

TEKNOLOGI MIKRO SERVICE

LAPORAN HASIL PRAKTIKUM

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Praktikum 4 – Validation and Handler

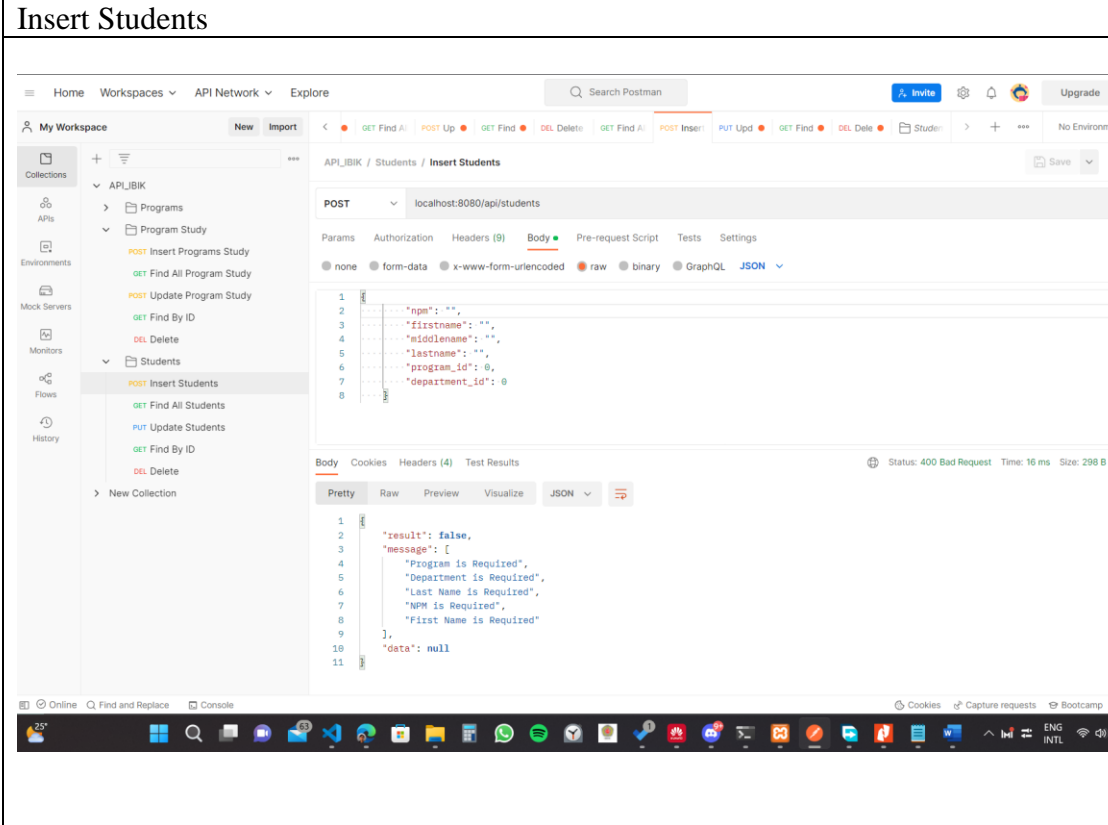
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1. Tabel Students

Insert Students



The screenshot displays a Postman interface for testing an API endpoint. The workspace is titled 'My Workspace' and contains a collection named 'API_IBIK'. Within this collection, there is a folder 'Programs' and a sub-folder 'Program Study'. The 'Students' folder is selected, showing a list of requests: 'POST Insert Students', 'GET Find All Students', 'PUT Update Students', 'GET Find By ID', and 'DEL Delete'. The 'POST Insert Students' request is selected, showing its details. The request is a POST to 'localhost:8080/api/students' with a JSON body. The response is a 400 Bad Request with a message indicating validation errors: 'Program is Required', 'Department is Required', 'Last Name is Required', 'NPM is Required', and 'First Name is Required'. The response body also includes 'data: null'.

Find All Students

Home Workspaces API Network Explore Search Postman Invite Upgrade

My Workspace New Import

API_NETWORK / Students / Find All Students Save

GET localhost:8080/api/students

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results Status: 200 OK Time: 44 ms Size: 708 B

Pretty Raw Preview Visualize JSON

```
1 {
2   "result": true,
3   "message": [],
4   "data": [
5     {
6       "id": 3,
7       "npm": "20231017",
8       "firstname": "Mazpiosa",
9       "middlename": "Pols",
10      "lastname": "Euclair",
11      "program_id": 12334,
12      "department_id": 87
13    }
14  ]
15 }
```

Online Find and Replace Console Cookies Capture requests Bootcamp

Update Students

Home Workspaces API Network Explore Search Postman Invite Upgrade

My Workspace New Import

API_NETWORK / Students / Update Students Save

PUT localhost:8080/api/students

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 {
2   "id": 13,
3   "npm": "1",
4   "firstname": "Handalli",
5   "middlename": "Pols",
6   "lastname": "Parr",
7   "program_id": 12334,
8   "department_id": 87
9 }
```

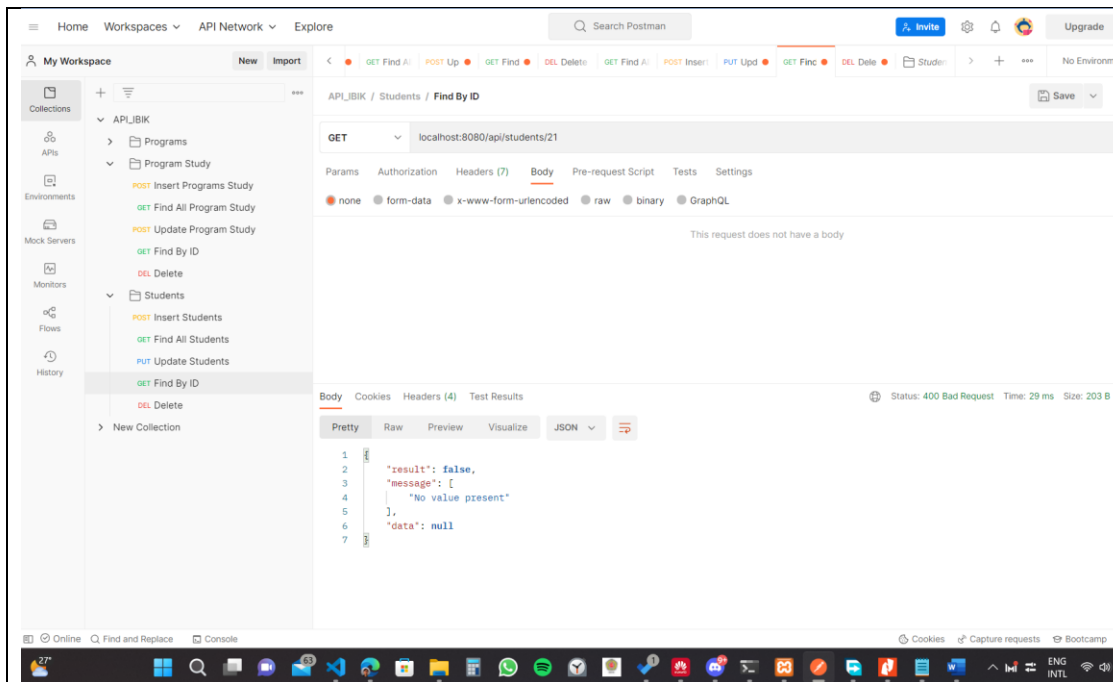
Body Cookies Headers (4) Test Results Status: 400 Bad Request Time: 99 ms Size: 201 B

Pretty Raw Preview Visualize JSON

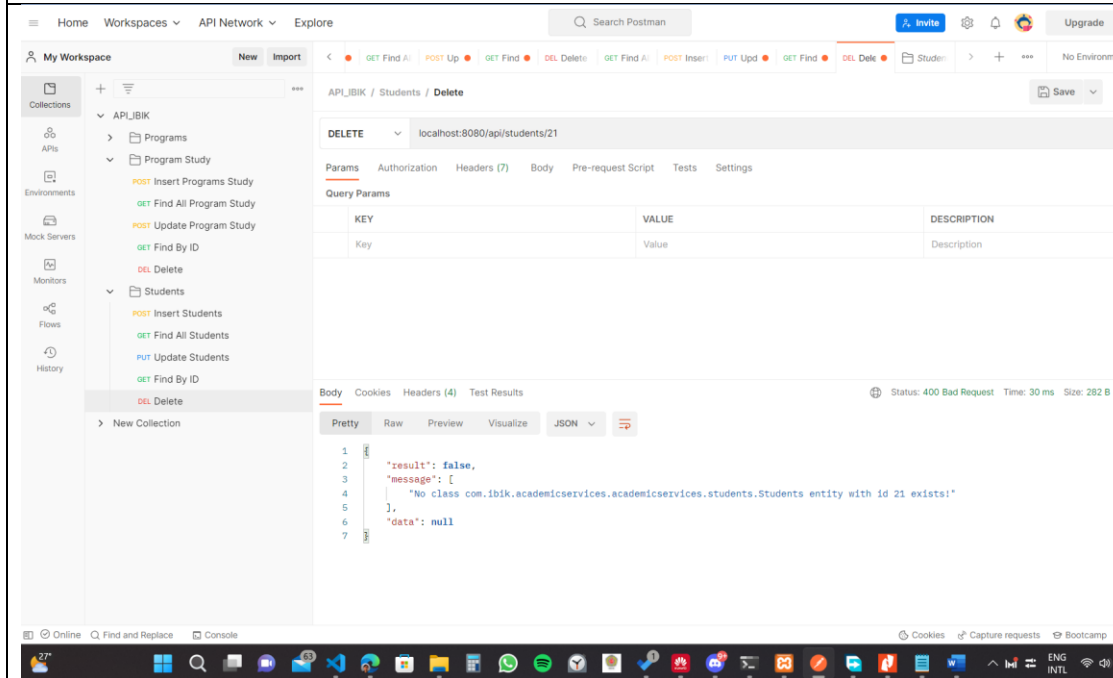
```
1 {
2   "result": false,
3   "message": [
4     "ID is Required"
5   ],
6   "data": null
7 }
```

Online Find and Replace Console Cookies Capture requests Bootcamp

Find By ID



Delete



2. Tabel Program Study

Insert Program Study

Postman interface showing a POST request to `localhost:8080/api/programstudy`. The request body is a JSON object:

```
{  "name": "",  "description": "SI",  "code": "",  "program_id": 0,  "faculty_id": 0,  "department_id": 0,  "is_active": 1}
```

The response status is **400 Bad Request** (Time: 30 ms, Size: 285). The response body is a JSON object:

```
{  "result": false,  "message": [    "Faculty is Required",    "Code is required",    "Program is Required",    "Program is Required",    "Name is required"  ],  "data": null}
```

Find All Program Study

Postman interface showing a GET request to `localhost:8080/api/programstudy`. The response status is **200 OK** (Time: 28 ms, Size: 470). The response body is a JSON object:

```
{  "result": true,  "message": [],  "data": [    {      "id": 2,      "name": "eknologi Informatika",      "description": "IT",      "code": "T13",      "program_id": 1,      "faculty_id": 2,      "department_id": 0    }  ]}
```

Update Program Study

Postman interface showing a PUT request to `localhost:8080/api/programstudy`. The request body is a JSON object:

```
{  "id": 21,  "name": "eknologi Informasi",  "description": "IT",  "code": "T13",  "program_id": 1,  "faculty_id": 2,  "department_id": 8,  "is_active": 1}
```

The response status is 400 Bad Request. The response body is:

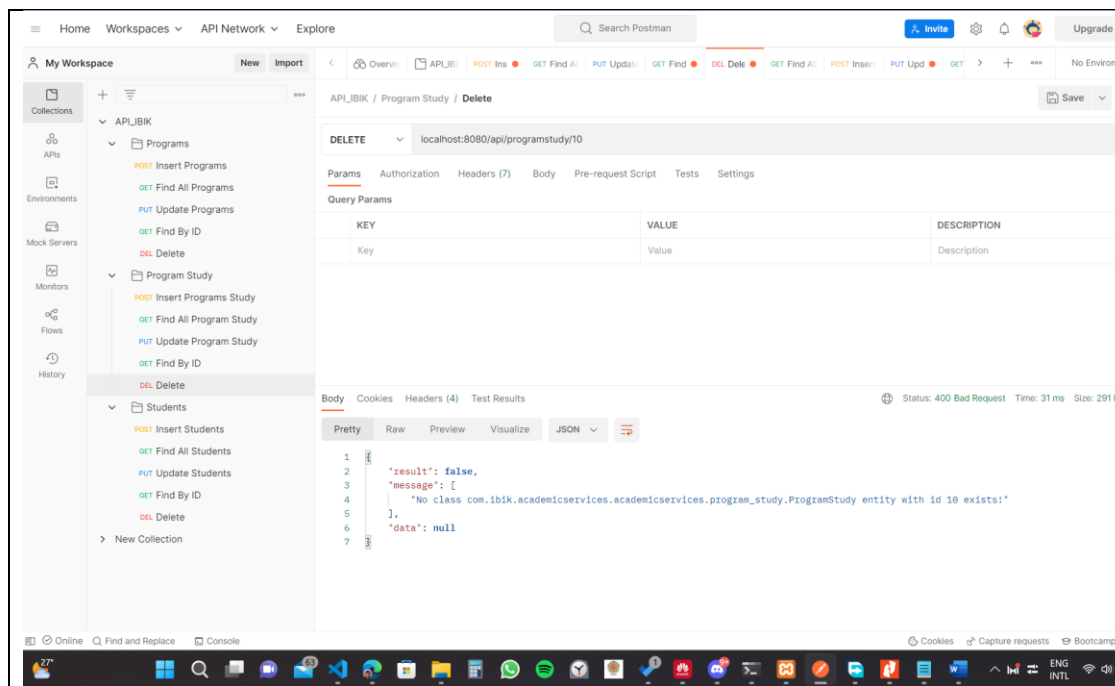
```
{  "result": false,  "message": [    "ID is Required"  ],  "data": null}
```

Find By ID

Postman interface showing a GET request to `localhost:8080/api/programstudy/21`. The response status is 400 Bad Request. The response body is:

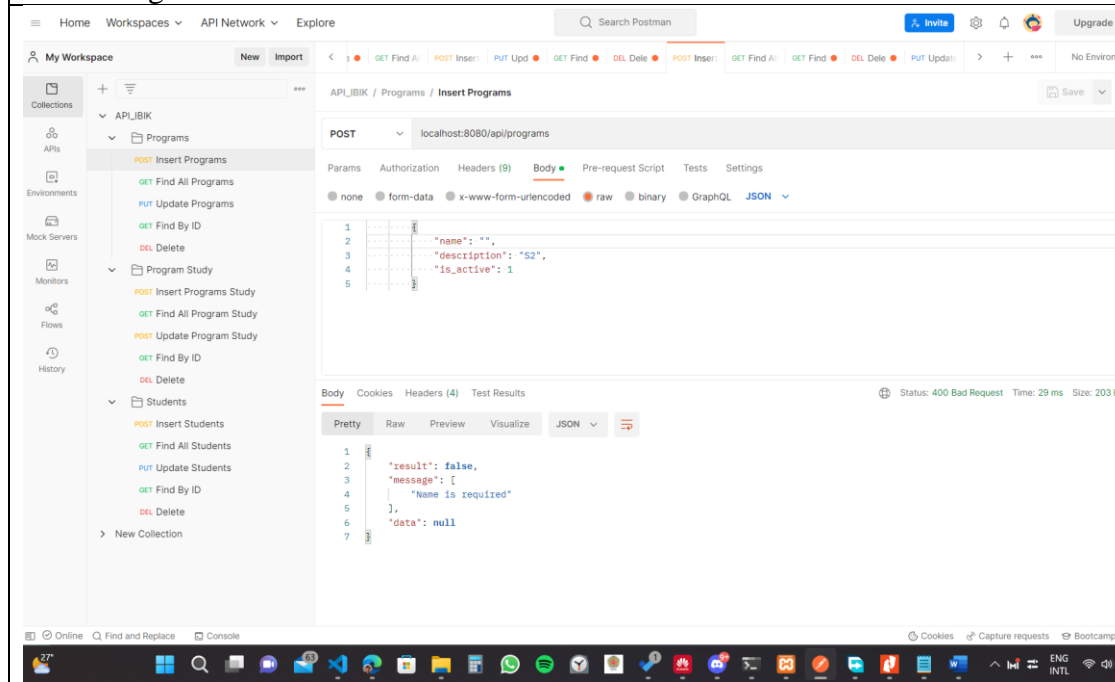
```
{  "result": false,  "message": [    "No value present"  ],  "data": null}
```

Delete



3. Tabel Programs

Insert Programs



Find All Programs

Postman interface showing a GET request to `localhost:8080/api/programs`. The request is successful, returning a 200 OK status. The response body is JSON:

```
{
  "result": true,
  "message": [],
  "data": [
    {
      "id": 2,
      "name": "Magister Degree",
      "description": "S2",
      "is_active": true
    },
    {
      "id": 3,
      "name": "Bachelor Degree",
      "description": "S1",
      "is_active": true
    }
  ]
}
```

Update Programs

Postman interface showing a PUT request to `localhost:8080/api/programs`. The request is failed, returning a 400 Bad Request status. The response body is JSON:

```
{
  "result": false,
  "message": [
    "ID is Required"
  ],
  "data": null
}
```

Find By ID

Postman interface showing a GET request to `localhost:8080/api/programs/10`. The request is selected in the left sidebar under `API_IBIK / Programs / Find By ID`. The response body is displayed in the bottom right pane, showing a JSON object with `"result": false`, `"message": ["No value present"]`, and `"data": null`. The status is 400 Bad Request.

API_IBIK / Programs / Find By ID

GET localhost:8080/api/programs/10

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (4) Test Results Status: 400 Bad Request Time: 17 ms Size: 203 B

Pretty Raw Preview Visualize JSON

```
1 {
2   "result": false,
3   "message": [
4     "No value present"
5   ],
6   "data": null
7 }
```

Delete

Postman interface showing a DELETE request to `localhost:8080/api/programs/10`. The request is selected in the left sidebar under `API_IBIK / Programs / Delete`. The response body is displayed in the bottom right pane, showing a JSON object with `"result": false`, `"message": ["No class com.ibik.academicsservices.academicsservices.programs.Programs entity with id 10 exists!"]`, and `"data": null`. The status is 400 Bad Request.

API_IBIK / Programs / Delete

DELETE localhost:8080/api/programs/10

Params Authorization Headers (7) Body Pre-request Script Tests Settings

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

This request does not have a body

Body Cookies Headers (4) Test Results Status: 400 Bad Request Time: 20 ms Size: 282

Pretty Raw Preview Visualize JSON

```
1 {
2   "result": false,
3   "message": [
4     "No class com.ibik.academicsservices.academicsservices.programs.Programs entity with id 10 exists!"
5   ],
6   "data": null
7 }
```