode_matakuliah": "3AR102",
4     "nama_matakuliah": "Pemrograman Da Jaringan",
5     "sks": 3,
6     "semester": 3,
```

The response status is '422 Unprocessable Content' with a message: 'The id\_matakuliah has already been taken.' The bottom of the screen shows the Windows taskbar with various pinned icons.

- Hapus Data Mata Kuliah Dengan Kode MK0002

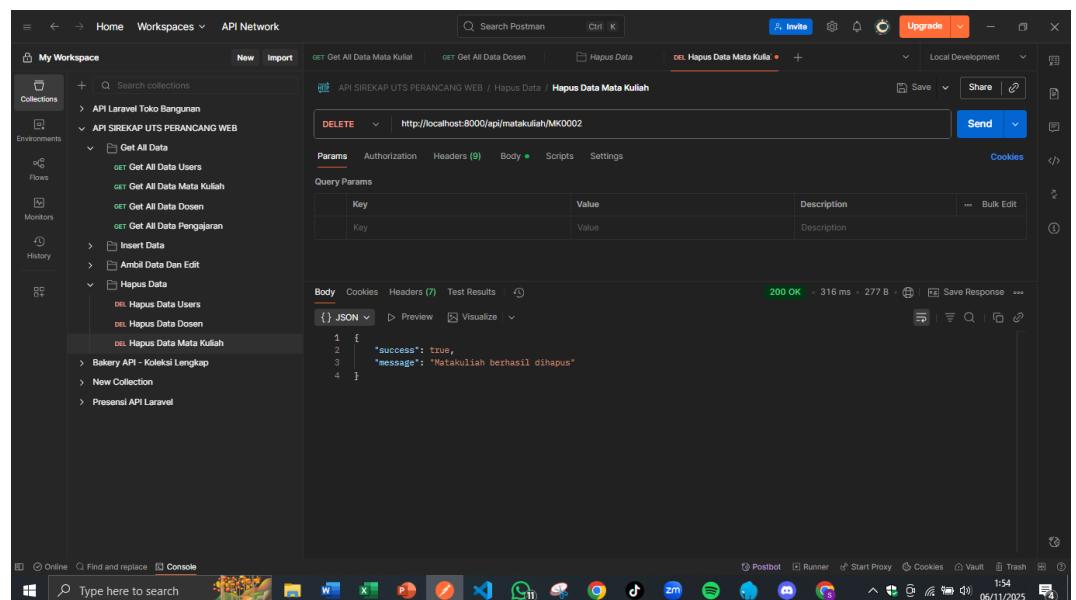


The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** <http://localhost:8000/api/matakuliah>
- Response Status:** 200 OK
- Body (JSON):**

```

1  [
2    {
3      "id": "MK0002",
4      "kode_matakuliah": "RP102",
5      "name_matakuliah": "Basis Data",
6      "sks": 4,
7      "semester": 2,
8      "jenis": "teori",
9      "id_dosen": "DSN001",
10     "jenis_dosen": "pengampu",
11     "created_at": "2025-11-05T18:41:15.000000Z",
12     "updated_at": "2025-11-05T18:41:16.000000Z",
13     "dosen": [
14       {
15         "id_dosen": "DSN001",
16         "id": "1234567890",
17         "name_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
18         "gelar": "S.Kom., M.Kom., Ph.D.",
19         "no_hp": "081234567890",
20         "email": "ahmad.pho@sirekap.ac.id",
21         "id_user": 4,
22         "created_at": "2025-11-05T18:41:15.000000Z",
23         "updated_at": "2025-11-05T18:41:16.000000Z"
24       }
25     ],
26   }
27 ]
  
```

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** DELETE
- URL:** <http://localhost:8000/api/matakuliah/MK0002>
- Response Status:** 200 OK
- Body (JSON):**

```

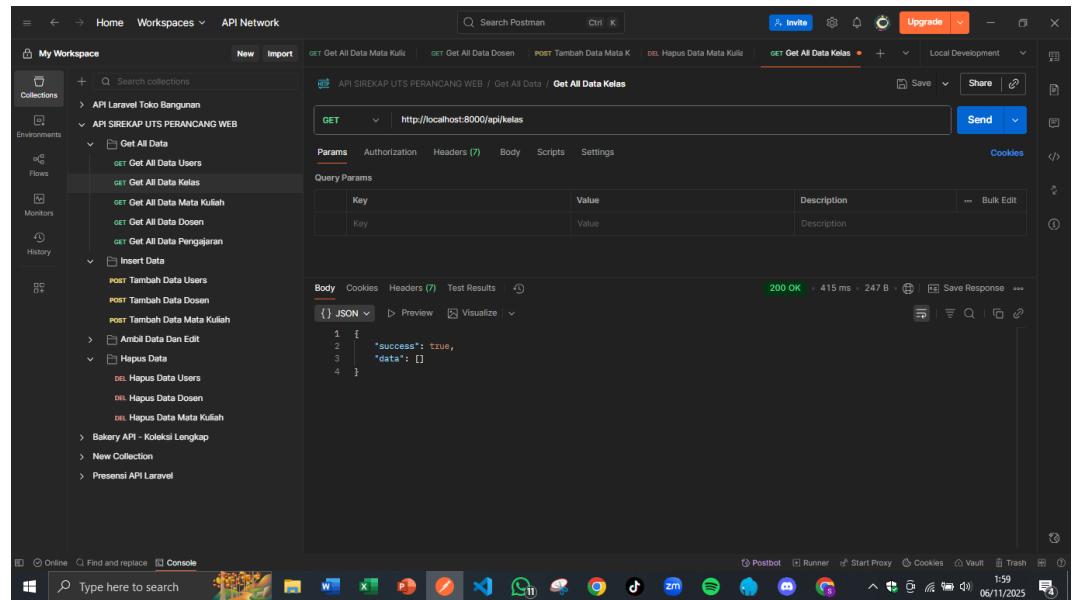
1  [
2    {
3      "success": true,
4      "message": "Matakuliah berhasil dihapus"
5    }
6  ]
  
```

The screenshot shows the Postman application interface. In the left sidebar, under 'My Workspace', there is a collection named 'API SIREKAP UTS PERANCANG WEB' which contains several items: 'Get All Data Mata Kuliah', 'Get All Data Dosen', 'Get All Data Pengajaran', 'Insert Data', 'Ambil Data Dan Edit', and 'Hapus Data'. The 'Get All Data Mata Kuliah' item is selected. The main panel displays a GET request to 'http://localhost:8000/api/matakuliah'. The response status is 200 OK, with a response time of 453 ms and a size of 1.31 KB. The response body is shown in JSON format, listing multiple records of matakuliah data. The JSON output is as follows:

```
5   "id_matakuliah": "MK0001",
6   "kode_matakuliah": "RPL101",
7   "nama_matakuliah": "Pemrograman Web",
8   "sks": 3,
9   "semester": 1,
10  "jenis": "sosial",
11  "id_dosen": "DSN001",
12  "jenis_dosen": "pengarpu",
13  "created_at": "2025-11-06T18:40:04.000000Z",
14  "updated_at": "2025-11-06T18:40:04.000000Z",
15  "dosen": [
16    {
17      "id_dosen": "DSN001",
18      "nidn": "1234567890",
19      "nama_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
20      "gelar": "S.Kom., M.Kom., Ph.D.",
21      "no_hp": "+621234567899",
22      "email": "ahmad.ph@sitekap.ac.id",
23      "id_user": 4,
24      "created_at": "2025-11-05T17:59:24.000000Z",
25      "updated_at": "2025-11-05T18:22:45.000000Z"
26    },
27  ],
28  "id_matakuliah": "MK0015",
29  "kode_matakuliah": "JAR101",
30  "nama_matakuliah": "Pemrograman Dan Jaringan",
31  "sks": 3,
```

## 4. Data Kelas

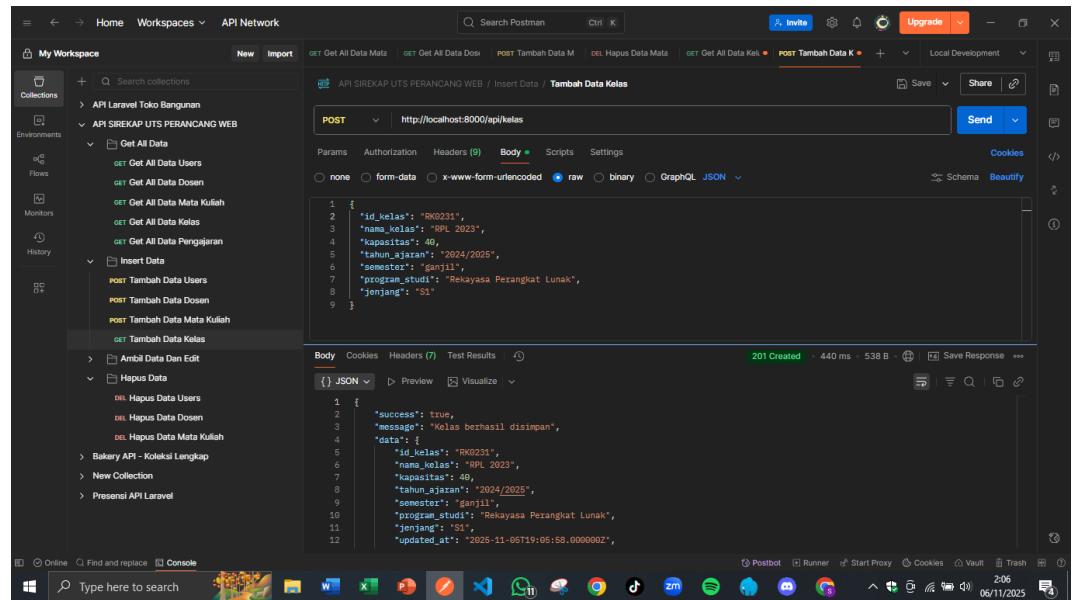
- Tampilkan data kelas



The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections: 'API Laravel Toko Bangunan', 'API SIREKAP UTS PERANCANG WEB', and 'Bakery API - Koleksi Lengkap'. Under 'API SIREKAP UTS PERANCANG WEB', there are several requests: 'Get All Data Users', 'Get All Data Dosen', 'Get All Data Kelas', 'Get All Data Mata Kuliah', 'Get All Data Dosen', 'Get All Data Pengajaran', 'Insert Data', 'Post Tambah Data Users', 'Post Tambah Data Dosen', 'Post Tambah Data Mata Kuliah', 'Ambil Data Dan Edit', 'Hapus Data', 'Hapus Data Users', 'Hapus Data Dosen', 'Hapus Data Mata Kuliah', 'Bakery API - Koleksi Lengkap', 'New Collection', and 'Presensi API Laravel'. The main panel shows a request to 'GET /api/kelas' with a status of '200 OK'. The response body is a JSON object:

```
1 {  
2   "success": true,  
3   "data": []  
4 }
```

- Tambah 3 Data Kelas



The screenshot shows the Postman application interface. The 'My Workspace' sidebar is identical to the previous screenshot. The main panel shows a POST request to 'http://localhost:8000/api/kelas' with a status of '201 Created'. The request body is a JSON object:

```
1 {  
2   "id_kelas": "RK0231",  
3   "nama_kelas": "RPL 2023",  
4   "kapasitas": 40,  
5   "tahun_ajaran": "2024/2025",  
6   "semester": "ganjil",  
7   "program_studi": "Rekayasa Perangkat Lunak",  
8   "jenjang": "S1"  
9 }
```

The response body is a JSON object:

```
1 {  
2   "success": true,  
3   "message": "Kelas berhasil disimpan",  
4   "data": [  
5     {  
6       "id_kelas": "RK0231",  
7       "nama_kelas": "RPL 2023",  
8       "kapasitas": 40,  
9       "tahun_ajaran": "2024/2025",  
10      "semester": "ganjil",  
11      "program_studi": "Rekayasa Perangkat Lunak",  
12      "jenjang": "S1",  
13      "updated_at": "2025-11-05T19:05:58.000000Z",  
14    }  
15  ]  
16 }
```

Postman API Network - My Workspace

API SIREKAP UTS PERANCANG WEB / Insert Data / Tambah Data Kelas

POST http://localhost:8000/api/kelas

Body (raw JSON)

```
[{"id_kelas": "KLS092", "nama_kelas": "SI-38", "kapasitas": 36, "tahun_ajaran": "2024/2025", "semester": "genap", "program_studi": "Sistem Informasi", "jenjang": "SD"}, {"id_kelas": "KLS093", "nama_kelas": "INF-2C", "kapasitas": 30, "tahun_ajaran": "2024/2025", "semester": "genap", "program_studi": "Informatika", "jenjang": "SD"}]
```

201 Created 349 ms 527 B

Body Cookies Headers (7) Test Results

```
{"success": true, "message": "Kelas berhasil disimpan", "data": [{"id_kelas": "KLS092", "name_kelas": "SI-38", "kapasitas": 36, "tahun_ajaran": "2024/2025", "semester": "genap", "program_studi": "Sistem Informasi", "jenjang": "SD", "updated_at": "2025-11-05T19:06:30.000000Z"}, {"id_kelas": "KLS093", "nama_kelas": "INF-2C", "kapasitas": 30, "tahun_ajaran": "2024/2025", "semester": "genap", "program_studi": "Informatika", "jenjang": "SD", "updated_at": "2025-11-05T19:06:46.000000Z"}]}
```

Postman API Network - My Workspace

API SIREKAP UTS PERANCANG WEB / Insert Data / Tambah Data Kelas

POST http://localhost:8000/api/kelas

Body (raw JSON)

```
[{"id_kelas": "KLS093", "nama_kelas": "INF-2C", "kapasitas": 30, "tahun_ajaran": "2024/2025", "semester": "genap", "program_studi": "Informatika", "jenjang": "SD"}]
```

201 Created 309 ms 522 B

Body Cookies Headers (7) Test Results

```
{"success": true, "message": "Kelas berhasil disimpan", "data": [{"id_kelas": "KLS093", "name_kelas": "INF-2C", "kapasitas": 30, "tahun_ajaran": "2024/2025", "semester": "genap", "program_studi": "Informatika", "jenjang": "SD", "updated_at": "2025-11-05T19:06:46.000000Z"}]}
```

- Setelah ditambah 3 kelas:

The screenshot displays three separate instances of the Postman application window, each showing the results of a GET request to the 'Get All Data Kelas' endpoint of the API. The requests are identical, returning a JSON response with two data objects.

```

{
  "success": true,
  "data": [
    {
      "id_kelas": "KL5982",
      "nama_kelas": "SI-3B",
      "kepsek": 35,
      "tahun_ajaran": "2024/2025",
      "semester": "genap",
      "program_studi": "Sistem Informasi",
      "jenjang": "SL",
      "created_at": "2025-11-08T19:06:30.000000Z",
      "updated_at": "2025-11-08T19:06:30.000000Z"
    },
    {
      "id_kelas": "KL5983",
      "nama_kelas": "INF-2C",
      "kepsek": 36,
      "tahun_ajaran": "2024/2025",
      "semester": "genap",
      "program_studi": "Informatica",
      "jenjang": "SL",
      "created_at": "2025-11-08T19:06:30.000000Z",
      "updated_at": "2025-11-08T19:06:30.000000Z"
    },
    {
      "id_kelas": "KL5984",
      "nama_kelas": "RPL 2023",
      "kepsek": 37,
      "tahun_ajaran": "2024/2025",
      "semester": "genap",
      "program_studi": "Rekayasa Perangkat Lunak",
      "jenjang": "SL",
      "created_at": "2025-11-08T19:06:30.000000Z",
      "updated_at": "2025-11-08T19:06:30.000000Z"
    }
  ]
}

```

- Insert Dengan Data Yang Sama

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists several collections, including 'API SIREKAP UTS PERANCANG WEB' which contains various GET and POST methods for managing users, classes, and subjects. The main workspace displays a POST request to 'http://localhost:8000/api/kelas'. The 'Body' tab is selected, showing a JSON payload:

```
1 {  
2     "id_kelas": "V05903",  
3     "nama_kelas": "IMF-2C",  
4     "kapasitas": 30,  
5     "tahun_ajaran": "2024/2025",  
6     "semester": "genap",  
7     "program_studi": "Informatika",  
8     "jenjang": "S1"  
9 }
```

The response status is '422 Unprocessable Content' with a timestamp of '2024-06-11T08:08:25.000Z'. The response body is:

```
1 {  
2     "success": false,  
3     "message": "Validasi gagal",  
4     "errors": [  
5         "id_kelas": [  
6             "The id_kelas has already been taken."  
7         ]  
8     ]  
9 }
```

The bottom of the screen shows the Windows taskbar with various pinned icons.

- Edit Data Kelas dengan kode KLS001

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections: 'API Laravel Toko Bangunan' and 'API SIREKAP UTS PERANCANG WEB'. Under 'API SIREKAP UTS PERANCANG WEB', there are several requests: 'Get All Data Users', 'Get All Data Dosen', 'Get All Data Mata Kuliah', 'Get All Data Kelas', 'Get All Data Pengajaran', 'Insert Data', 'Post Tambah Data Users', 'Post Tambah Data Dosen', 'Post Tambah Data Mata Kuliah', 'Post Tambah Data Kelas', 'Ambil Data Dan Edit', 'Hapus Data', and 'Bakery API - Koleksi Lengkap'. The 'Get All Data Kelas' request is selected.

The main workspace displays a 'GET Get All Data Kelas' request to `http://localhost:8000/api/kelas`. The 'Body' tab shows a JSON response with two data objects:

```

1 {
2   "success": true,
3   "data": [
4     {
5       "id_kelas": "KLS001",
6       "nama_kelas": "TEST",
7       "kapasitas": 25,
8       "tahun_ajaran": "2024/2025",
9       "semester": "ganjil",
10      "program_studi": "Manajemen",
11      "jenjang": "S1",
12      "created_at": "2025-11-06T19:08:40.000000Z",
13      "updated_at": "2025-11-06T19:08:40.000000Z"
14    },
15    {
16      "id_kelas": "KLS002",
17      "nama_kelas": "ST-38",
18      "kapasitas": 35
19    }
20  ]
21}

```

The status bar at the bottom right indicates '200 OK' with a response size of 366 ms and 1.18 KB.

- Data Sesudah Diubah

The screenshot shows the Postman application interface. The 'My Workspace' sidebar lists the same collections as the previous screenshot. The 'Get All Data Kelas' request is no longer selected; instead, the 'Ambil Data Kelas' request is selected under the 'Ambil Data Dan Edit' section.

The main workspace displays a 'PUT Ambil Data Kelas' request to `http://localhost:8000/api/kelas/KLS001`. The 'Body' tab shows a JSON payload with one data object:

```

1 {
2   "kapasitas": 45
3 }

```

The status bar at the bottom right indicates '200 OK' with a response size of 366 ms and 514 B.

- Hapus Kelas RK0231

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** `http://localhost:8000/api/kelas`
- Body:** JSON (empty)
- Response Status:** 200 OK
- Response Body (JSON):**

```

22   "program_studi": "ITDULLAHILAH",
23   "jenjang": "S1",
24   "created_at": "2025-11-06T19:06:46.000000Z",
25   "updated_at": "2025-11-06T19:06:46.000000Z",
26 },
27 ],
28 [
29   {
30     "id_kelas": "RK0231",
31     "nama_kelas": "RPL 2023",
32     "kapasitas": 40,
33     "tahun_ajaran": "2024/2025",
34     "semester": "ganjil",
35     "jurusan": "Rekayasa Perangkat Lunak",
36     "jenjang": "S1",
37     "created_at": "2025-11-06T19:06:58.000000Z",
38     "updated_at": "2025-11-06T19:06:58.000000Z"
39   }
40 ]
41 ]
42 ]
43 ]
44 ]
45 ]
46 ]
47 ]
48 ]
49 ]

```

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** DELETE
- URL:** `http://localhost:8000/api/kelas/RK0231`
- Body:** JSON (empty)
- Response Status:** 200 OK
- Response Body (JSON):**

```

1   {
2     "success": true,
3     "message": "Kelas berhasil dihapus"
4   }

```

- Setelah Dihapus Kelas RK0231

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections: 'API Laravel Toko Bangunan' and 'API SIREKAP UTS PERANCANG WEB'. Under 'API SIREKAP UTS PERANCANG WEB', there are several requests: 'Get All Data', 'Get All Data Dosen', 'Get All Data Mata Kuliah', 'Get All Data Kelas', 'Get All Data Pengajaran', 'Insert Data', 'Tambah Data Users', 'Tambah Data Dosen', 'Tambah Data Mata Kuliah', 'Tambah Data Kelas', 'Ambil Data Dan Edit', 'Ambil Data Users', 'Ambil Data Dosen', 'Ambil Data Mata Kuliah', 'Ambil Data Kelas', 'Hapus Data', and 'Hapus Data Users'. The 'Get All Data Kelas' request is selected. The main panel shows a GET request to 'http://localhost:8000/api/kelas'. The response status is 200 OK, with a response time of 267 ms and a size of 959 B. The response body is a JSON object representing a single class record:

```
{  
    "id_kelas": "KLS003",  
    "nama_kelas": "INF-2C",  
    "kapasitas": 30,  
    "tahun_ajaran": "2024/2025",  
    "semester": "genap",  
    "program_studi": "informatika",  
    "jenjang": "S1",  
    "created_at": "2025-11-05T19:06:46.000000Z",  
    "updated_at": "2025-11-05T19:06:46.000000Z"  
}
```

## 5. Data Pengajaran:

- Tampilkan Data Pengajaran Yang Masih Kosong

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists collections: 'API Laravel Toko Bangunan' and 'API SIREKAP UTS PERANCANG WEB'. Under 'API SIREKAP UTS PERANCANG WEB', there is a 'Get All Data' folder containing several GET requests: 'Get All Data Users', 'Get All Data Dosen', 'Get All Data Mata Kuliah', 'Get All Data Kelas', and 'Get All Data Pengajaran'. The 'Get All Data Pengajaran' request is selected. The main panel displays the request details: method 'GET', URL 'http://localhost:8000/api/pengajaran', and a table for 'Query Params' with one row: 'Key' (Key) and 'Value' (Value). Below this, the 'Body' section shows a JSON response with the following content:

```
1 {  
2   "success": true,  
3   "data": []  
4 }
```

The status bar at the bottom indicates a 200 OK response with 296 ms duration and 247 B size.

## • Insert 3 Data

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists several collections, including 'API SIREKAP UTS PERANCANG WEB'. Under this collection, the 'Insert Data' section is expanded, showing four POST requests: 'Tambah Data Pengajar', 'Tambah Data Dosen', 'Tambah Data Mata Kuliah', and 'Tambah Data Kelas'. The 'Tambah Data Pengajar' request is selected. The 'Body' tab displays a JSON payload:

```
1 {
2     "id_pengajar": "PJR00001",
3     "id_dosen": "DSN001",
4     "id_matakuliah": "MK0001",
5     "id_kelas": "KL5001",
6     "tahun_ajaran": 2024,
7     "semester": "Ganjil"
8 }
```

The 'Test Results' tab shows a successful response with status code 201 Created, indicating the data was successfully saved.

This screenshot is nearly identical to the previous one, showing the same API endpoint and JSON payload. The 'Test Results' tab again shows a successful 201 Created response, indicating another successful insertion.

Screenshot of the Postman application interface showing a successful API call to "Tambah Data Pengajaran".

The left sidebar shows the "My Workspace" section with various collections and environments. The "API SIREKAP UTS PERANCANG WEB" collection is expanded, showing methods like "Get All Data Dosen", "Insert Data", and "Tambah Data Pengajaran".

The main panel displays a POST request to `http://localhost:8000/api/pengajaran`. The "Body" tab is selected, showing the JSON payload:

```
POST http://localhost:8000/api/pengajaran
{
  "id_pengajaran": "P0R00003",
  "id_dosen": "DSN001",
  "id_matakuliah": "MK0015",
  "id_kelas": "KL5003",
  "tahun_ajar": 2024,
  "semester": "Genap"
}
```

The response status is "201 Created" with a response time of "320 ms" and a body size of "507 B". The response JSON is:

```
{
  "success": true,
  "message": "Pengajaran berhasil disimpan",
  "data": [
    {
      "id_pengajaran": "P3R00003",
      "id_dosen": "DSN001",
      "id_matakuliah": "MK0015",
      "id_kelas": "KL5003",
      "tahun_ajar": 2024,
      "semester": "Genap",
      "updated_at": "2025-11-06T19:29:54.000000Z"
    }
  ]
}
```

## • Hasil Setelah Tambah Data

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request:** GET /api/pengajaran
- Body (JSON):**

```

1 {
2   "success": true,
3   "data": [
4     {
5       "id_pengajaran": "PJR00001",
6       "id_dosen": "DSW0001",
7       "id_mata_kuliah": "MK0001",
8       "id_kelas": "KL0001",
9       "tahun_sjzr": 2024,
10      "semester": "Ganjil",
11      "created_at": "2025-11-06T19:26:54.000000Z",
12      "updated_at": "2025-11-06T19:26:54.000000Z",
13      "dosen": [
14        {
15          "id_dosen": "DSW0001",
16          "nid": "1234567890",
17          "name_dosen": "Dr. Ahmad S. Kom., M.Kom., Ph.D.",
18          "gelar": "S.Kom., M.Kom., Ph.D."
19        }
20      ]
21    }
22  ]
23}

```

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request:** GET /api/pengajaran
- Body (JSON):**

```

18 {
19   "success": true,
20   "data": [
21     {
22       "id_pengajaran": "PJR00001",
23       "id_dosen": "DSW0001",
24       "id_mata_kuliah": "MK0001",
25       "id_kelas": "KL0001",
26       "tahun_sjzr": 2024,
27       "semester": "Ganjil",
28       "created_at": "2025-11-06T18:43:11.000000Z",
29       "updated_at": "2025-11-06T18:56:35.000000Z"
30     },
31     {
32       "kelas": [
33         {
34           "id_kelas": "KL0001",
35           "nama_kelas": "INF-2C",
36           "kapasitas": 30,
37           "tahun_sjzr": 2024/2025,
38           "semester": "genap",
39           "program_studi": "Informatika",
40           "jenjang": "D3",
41           "created_at": "2025-11-06T19:06:46.000000Z",
42           "updated_at": "2025-11-06T19:06:46.000000Z"
43         }
44       ]
45     }
46   ]
47 }

```

- Edit Data PJR001

```

{
  "success": true,
  "data": [
    {
      "id_pengajaran": "PJR00001",
      "id_dosen": "DSN001",
      "id_matakuliah": "MK0001",
      "id_kelas": "KLS001",
      "tahun_sjaz": "2024",
      "semester": "Ganjil",
      "created_at": "2025-11-05T19:26:54.000000Z",
      "updated_at": "2025-11-05T20:06:43.000000Z",
      "dosen": {
        "id_dosen": "DSN001",
        "nidn": "1234567890",
        "name_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
        "gelar": "S.Kom., M.Kom., Ph.D."
      }
    }
  ]
}

```

- Setelah diedit

```

{
  "success": true,
  "message": "Pengajaran berhasil diupdate",
  "data": [
    {
      "id_pengajaran": "PJR00001",
      "id_dosen": "DSN001",
      "id_matakuliah": "MK0001",
      "id_kelas": "KLS001",
      "tahun_sjaz": "2025",
      "semester": "Ganjil",
      "created_at": "2025-11-05T19:26:54.000000Z",
      "updated_at": "2025-11-05T20:06:41.000000Z",
      "dosen": {
        "id_dosen": "DSN001"
      }
    }
  ]
}

```

- Hapus Data PJR0002:

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** GET
- URL:** http://localhost:8000/api/pengajaran
- Body:** JSON (empty)
- Response Status:** 200 OK
- Response Body:**

```
{
  "id": "PJR0002",
  "program_studi": "Manajemen",
  "jenjang": "S1",
  "created_at": "2025-11-06T19:08:48.000000Z",
  "updated_at": "2025-11-06T19:13:46.000000Z"
},
{
  "id": "DSN003",
  "id_pengajaran": "PJR0002",
  "id_dosen": "DSN003",
  "id_matakuliah": "MK0015",
  "id_kelas": "KLS002",
  "tahun_ajaran": 2024,
  "semester": "Ganjil",
  "created_at": "2025-11-05T19:28:35.000000Z",
  "updated_at": "2025-11-05T19:28:35.000000Z",
  "dosen": {
    "id": "DSN003",
    "name": "Asep Kurniawan"
  }
}
```

The screenshot shows the Postman interface with the following details:

- Collection:** API SIREKAP UTS PERANCANG WEB
- Request Type:** DELETE
- URL:** http://localhost:8000/api/pengajaran/PJR0002
- Body:** JSON (empty)
- Response Status:** 200 OK
- Response Body:**

```
{
  "success": true,
  "message": "Pengajaran berhasil dihapus"
}
```

- Data Setelah Berhasil Dihapus

```

{
  "success": true,
  "data": [
    {
      "id_pengajaran": "PJR80001",
      "id_dosen": "DSN001",
      "id_matakuliah": "MK001",
      "id_kelas": "KLS001",
      "tahun_ajar": "2025",
      "semester": "Ganjil",
      "created_at": "2025-11-05T19:26:54.000000Z",
      "updated_at": "2025-11-05T20:08:41.000000Z",
      "dosen": [
        {
          "id_dosen": "DSN001",
          "nidn": "1234567890",
          "nama_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
          "gelar": "S.Kom., M.Kom., Ph.D.",
          "no_hp": "081234567890",
          "email": "ahmad.phd@sirekap.ac.id"
        }
      ]
    },
    {
      "id_pengajaran": "PJR80002",
      "id_dosen": "DSN002",
      "id_matakuliah": "MK002",
      "id_kelas": "KLS002",
      "tahun_ajar": "2025",
      "semester": "Ganjil",
      "created_at": "2025-11-05T19:26:54.000000Z",
      "updated_at": "2025-11-05T20:08:41.000000Z",
      "dosen": [
        {
          "id_dosen": "DSN002",
          "nidn": "1234567891",
          "nama_dosen": "Dr. Bambang S.Kom., M.Kom., Ph.D.",
          "gelar": "S.Kom., M.Kom., Ph.D.",
          "no_hp": "081234567891",
          "email": "bambang.phd@sirekap.ac.id"
        }
      ]
    }
  ]
}

```

```

{
  "success": true,
  "data": [
    {
      "id_pengajaran": "PJR80003",
      "id_dosen": "DSN001",
      "id_matakuliah": "MK0015",
      "id_kelas": "KLS003",
      "tahun_ajar": "2024",
      "semester": "Genap",
      "created_at": "2025-11-05T19:29:54.000000Z",
      "updated_at": "2025-11-05T19:29:54.000000Z",
      "dosen": [
        {
          "id_dosen": "DSN001",
          "nidn": "1234567890",
          "nama_dosen": "Dr. Ahmad S.Kom., M.Kom., Ph.D.",
          "gelar": "S.Kom., M.Kom., Ph.D.",
          "no_hp": "081234567890",
          "email": "ahmad.phd@sirekap.ac.id"
        }
      ]
    },
    {
      "id_pengajaran": "PJR80004",
      "id_dosen": "DSN002",
      "id_matakuliah": "MK002",
      "id_kelas": "KLS004",
      "tahun_ajar": "2024",
      "semester": "Genap",
      "created_at": "2025-11-05T19:29:54.000000Z",
      "updated_at": "2025-11-05T19:29:54.000000Z",
      "dosen": [
        {
          "id_dosen": "DSN002",
          "nidn": "1234567891",
          "nama_dosen": "Dr. Bambang S.Kom., M.Kom., Ph.D.",
          "gelar": "S.Kom., M.Kom., Ph.D.",
          "no_hp": "081234567891",
          "email": "bambang.phd@sirekap.ac.id"
        }
      ]
    }
  ]
}

```