HACKATHON – ALPPR

- Base URLs: http://103.104.130.68:82
- HTTP Authentication, scheme: bearer

POST /api/v1.0/login

POST /api/v1.0/login

Endpoint ini digunakan untuk melakukan autentikasi pengguna. Jika username dan password valid, maka akan diberikan JWT `access_token` yang dapat digunakan untuk mengakses endpoint yang dilindungi (protected routes).

Headers

Key	Value
Content-Type	application/json

Parameter

Parameter	Tipe	Deskripsi
username	string	Username user account
password	string	Password user account

> Body Parameters

```
{
  "username": "admin",
  "password": "abcd"
}
```

Params

Name	Location	Type	Required	Description

Name	Location	Type	Required	Description
body	body	object	no	none
» username	body	string	yes	none
» password	body	string	yes	none

Response Examples

200 Response

```
{
  "responseCode": 200,
  "responseStatus": "Success",
  "responseMessage": "Login successful",
  "responseDetails": {
    "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJmcmVzaCI6ZmF
  },
  "errorMessage": null
}
```

400 Response

```
{
  "responseCode": 400,
  "responseStatus": "Error",
  "responseMessage": "Unexpected fields",
  "responseDetails": null,
  "errorMessage": "Invalid fields in request: pswd"
}
```

Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline
400	Bad Request	none	Inline

Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	object	true	none		none
»» access_token	string	true	none		none
» errorMessage	null	true	none		none

HTTP Status Code **400**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	null	true	none		none
» errorMessage	string	true	none		none

POST /api/v1.0/detection

POST /api/v1.0/detection

Endpoint ini digunakan untuk melakukan deteksi OCR (Optical Character Recognition) terhadap gambar kendaraan. Sistem akan mendeteksi plat nomor dari gambar yang dikirimkan dan mengembalikan informasi terkait seperti nomor plat, jenis kendaraan, dan tautan gambar hasil deteksi.

Headers

Key	Value
Authorization	Bearer
Content-Type	application/json

Parameter

Parameter	Tipe	Deskripsi

Parameter	Tipe	Deskripsi
`vehicle_type`	string	Jenis kendaraan (`motorcycle` atau `car`)
`image_path`	string	Path lokal gambar atau Base64-encoded string gambar kendaraan

| Body Parameters

```json
{
  "vehicle_type": "motorcycle",
  "image_path": "/Users/eki/File Eki/2023 - 2024/Kerjaan/Hackathon/Testir
}
```

Params

Name	Location	Type	Required	Description
body	body	object	no	none
» vehicle_type	body	string	yes	none
» image_path	body	string	yes	none

| Response Examples

| 200 Response

```json
{
  "responseCode": 200,
  "responseStatus": "Success",
  "responseMessage": "Plat nomor berhasil disimpan.",
  "responseDetails": {
    "plate_number": "B2156TOR",
    "type": "Unknown",
    "color": "UNKNOWN",
    "detected_path": "http://103.104.130.68/Storage/Uploads/142_img_base6
    "original_path": "http://103.104.130.68/Storage/Uploads/142_img_base6
    "crop_path": "http://103.104.130.68/Storage/Uploads/142_img_base64/im
  },
  "errorMessage": null
}
```

| 400 Response

```
{
  "responseCode": 400,
  "responseStatus": "Error",
  "responseMessage": "Invalid vehicle type",
  "responseDetails": null,
  "errorMessage": "Tipe kendaraan tidak valid."
}
```

401 Response

```
{
  "responseCode": 401,
  "responseStatus": "Error",
  "responseMessage": "Token expired",
  "responseDetails": null,
  "errorMessage": "Your access token has expired. Please log in again."
}
```

Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline
400	Bad Request	none	Inline
401	Unauthorized	none	Inline

Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	object	true	none		none
»» plate_number	string	true	none		none
»» type	string	true	none		none

Name	Type	Required	Restrictions	Title	description
»» color	string	true	none		none
»» detected_path	string	true	none		none
»» original_path	string	true	none		none
»» crop_path	string	true	none		none
» errorMessage	null	true	none		none

HTTP Status Code **400**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	null	true	none		none
» errorMessage	string	true	none		none

HTTP Status Code **401**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	null	true	none		none
» errorMessage	string	true	none		none

GET /api/v1.0/history

GET /api/v1.0/history

Endpoint ini digunakan untuk mengambil daftar riwayat hasil deteksi plat nomor kendaraan yang telah dilakukan sebelumnya. Hasil ditampilkan dalam bentuk paginasi.

Headers

Key	Value
Authorization	Bearer
Content-Type	application/json

Parameter

Parameter	Tipe	Deskripsi
page	number	Nomor halaman untuk paginasi
per_page	number	Tampilan data per halaman

Params

Name	Location	Type	Required	Description
page	query	string	yes	Data pada halaman yang ingin ditampilkan
per_page	query	string	yes	Jumlah data pada satu halamana, yang ingin ditampilkan

Response Examples

200 Response

```
{
  "responseCode": 200,
  "responseStatus": "Success",
  "responseMessage": "History retrieved successfully",
  "responseDetails": {
    "data": [
      {
        "id": "b4d2565d-69fd-44bc-b36c-b9452ebc4512",
        "plate_number": "B2156TOR",
        "image_path": "Storage/Uploads/142_img_base64/img64_detected_full
        "type": "Unknown",
        "color": "UNKNOWN",
        "timestamp": "2025-06-07T02:28:41",
        "is_validated": false
      },
      {
        "id": "06eb32e4-3232-4977-a59a-fb9345f22cd4",
        "plate_number": "CIOGO",
```

```json
      "image_path": "Storage/Uploads/139_img_base64/img64_detected_full
      "type": "Unknown",
      "color": "UNKNOWN",
      "timestamp": "2025-06-07T02:03:08",
      "is_validated": false
    },
    {
      "id": "806eb948-3743-4537-9ff4-fbfc8da98b6f",
      "plate_number": "03019",
      "image_path": "Storage/Uploads/134_img_base64/img64_detected_full
      "type": "Civil",
      "color": "Hitam Putih",
      "timestamp": "2025-06-07T02:01:14",
      "is_validated": false
    },
    {
      "id": "37c7d44e-0747-479d-ab20-43b4c0db3ff7",
      "plate_number": "09-13",
      "image_path": "Storage/Uploads/127_img_base64/img64_detected_full
      "type": "Civil",
      "color": "Hitam Putih",
      "timestamp": "2025-06-07T02:00:08",
      "is_validated": false
    },
    {
      "id": "b798e7cd-693a-4669-b669-c48ed7ede239",
      "plate_number": "03010",
      "image_path": "Storage/Uploads/123_img_base64/img64_detected_full
      "type": "Civil",
      "color": "Hitam Putih",
      "timestamp": "2025-06-07T01:56:20",
      "is_validated": true
    },
    {
      "id": "fabec04b-e03e-4f16-bf61-a6f7dbcfa023",
      "plate_number": "ON3069Y",
      "image_path": "Storage/Uploads/109_img_base64/img64_detected_full
      "type": "Unknown",
      "color": "UNKNOWN",
      "timestamp": "2025-06-07T01:41:27",
      "is_validated": false
    },
    {
      "id": "6e7ccc66-d238-4a16-a7b9-18d56848a7e3",
```

```json
      "plate_number": "DN3069YY",
      "image_path": "Storage/Uploads/97_img_base64/img64_detected_full.
      "type": "Unknown",
      "color": "UNKNOWN",
      "timestamp": "2025-06-07T01:37:44",
      "is_validated": false
    },
    {
      "id": "6990424f-9d6c-45f2-b367-2a0bf91f1b69",
      "plate_number": "DN3069",
      "image_path": "Storage/Uploads/96_img_base64/img64_detected_full.
      "type": "Unknown",
      "color": "UNKNOWN",
      "timestamp": "2025-06-07T01:37:24",
      "is_validated": false
    },
    {
      "id": "d0615cbc-98bd-4930-90f5-e890c141c039",
      "plate_number": "ON3069",
      "image_path": "Storage/Uploads/92_img_base64/img64_detected_full.
      "type": "Unknown",
      "color": "UNKNOWN",
      "timestamp": "2025-06-07T01:36:09",
      "is_validated": false
    },
    {
      "id": "a111aa24-c7b9-443e-8606-563982501f33",
      "plate_number": "85875SX2",
      "image_path": "Storage/Uploads/90_img_base64/img64_detected_full.
      "type": "Civil",
      "color": "Hitam Putih",
      "timestamp": "2025-06-07T00:18:47",
      "is_validated": false
    }
  ],
  "pagination": {
    "page": 1,
    "per_page": 10,
    "total_items": 43,
    "total_pages": 5,
    "has_next": true,
    "has_prev": false
  }
},
```

```
    "errorMessage": null
  }
```

400 Response

```
{
  "responseCode": 400,
  "responseStatus": "Error",
  "responseMessage": "No history found",
  "responseDetails": null,
  "errorMessage": "No Data"
}
```

401 Response

```
{
  "responseCode": 401,
  "responseStatus": "Error",
  "responseMessage": "Token expired",
  "responseDetails": null,
  "errorMessage": "Your access token has expired. Please log in again."
}
```

Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline
400	Bad Request	none	Inline
401	Unauthorized	none	Inline

Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none

Name	Type	Required	Restrictions	Title	description
» responseDetails	object	true	none		none
»» data	[object]	true	none		none
»»» id	string	true	none		none
»»» plate_number	string	true	none		none
»»» image_path	string	true	none		none
»»» type	string	true	none		none
»»» color	string	true	none		none
»»» timestamp	string	true	none		none
»»» is_validated	boolean	true	none		none
»» pagination	object	true	none		none
»»» page	integer	true	none		none
»»» per_page	integer	true	none		none
»»» total_items	integer	true	none		none
»»» total_pages	integer	true	none		none
»»» has_next	boolean	true	none		none
»»» has_prev	boolean	true	none		none
» errorMessage	null	true	none		none

HTTP Status Code **400**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	null	true	none		none
» errorMessage	string	true	none		none

HTTP Status Code **401**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none

Name	Type	Required	Restrictions	Title	description
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	null	true	none		none
» errorMessage	string	true	none		none

POST /api/v1.0/validate

POST /api/v1.0/validate

Endpoint ini digunakan untuk memvalidasi nomor plat kendaraan terhadap data yang tersedia. Sistem akan mengecek apakah plat tersebut valid dan mengembalikan informasi detail terkait, seperti jenis plat, warna, dan waktu validasi.

Headers

Key	Value
Content-Type	application/json

Body Parameters

```
{
  "plate_number": "B 1234 ABC"
}
```

Params

Name	Location	Type	Required	Description
body	body	object	no	none
» plate_number	body	string	yes	none

Response Examples

200 Response

```
{
  "errorMessage": null,
  "responseCode": 200,
  "responseDetails": {
    "color": "Hitam Putih",
    "id": "b798e7cd-693a-4669-b669-c48ed7ede239",
    "image_path": "Storage/Uploads/123_img_base64/img64_detected_full.jpg",
    "is_validated": true,
    "plate_number": "03010",
    "timestamp": "2025-06-07T01:56:20",
    "type": "Civil"
  },
  "responseMessage": "Plate validated successfully",
  "responseStatus": "Success"
}
```

401 Response

```
{
  "responseCode": 401,
  "responseStatus": "Error",
  "responseMessage": "Invalid token",
  "responseDetails": null,
  "errorMessage": "Not enough segments"
}
```

404 Response

```
{
  "errorMessage": null,
  "responseCode": 404,
  "responseDetails": null,
  "responseMessage": "Plate not found",
  "responseStatus": "Error"
}
```

Responses

HTTP Status Code	Meaning	Description	Data schema
200	OK	none	Inline

HTTP Status Code	Meaning	Description	Data schema
401	Unauthorized	none	Inline
404	Not Found	none	Inline

Responses Data Schema

HTTP Status Code **200**

Name	Type	Required	Restrictions	Title	description
» errorMessage	null	true	none		none
» responseCode	integer	true	none		none
» responseDetails	object	true	none		none
»» color	string	true	none		none
»» id	string	true	none		none
»» image_path	string	true	none		none
»» is_validated	boolean	true	none		none
»» plate_number	string	true	none		none
»» timestamp	string	true	none		none
»» type	string	true	none		none
» responseMessage	string	true	none		none
» responseStatus	string	true	none		none

HTTP Status Code **401**

Name	Type	Required	Restrictions	Title	description
» responseCode	integer	true	none		none
» responseStatus	string	true	none		none
» responseMessage	string	true	none		none
» responseDetails	null	true	none		none
» errorMessage	string	true	none		none

HTTP Status Code **404**

Name	Type	Required	Restrictions	Title	description

Name	Type	Required	Restrictions	Title	description
» errorMessage	null	true	none		none
» responseCode	integer	true	none		none
» responseDetails	null	true	none		none
» responseMessage	string	true	none		none
» responseStatus	string	true	none		none