

## Uji Fungsionalitas – Soal B.b

Soal:

Buatkan module baru di Odoo dengan field sebagai berikut:

1. Nama (char)
2. Tanggal (datetime)
3. Tipe (selection: Check In / Check Out)
4. Longitude (float)
5. Latitude (float)

Kemudian buatkan API untuk dikonsumsi oleh aplikasi lain.

1. GET.

Query params:

- start date
- end date

Response:

```
{  
    "Code": 200  
    "Message": "Success"  
    "Data": [{"  
        "nama": "Nama",  
        "tanggal": "Tanggal",  
        "tipe": "Tipe"  
        "longitude": "Longitude",  
        "latitude": "Latitude"  
    }]  
}
```

2. POST

Body:

```
{  
    "nama": "Nama",  
    "tanggal": "Tanggal",  
    "tipe": "Tipe"  
    "longitude": "Longitude",  
    "latitude": "Latitude"  
}
```

Response:

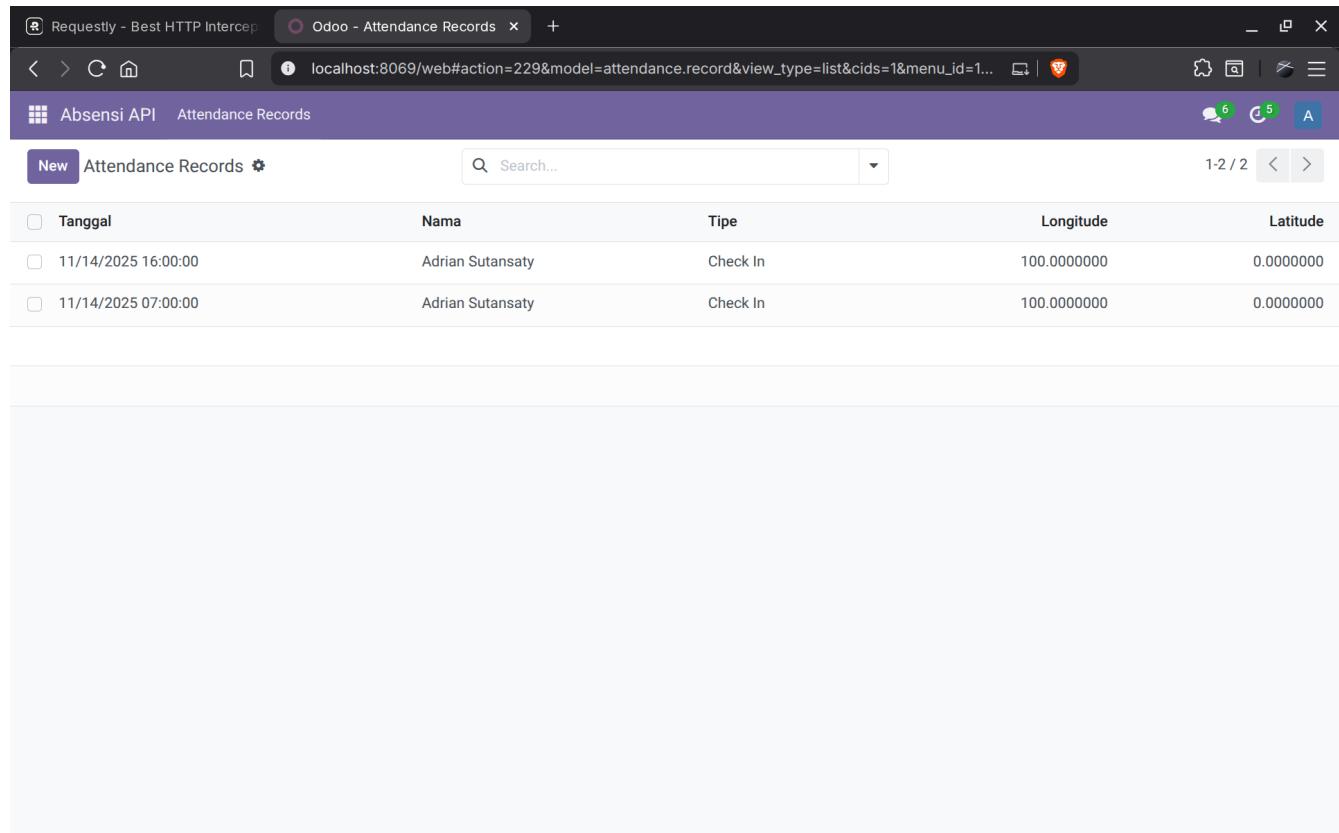
```
{  
    "Code": 200  
    "Message": "Success"  
}
```

Untuk kedua request tersebut, harap tambahkan metode autentikasi (metode nya bebas yang menurut Anda secure)

## Pengujian:

### 1. Modul yg terdiri dari:

1. Nama (char)
2. Tanggal (datetime)
3. Tipe (selection: Check In / Check Out)
4. Longitude (float)
5. Latitude (float)

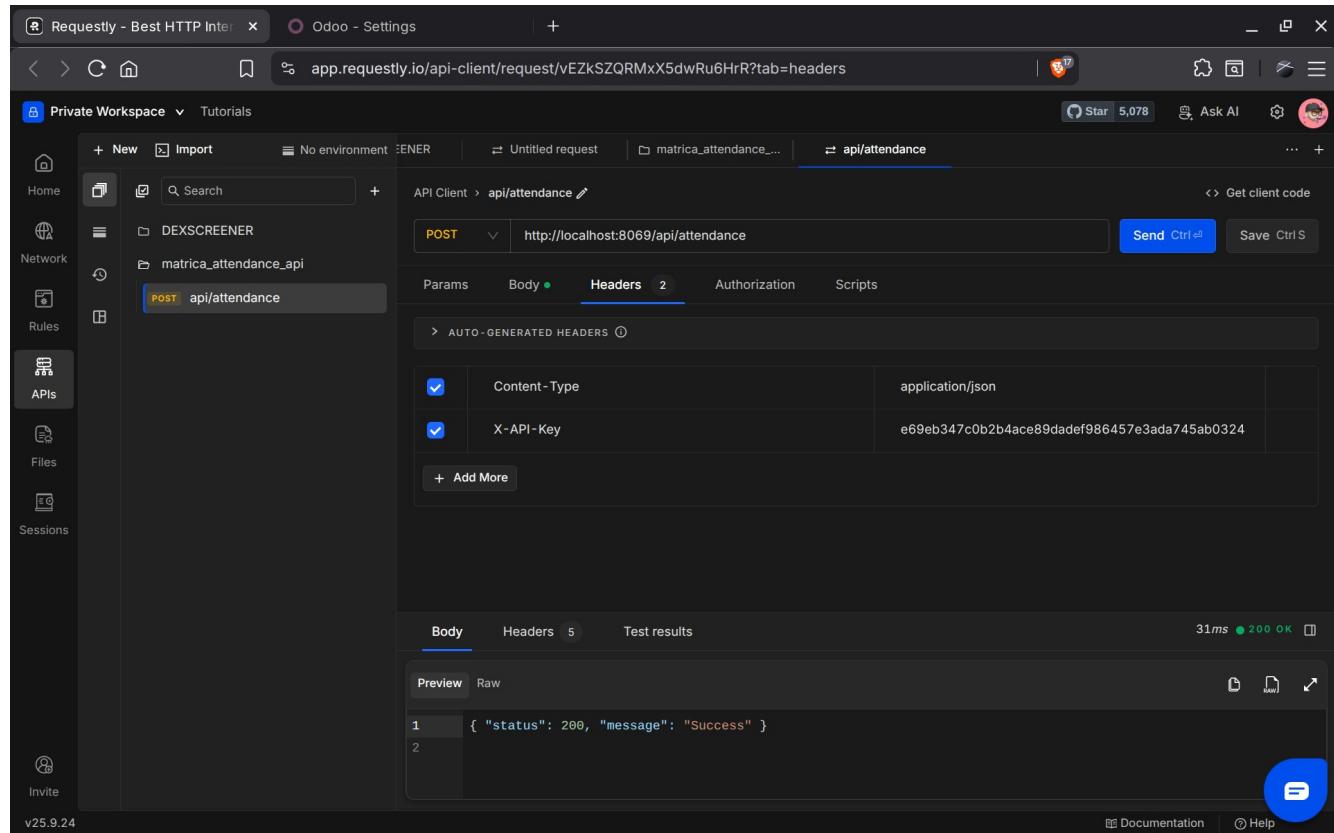


The screenshot shows a web browser window with the URL `localhost:8069/web#action=229&model=attendance.record&view_type=list&cids=1&menu_id=1...`. The page title is "Odoo - Attendance Records". The main content is a table titled "Attendance Records" with the following data:

<input type="checkbox"/> Tanggal	Nama	Tipe	Longitude	Latitude
<input type="checkbox"/> 11/14/2025 16:00:00	Adrian Sutansaty	Check In	100.0000000	0.0000000
<input type="checkbox"/> 11/14/2025 07:00:00	Adrian Sutansaty	Check In	100.0000000	0.0000000

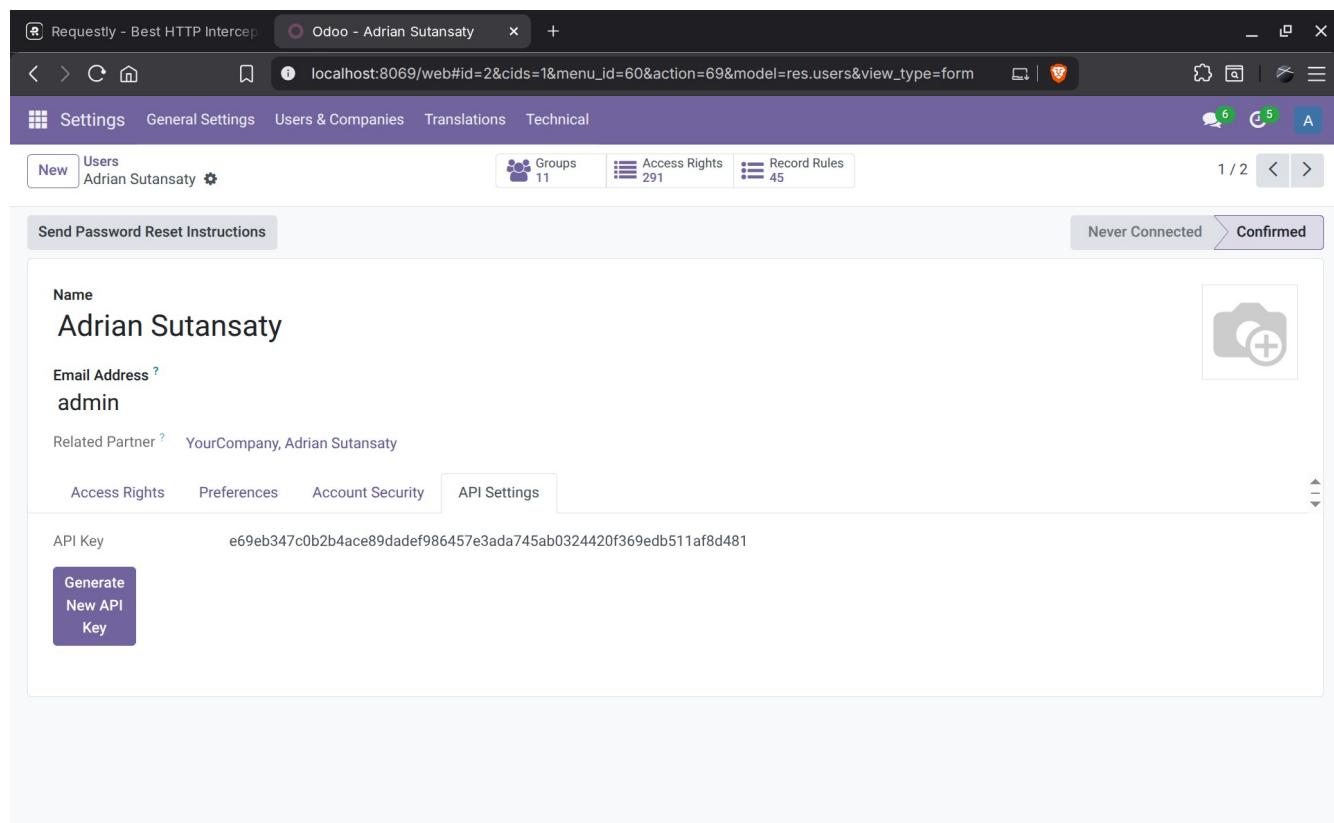
## 2. Pengujian Endpoint

Improvisasi: saya menambahkan field “api\_key” sebagai inheritance dari model User, untuk digunakan sebagai metode autentikasi yang aman & mencegah penyalahgunaan.



The screenshot shows the Requestly interface. On the left sidebar, there are sections for Home, Network, Rules, APIs (selected), Files, Sessions, and Invite. The main area shows a POST request to `http://localhost:8069/api/attendance`. The Headers tab is selected, showing two entries: `Content-Type: application/json` and `X-API-Key: e69eb347c0b2b4ace89dade986457e3ada745ab0324`. Below the headers, the Body tab shows a JSON response: `{ "status": 200, "message": "Success" }`. The status bar at the bottom indicates `31ms 200 OK`.

api\_key ini unique (berbeda-beda tiap user). Diasumsikan, aplikasi yang menggunakan endpoint ini memiliki sistem login & menyimpan kredensial api\_key untuk autentikasi.  
Generate api\_key dapat dilakukan melalui menu User.



The screenshot shows the Odoo user settings page. At the top, it says `Odoo - Adrian Sutansaty`. Below that, there are tabs for Settings, General Settings, Users & Companies, Translations, and Technical. The Users & Companies tab is selected. In the main content area, there is a table with columns for Name, Email Address, and Photo. The Name column shows `Adrian Sutansaty`, the Email Address column shows `admin`, and the Photo column has a camera icon with a plus sign. Below the table, there is a section for API Key, which displays the value `e69eb347c0b2b4ace89dade986457e3ada745ab0324420f369edb511af8d481`. A button labeled `Generate New API Key` is visible at the bottom of this section.

## Pengujian POST /api/attendance sebagai skenario mensubmit absensi (check\_in & check\_out)

The screenshot shows the Requestly interface for testing an API endpoint. The URL is `http://localhost:8069/api/attendance`. The method is set to `POST`. The body contains the following JSON payload:

```
1 {
2   "nama": "Adrian Sutansaty",
3   "tanggal": "2025-11-14 17:00:00",
4   "tipe": "check_out",
5   "longitude": 100.000,
6   "latitude": -0.000
7 }
```

The response preview shows a successful 200 OK status with the message "Success".

## Pengujian GET /api/attendance sebagai skenario mengecek absensi

The screenshot shows the Requestly interface for testing an API endpoint. The URL is `http://localhost:8069/api/attendance?start_date=2025-11-14 09:00:00&end_date=2025-11-14 17:00:00`. The method is set to `GET`. The query parameters are:

Parameter	Value
start_date	2025-11-14 09:00:00
end_date	2025-11-14 17:00:00

The response preview shows a successful 200 OK status with the message "Success" and a data array containing two entries, each representing a check-in and check-out record for the specified date range.

## Uji Skenario GAGAL jika api key salah

The screenshot shows the Requestly interface. On the left sidebar, under 'APIs', there is a section for 'DEXSCREENER' which contains a 'matrica\_attendance\_api' entry. A 'POST' request to 'api/attendance' is selected. In the 'Headers' tab, two headers are defined: 'Content-Type: application/json' and 'X-API-Key: INISALAH69eb347c0b2b4ace89dade986457e3ada74'. The 'Body' tab shows a JSON response: { "status": 401, "message": "Unauthorized: Invalid or missing API Key" }. The status bar at the bottom indicates '18ms' and '401 UNAUTHORIZED'.

## Data hasil input juga dapat dicek di menu Attendance Record

The screenshot shows the Odoo Attendance Records interface. The top navigation bar includes 'Absensi API' and 'Attendance Records'. The main content area displays a list of attendance records:

Tanggal	Nama	Tipe	Longitude	Latitude
11/14/2025 16:00:00	Adrian Sutansaty	Check In	100.0000000	0.0000000
11/14/2025 07:00:00	Adrian Sutansaty	Check In	100.0000000	0.0000000