

Nama : Aldo Spama Putra Suir

No BP : 2001082033

## **Tahapan membuat RESTful API**

**Bussines flow => UI/UX screen => API Documentation => Develop RESTful API**

### **♠ Bussiness Flow**

<b>Form Penduduk</b>
<b>No KTP</b>
<b>Nama</b>
<b>Tempat Tanggal Lahir</b>
<b>Jenis Kelamin</b>
<b>Golongan Darah</b>
<b>Agama</b>
<b>Pekerjaan</b>
<b>Status</b>
<b>Alamat</b>



## UI/UX Screen

# Form Penduduk

No KTP

Nama

Tempat Tanggal Lahir

Jenis Kelamin

Golongan Darah

Agama

Pekerjaan

Status

Alamat

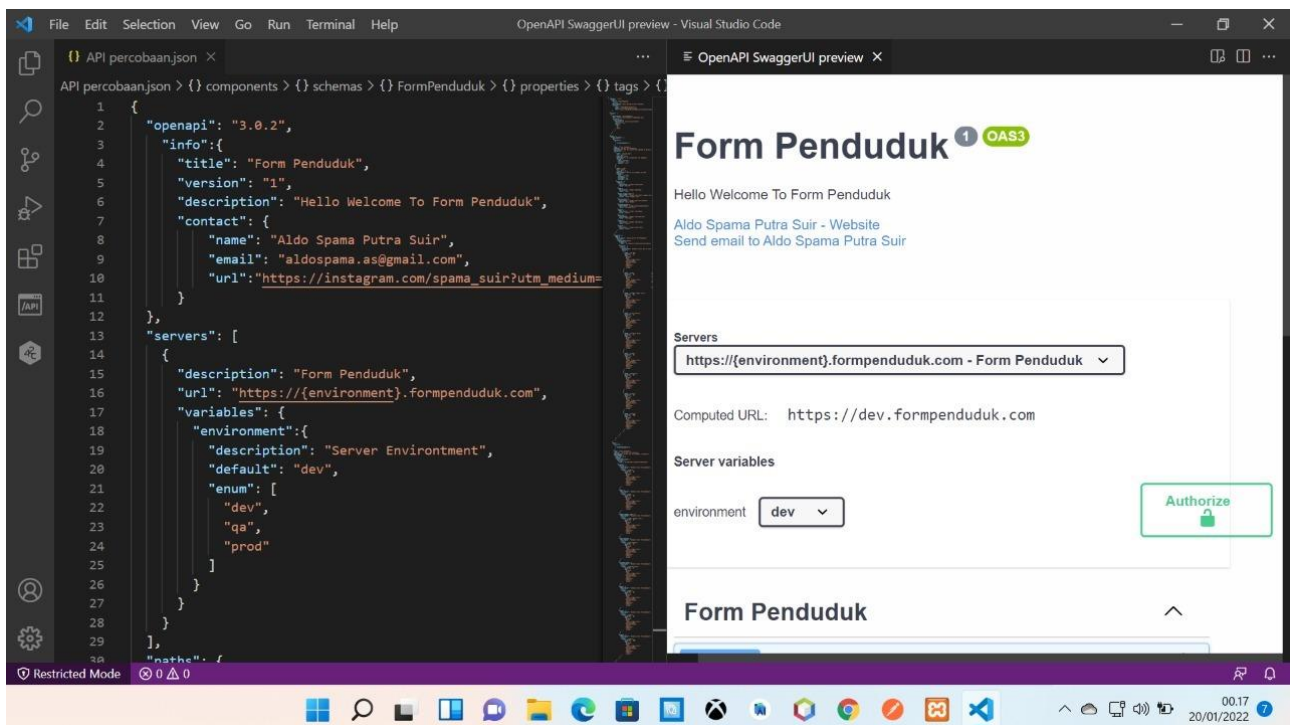
Simpan



## API Documentation

### Form Penduduk

POST/data\_penduduk  
GET/data\_penduduk  
GET/data\_penduduk/:no\_ktp  
PUT/data\_penduduk/:no\_ktp  
DELETE/data\_penduduk/:no\_ktp



OpenAPI SwaggerUI preview - Visual Studio Code

API percobaan.json > {} components > {} schemas > {} FormPenduduk > {} properties > {} tags > {}

```
1 {
2   "openapi": "3.0.2",
3   "info": {
4     "title": "Form Penduduk",
5     "version": "1",
6     "description": "Hello Welcome To Form Penduduk",
7     "contact": {
8       "name": "Aldo Spama Putra Suir",
9       "email": "aldospama.as@gmail.com",
10      "url": "https://instagram.com/spama_suir?utm_medium="
11    }
12  },
13  "servers": [
14    {
15      "description": "Form Penduduk",
16      "url": "https://{environment}.formpenduduk.com",
17      "variables": {
18        "environment": {
19          "description": "Server Environment",
20          "default": "dev",
21          "enum": [
22            "dev",
23            "qa",
24            "prod"
25          ]
26        }
27      }
28    }
29  ],
30  "paths": {
31    "/form_penduduk": {
32      "get": {
33        "summary": "Get All Form Penduduk",
34        "operationId": "getFormPenduduk",
35        "responses": {
36          "200": {
37            "description": "Successful response",
38            "content": {
39              "application/json": {
40                "schema": {
41                  "$ref": "#/components/schemas/FormPenduduk"
42                }
43              }
44            }
45          }
46        }
47      },
48      "post": {
49        "summary": "Create new Form Penduduk",
50        "operationId": "createFormPenduduk",
51        "responses": {
52          "201": {
53            "description": "Created",
54            "content": {
55              "application/json": {
56                "schema": {
57                  "$ref": "#/components/schemas/FormPenduduk"
58                }
59              }
60            }
61          }
62        }
63      },
64      "put": {
65        "summary": "Update Existing Form Penduduk",
66        "operationId": "updateFormPenduduk",
67        "responses": {
68          "200": {
69            "description": "Successful response",
70            "content": {
71              "application/json": {
72                "schema": {
73                  "$ref": "#/components/schemas/FormPenduduk"
74                }
75              }
76            }
77          }
78        }
79      },
80      "delete": {
81        "summary": "Delete Existing Form Penduduk",
82        "operationId": "deleteFormPenduduk",
83        "responses": {
84          "200": {
85            "description": "Successful response",
86            "content": {
87              "application/json": {
88                "schema": {
89                  "$ref": "#/components/schemas/FormPenduduk"
90                }
91              }
92            }
93          }
94        }
95      }
96    }
97  }
98 }
```

Form Penduduk

- GET /form\_penduduk Get All Form Penduduk
- POST /form\_penduduk Create new Form Penduduk
- GET /form\_penduduk/:no\_ktp Get Existing Form Penduduk
- PUT /form\_penduduk/:no\_ktp Update Existing Form Penduduk
- DELETE /form\_penduduk/:no\_ktp Delete Existing Form Penduduk

Schemas

FormPenduduk >

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OpenAPI SwaggerUI preview - Visual Studio Code

API percobaan.json > {} components > {} schemas > {} FormPenduduk > {} properties > {} tags > {}

```
1 {
2   "openapi": "3.0.2",
3   "info": {
4     "title": "Form Penduduk",
5     "version": "1",
6     "description": "Hello Welcome To Form Penduduk",
7     "contact": {
8       "name": "Aldo Spama Putra Suir",
9       "email": "aldospama.as@gmail.com",
10      "url": "https://instagram.com/spama_suir?utm_medium="
11    }
12  },
13  "servers": [
14    {
15      "description": "Form Penduduk",
16      "url": "https://{environment}.formpenduduk.com",
17      "variables": {
18        "environment": {
19          "description": "Server Environment",
20          "default": "dev",
21          "enum": [
22            "dev",
23            "qa",
24            "prod"
25          ]
26        }
27      }
28    }
29  ],
30  "paths": {
31    "/form_penduduk": {
32      "get": {
33        "summary": "Get All Form Penduduk",
34        "operationId": "getFormPenduduk",
35        "responses": {
36          "200": {
37            "description": "Successful response",
38            "content": {
39              "application/json": {
40                "schema": {
41                  "$ref": "#/components/schemas/FormPenduduk"
42                }
43              }
44            }
45          }
46        }
47      },
32      "post": {
33        "summary": "Create new Form Penduduk",
34        "operationId": "createFormPenduduk",
35        "responses": {
36          "201": {
37            "description": "Created",
38            "content": {
39              "application/json": {
40                "schema": {
41                  "$ref": "#/components/schemas/FormPenduduk"
42                }
43              }
44            }
45          }
46        }
47      },
32      "put": {
33        "summary": "Update Existing Form Penduduk",
34        "operationId": "updateFormPenduduk",
35        "responses": {
36          "200": {
37            "description": "Successful response",
38            "content": {
39              "application/json": {
40                "schema": {
41                  "$ref": "#/components/schemas/FormPenduduk"
42                }
43              }
44            }
45          }
46        }
47      },
32      "delete": {
33        "summary": "Delete Existing Form Penduduk",
34        "operationId": "deleteFormPenduduk",
35        "responses": {
36          "200": {
37            "description": "Successful response",
38            "content": {
39              "application/json": {
40                "schema": {
41                  "$ref": "#/components/schemas/FormPenduduk"
42                }
43              }
44            }
45          }
46        }
47      }
48    }
49  }
50 }
```

Form Penduduk

- PUT /form\_penduduk/:no\_ktp Update Existing Form Penduduk
- DELETE /form\_penduduk/:no\_ktp Delete Existing Form Penduduk

Schemas

FormPenduduk >

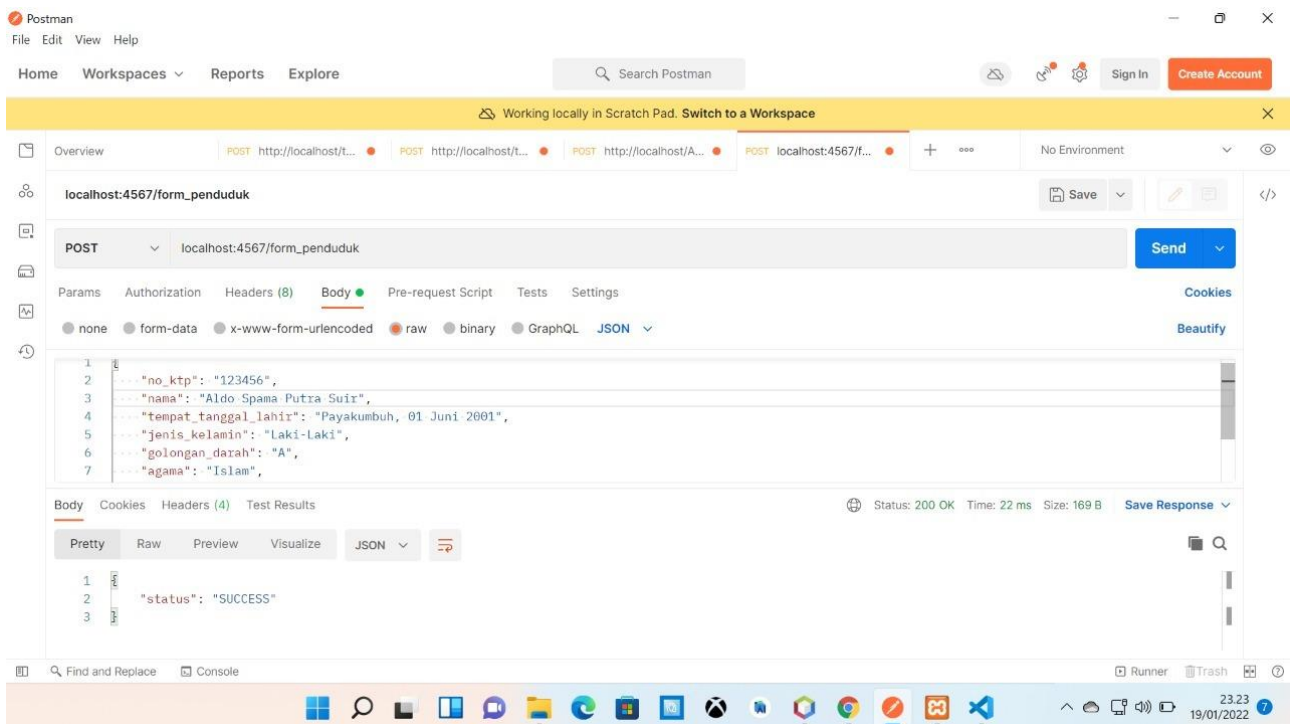
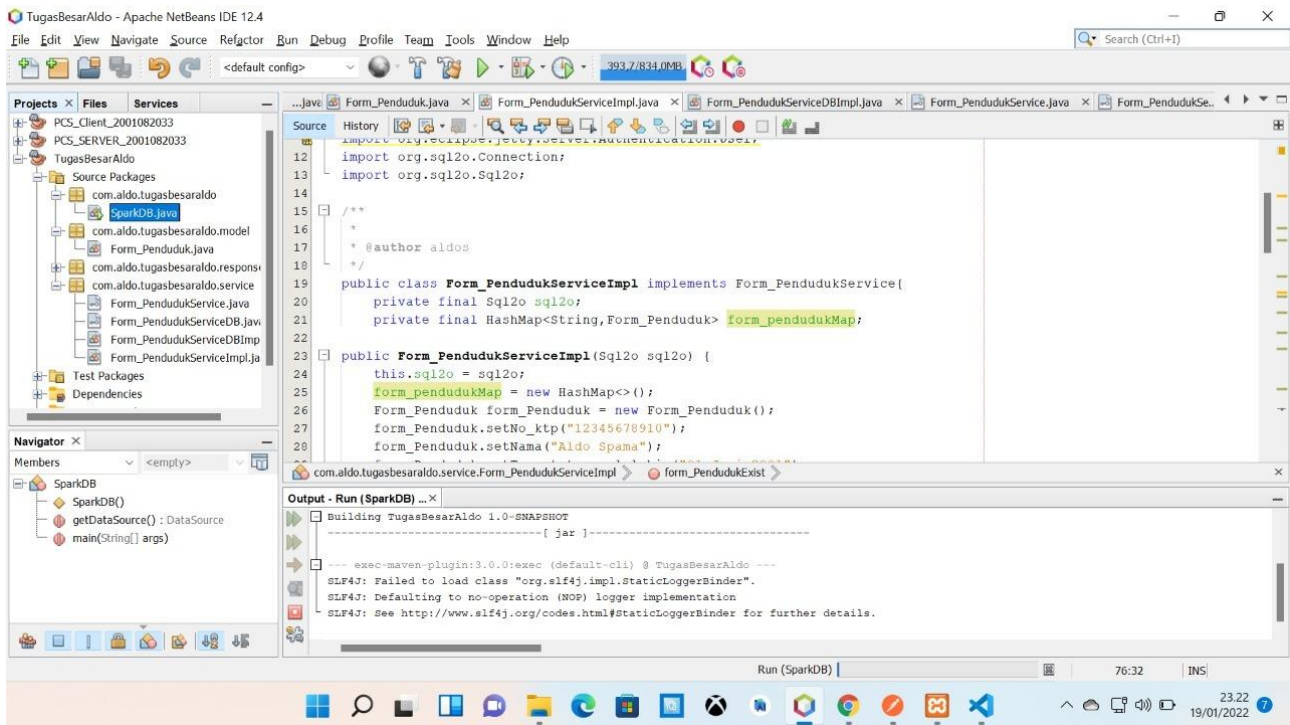
GetFormPenduduk >

UpdateFormPenduduk >

DeleteFormPenduduk >

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## Develop RestFul API



localhost / 127.0.0.1 / pcs\_aldo / x (39) WhatsApp x -ACE- (@spama\_suir) • Instagram x -ACE- (@spama\_suir) • Instagram x +

localhost/phpmyadmin/index.php?route=/sql&server=1&db=pcs\_aldo&table=form\_penduduk&pos=0

phpMyAdmin

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- pcs\_2001082033
- pcs\_aldo
  - New
  - form\_penduduk
- performance\_schema
- phpmyadmin
- test

Server: 127.0.0.1 » Database: pcs\_aldo » Table: form\_penduduk

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 1 (2 total, Query took 0.0024 seconds.)

SELECT \* FROM `form\_penduduk`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

		no_ktp	nama	tempat_tanggal_lahir	jenis_kelamin	golongan_darah	agama	pekerjaan	status	alamat
<input type="checkbox"/>	Edit Copy Delete	12345	Aldo Spama	Payakumbuh, 01 Juni 2001	Laki-Laki	A	Islam	Mahasiswa	Belum Kawin	Padang
<input type="checkbox"/>	Edit Copy Delete	123456	Aldo Spama Putra Suir	Payakumbuh, 01 Juni 2001	Laki-Laki	A	Islam	Mahasiswa	Belum Kawin	Padang

Check all With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Console

API percobaan.json

23.23 19/01/2022