LAMPIRAN

Dokumentasi API Smartfarm

Scheme : HTTP

1. **Register**

**Keterangan**

Digunakan untuk pendaftaran user baru

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| POST | http://localhost/api3/register |

**Parameter**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Parameter** | **Wajib** | **Tipe** | **Keterangan** |
| POST | Username | YA | String | Username dari user |
| POST | Name | YA | String | Nama dari user |
| POST | Email | YA | String | Email dari user |
| POST | Password | YA | String | Password dari user |
| POST | role | YA | int | Role dari user |

**Response**

|  |
| --- |
| **Contoh Response Sukses** |
| {  "message": "Kamu Berhasil terdaftar"  } |
| **Contoh Response Gagal karena parameter kurang lengkap** |
| {  "error": true,  "message": "Required field(s) username, password is missing or empty"  } |
| **Contoh Response Gagal karena email sudah terdaftar** |
| {  "error": true,  "message": "Email kamu sudah terdaftar"  } |

1. **Login**

**Keterangan**

Digunakan untuk login user

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| POST | http://localhost/api3/login |

**Parameter**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Parameter** | **Wajib** | **Tipe** | **Keterangan** |
| POST | email | YA | String | Email dari user |
| POST | password | YA | String | Password dari user |

**Response**

|  |
| --- |
| **Contoh Response Sukses** |
| {  "id": 6,  "name": "user6",  "username": "user6",  "apiKey": "d060570fe0c2efd6e3120565a76f1381",  "activation\_status": 0,  "role": 1,  "expiry\_time": 1501109923  } |
| **Contoh Response Gagal karena parameter kurang lengkap** |
| {  "error": true,  "message": "Required field(s) password is missing or empty"  } |
| **Contoh Response Gagal karena validasi gagal** |
| {  "error": true,  "message": "Login Gagal, Email / Password Salah"  } |

1. **Aktivasi User**

**Keterangan**

Digunakan oleh admin untuk aktivasi user baru

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| PUT | http://localhost/api3/activate/:id |

**Parameter**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Parameter** | **Wajib** | **Tipe** | **Keterangan** |
| GET/HEAD | Api key | YA | String | Token API Key |
| GET | id | YA | String | Id dari user |

**Response**

|  |
| --- |
| **Contoh Response Sukses** |
| {  "status": "Sukses"  } |
| **Contoh Response Gagal karena bukan Admin** |
| {  "status": "Error",  "message": "Anda bukan Admin"  } |
| **Contoh Response Gagal karena tidak ada Api Key** |
| {  "status": "Error",  "message": "Api Key tidak ditemukan"  } |
| **Contoh Response Gagal karena API Key Salah** |
| {  "status": "Error",  "message": "Api Key Salah"  } |

1. **Show Node**

**Keterangan**

Digunakan untuk mengakses resource sensor node

**Request**

|  |  |
| --- | --- |
| **Method** | **URL** |
| GET | http://localhost/api3/shownodes |

**Parameter**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Parameter** | **Wajib** | **Tipe** | **Keterangan** |
| GET/HEAD | Api key | YA | String | Token API Key |

**Response**

|  |
| --- |
| **Contoh Response Sukses** |
| {  "Nodes": [  {  "id": "3",  "node\_id": "0013a20040c2729c",  "name": "azis-3",  "location": "disana",  "lat": "0",  "lon": "0",  "wind\_speed": "0",  "wind\_direction": "1",  "par": "0",  "rainfall": "0",  "leaf\_wetness": "0",  "temperature": "1",  "humidity": "1",  "water\_level": "0",  "soil\_temp": "0",  "moisture": "0",  "user\_id": "1",  "gateway\_id": "gw1",  "battery\_id": "bt1",  "status": "public"  },  {  "id": "4",  "node\_id": "0013a20040c2729c",  "name": "azis-4",  "location": "disana",  "lat": "0",  "lon": "0",  "wind\_speed": "0",  "wind\_direction": "0",  "par": "1",  "rainfall": "0",  "leaf\_wetness": "0",  "temperature": "0",  "humidity": "0",  "water\_level": "0",  "soil\_temp": "0",  "moisture": "1",  "user\_id": "1",  "gateway\_id": "gw1",  "battery\_id": "bt1",  "status": "public"  }  ]  } |
| **Contoh Response Gagal karena tidak ada Api Key** |
| {  "status": "Error",  "message": "Api Key tidak ditemukan"  } |
| **Contoh Response Gagal karena API Key Salah** |
| {  "status": "Error",  "message": "Api Key Salah"  } |
| **Contoh Response Gagal karena API Key Timeout** |
| {  "status": "Error",  "message": "Timeout",  "time\_now": 1501110492,  "time\_expired": 1501110471  } |