

Hello Everyone, I Am

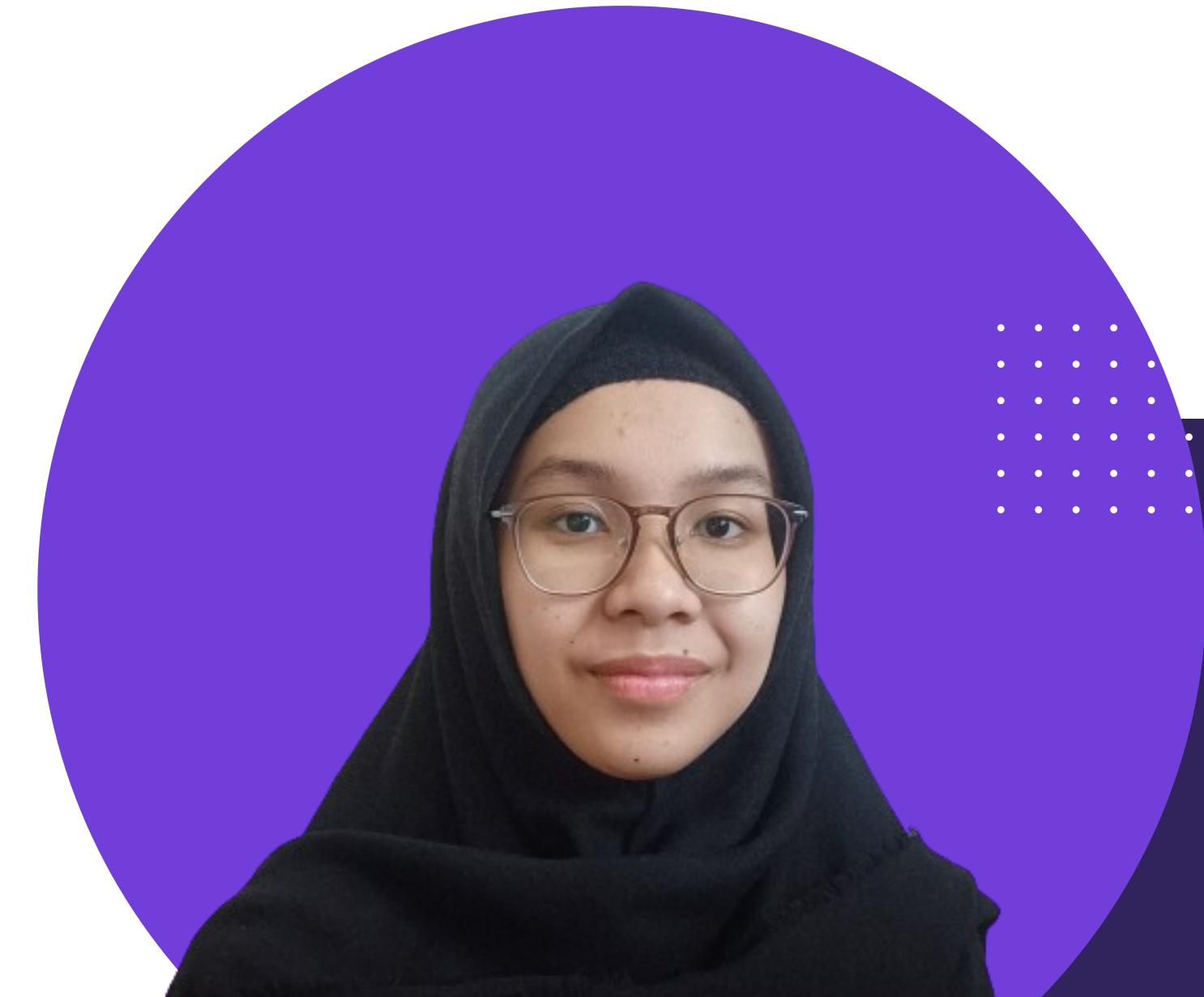
Raisa Salsabil Yusriyya

Fourth-Year Information Engineering
Student at UGM

Contact Me

Download
Resume

GitHub



Skills and Tech Stacks

GitHub:

<https://github.com/raisasalsably>

Skill focus:



- Front-end web development
- Back-end web development
- Database management
- UI/UX Design

Tech stacks used:

React.js, Node.js, Express.js, MongoDB, TailwindCSS, HTML5, CSS3, Javascript, Sass, Git, C#, PostgreSQL, MySQL, Python, Azure, AWS, Figma



My Projects

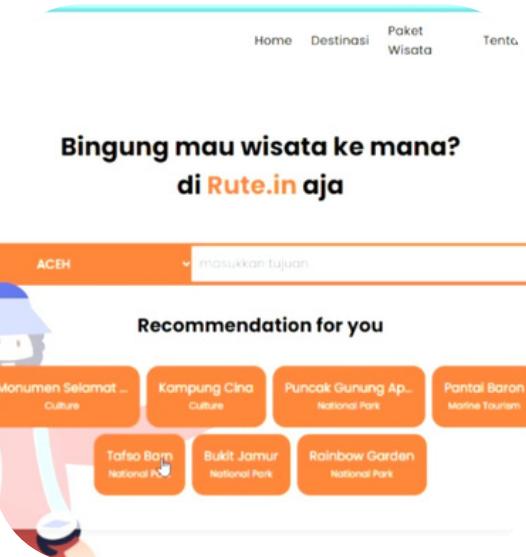
KandangKoo



Web App for IoT-based Monitoring and Automation System for Integrated Laying Hens Cage Environment



Jogja Smart Service (JSS) - Frequently Asked Questions (FAQ) Page



Rute.in - Tourism Route Recommendation Web App



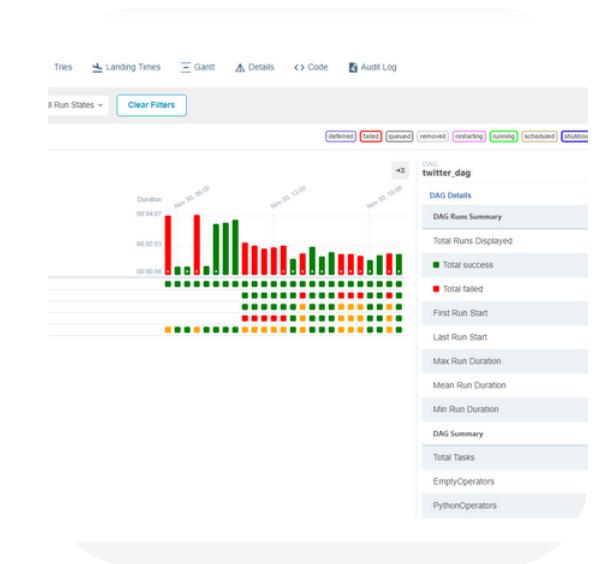
BiSA - Campus Bike Rent Web Application



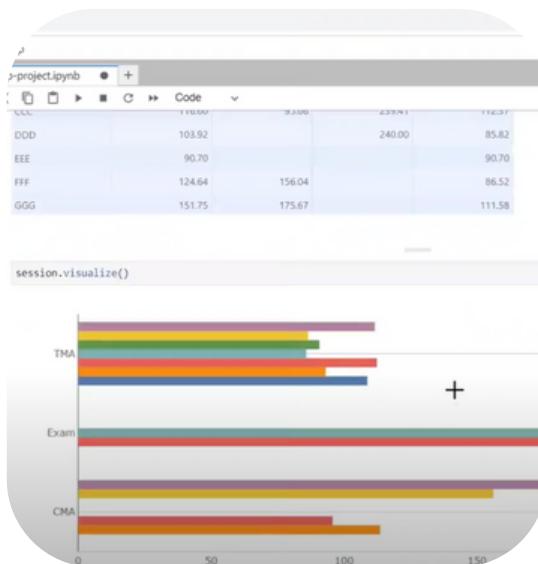
"Desa Sehat" Website



"DietKuy" Desktop Application



Twitter and Instagram API Data Classification and Clustering using Automated Workflow

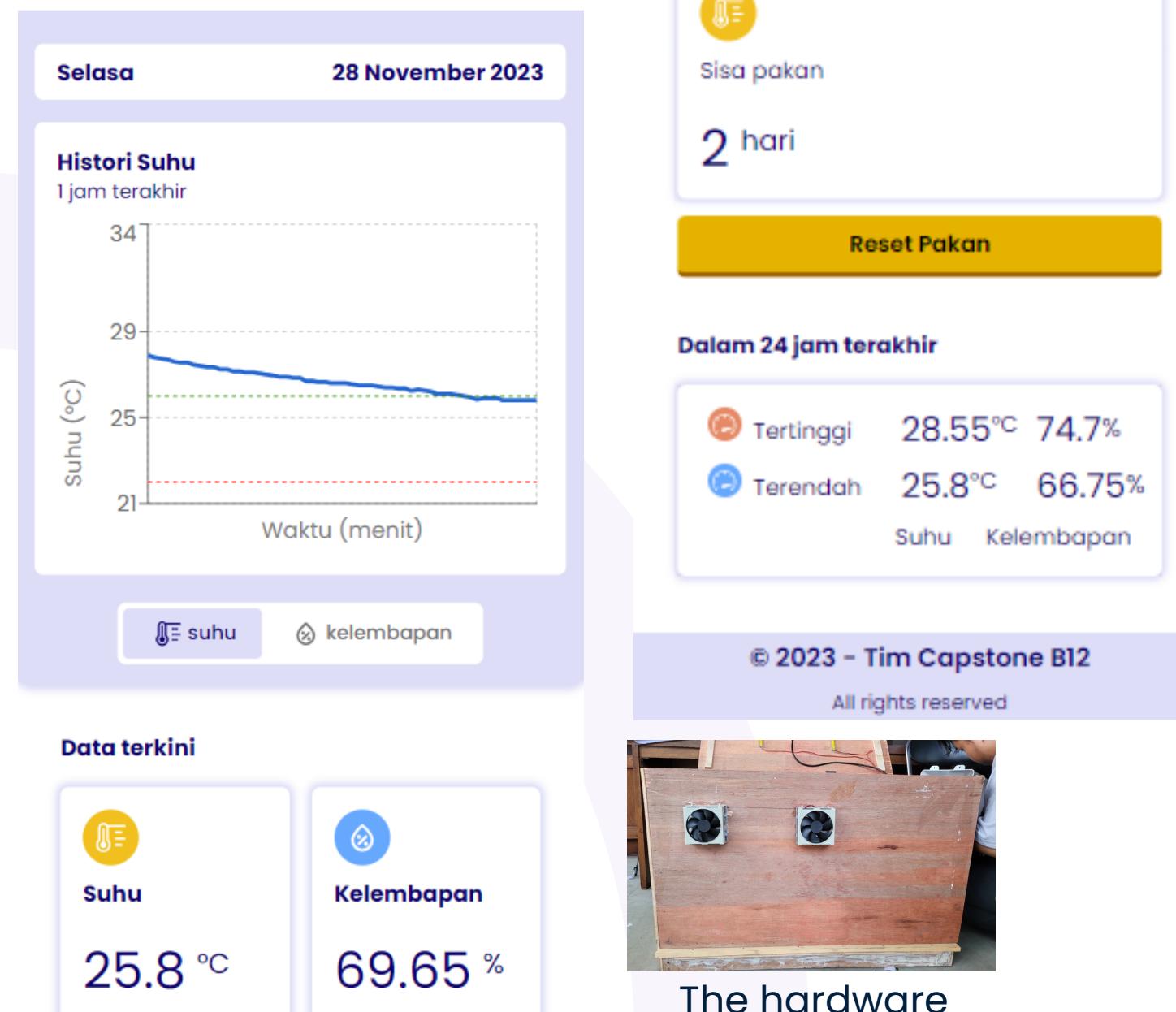


Data Cube for OULAD Dataset (Open University Learning Analytics)

IoT-based Monitoring and Automation System for Integrated Laying Hens Cage Environment

Capstone project is a final college project that lasts 1 year. The result of this project is an engineering product related to electrical and information engineering.

KandangKoo



The hardware

Role: Team Leader, Project Manager, Full-Stack Web Developer

✓ Monitoring Web App (UI/UX Design, Front-End, & Back-End)

The web app is a dashboard containing live data originating from sensors on an Internet of Things hardware. The features are:

1. Graph of cage temperature and humidity values.
2. Current values of temperature and humidity.
3. Estimated duration of time when feed supplies will run out.
4. Highest and lowest temperature values in the last 24 hours.

Link to web: <https://kandangkoo.vercel.app/>

✓ Communication Between Hardware and Web App

Handled communication between software and hardware with a lightweight communication protocol that is suitable for low bandwidth, namely MQTT.

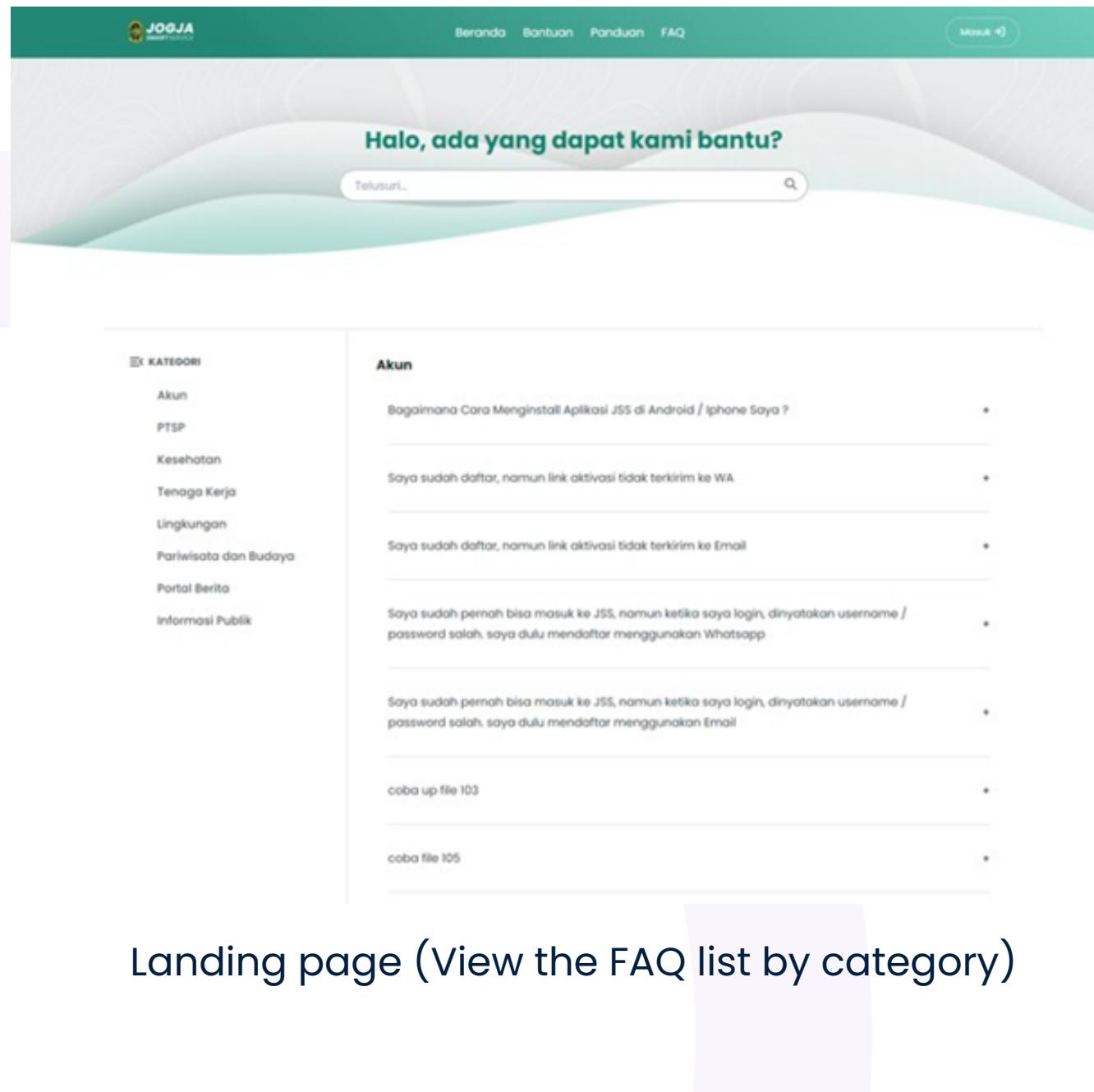
Tech stacks: React.js, Express.js, Node.js, MongoDB, TailwindCSS, ArduinoIDE, Javascript

GitHub

FE: <https://github.com/raisasalsabily/capstonefe>
 BE: <https://github.com/raisasalsabily/capstonebe>

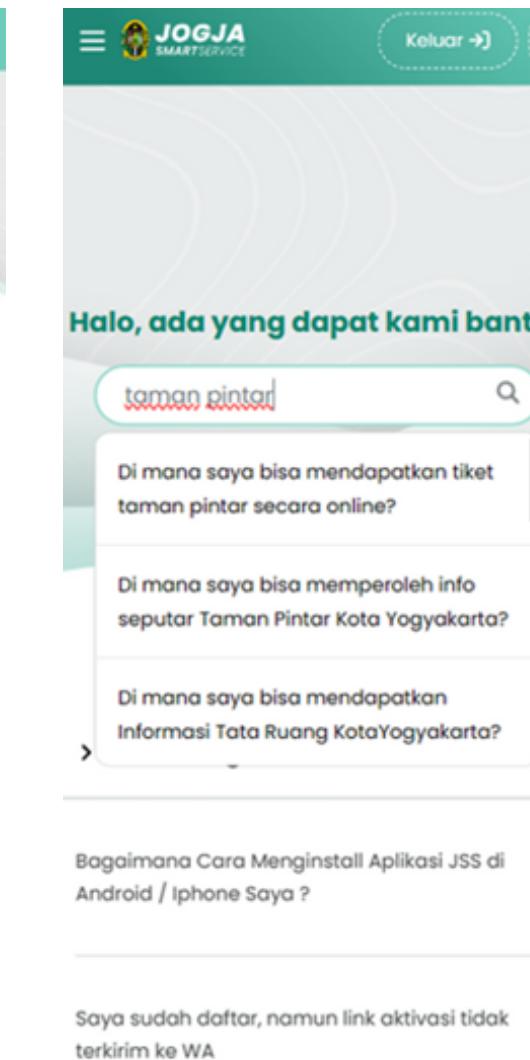
Jogja Smart Service (JSS) - Frequently Asked Questions (FAQ) Page (Internship)

Internship project at Dinas Komunikasi Informatika dan Persandian Kota Yogyakarta. Developed the FAQ service on the Jogja Smart Service web application using MERN stack. Responsible for front-end, back-end, and database configuration. Worked in a team of three.



The landing page displays a sidebar with categories: Akun, PTSP, Kesehatan, Tenaga Kerja, Lingkungan, Pariwisata dan Budaya, Portal Berita, and Informasi Publik. The main content area shows a list of frequently asked questions under the 'Akun' category, such as 'Bagaimana Cara Menginstall Aplikasi JSS di Android / Iphone Saya?' and 'Saya sudah daftar, namun link aktivasi tidak terkirim ke WA'.

Landing page (View the FAQ list by category)



The search results page shows a list of FAQs related to 'taman pintar'. The search bar contains 'taman pintar'. The results include: 'Di mana saya bisa mendapatkan tiket taman pintar secara online?', 'Di mana saya bisa memperoleh info seputar Taman Pintar Kota Yogyakarta?', and 'Di mana saya bisa mendapatkan Informasi Tata Ruang KotaYogyakarta?'. Below the search bar, there are other FAQ entries like 'Bagaimana Cara Menginstall Aplikasi JSS di Android / Iphone Saya?' and 'Saya sudah daftar, namun link aktivasi tidak terkirim ke WA'.

Search FAQ with fuzzy search

Role: Full-Stack Web Developer

Features

1. Authentication
2. Search FAQ with fuzzy search
3. View the FAQ list by category
4. Open FAQ single page
5. Share FAQ link to social medias
6. Dashboard to create, edit, and delete FAQ, category, and user

Tech stacks:

React.js, Express.js, Node.js, MongoDB, TailwindCSS, Javascript

GitHub

FE: <https://github.com/raisasalsabily/jss-faq-fe>
 BE: <https://github.com/ipungsonia/jss-faq-be>

[JOGJA](#)

Beranda Bantuan Panduan FAQ

Keluar 4) Dashboard

[-- Kembali](#)

Bagaimana cara Autologin ke Free Hotspot Pemkot Jogja?

Timenit bisa ▾    

Berikut adalah tutorial autologin FREE HOTSPOT PEMKOT YK dengan aplikasi JSS.

1. Nyolokan Wi-Fi dan pilih: FREE HOTSPOT PEMKOT YOGYAKARTA.
2. Klik: SIGN IN TO FREE HOTSPOT. Lalu baca ketentuan penggunaan untuk dipatuhi. Klik close.
3. Masuk ke aplikasi JSS yang sudah terinstall.
4. Klik icon WiFi Free Hotspot (di bawah layanan umum). Atau ketik dan pilih "WiFi" di tombol pencarian.
5. Sudah berhasil. Tertulis "You are logged in to jogjakota".



Watch on  YouTube

JSS Live

Open FAQ single page

Menambah Data

FAQ

Pertanyaan

Tulis pertanyaan...

Route URL

Generate url... 

Kategori

Pilih kategori 

Tag

Tambahkan tag

Jawaban

Normal             

Tulis jawaban

Tampilkan FAQ

 Simpan

Add Data

| KELOLA KONTEN | FAQ | + Tambah Data | | | | | | | | | | | |
|---------------|--|---------------|-------------------------------------|-----------------------|--|---|---|---|---|---|---|---|---|
| Pertanyaan | 41 data ditemukan | Telusuri... | | | | | | | | | | | |
| Kategori | | | | | | | | | | | | | |
| Pengguna | | | | | | | | | | | | | |
| | PERTANYAAN | KATEGORI | DITAMPILKAN | LAMAN | UBAH | | | | | | | | |
| | Bagaimana Informasi vaksinasi tahap ke-2 disampaikan ke pendaftar vaksin ke-I? | Kesehatan | <input checked="" type="checkbox"/> | Lihat | Edit Hapus | | | | | | | | |
| | Bagaimana Cara Menginstall Aplikasi JSS di Android / Iphone Saya ? | Akun | <input checked="" type="checkbox"/> | Lihat | Edit Hapus | | | | | | | | |
| | Bagaimana cara Pembuatan Kartu Pencari Kerja secara Online ? | Tenaga Kerja | <input checked="" type="checkbox"/> | Lihat | Edit Hapus | | | | | | | | |
| | Saya sudah daftar, namun link aktivasi tidak terkirim ke WA | Akun | <input checked="" type="checkbox"/> | Lihat | Edit Hapus | | | | | | | | |
| | Bagaimana cara melaporkan pengelolaan lingkungan? | Lingkungan | <input checked="" type="checkbox"/> | Lihat | Edit Hapus | | | | | | | | |
| | | | < | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | > |

Admin Dashboard

Mengubah Data

Pengguna - adminJSS01

Username
adminJSS01

Peran
ADMIN

Perbarui

Mengubah Data

Pengguna - adminJSS01

Username
adminJSS01

Peran

- ADMIN
- EDITOR
- PENGGUNA JSS

Edit Data

Rute.in - Tourism Route Recommendation Web App

Rute.in is a web app that utilizes artificial intelligence, especially machine learning to determine tourist routes in Indonesia so that it can help tourists plan trips efficiently.

Role: Project Manager, Front-End Web Developer



Features

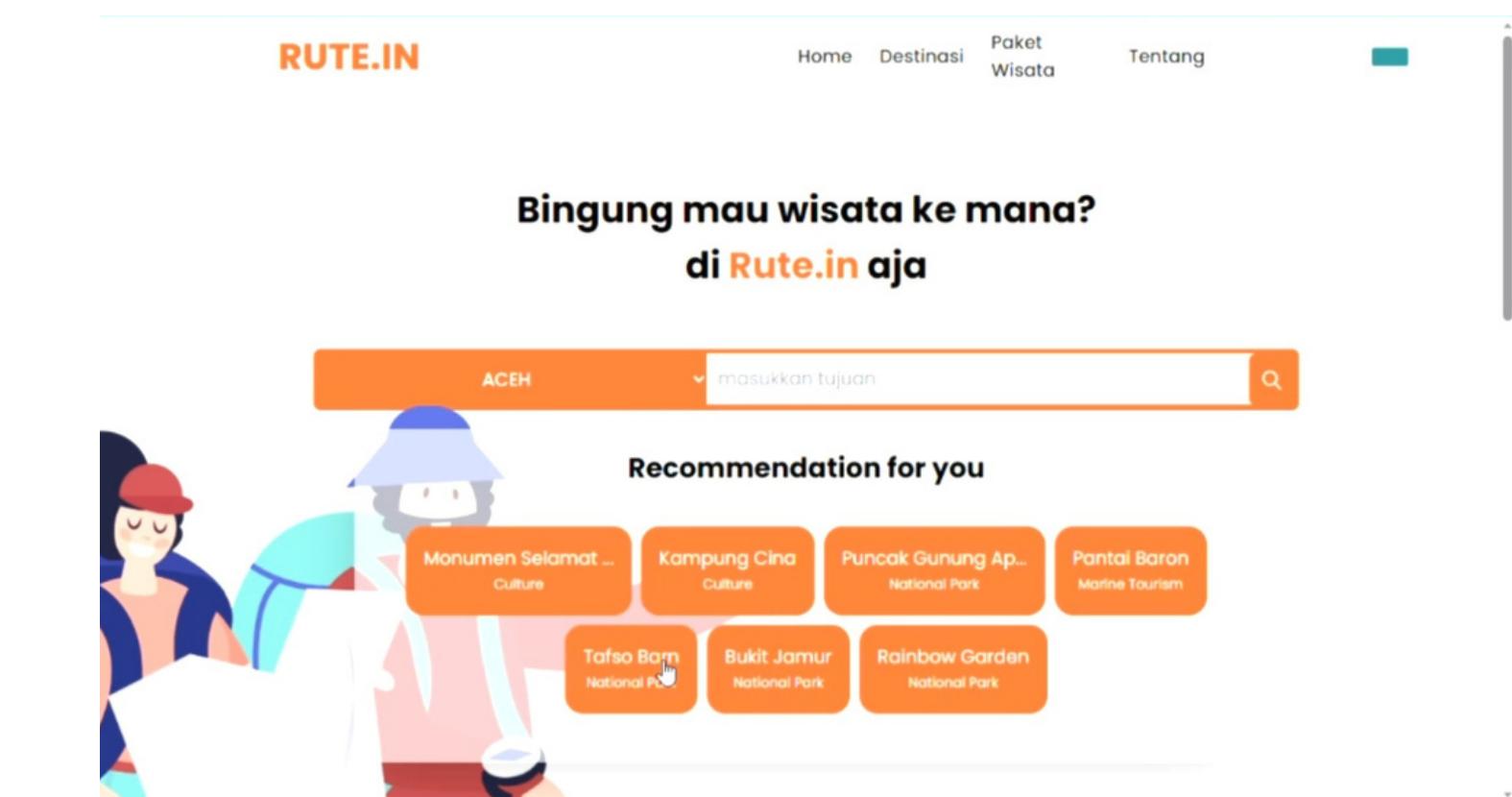
1. Authentication (log in & sign up)
2. Search route recommendations
3. Displays recommended tourist locations
4. Admin dashboard (create, read, update, and delete tourist location data)
5. Single page for tourist location information
6. Map of tourist locations

Tech stacks:

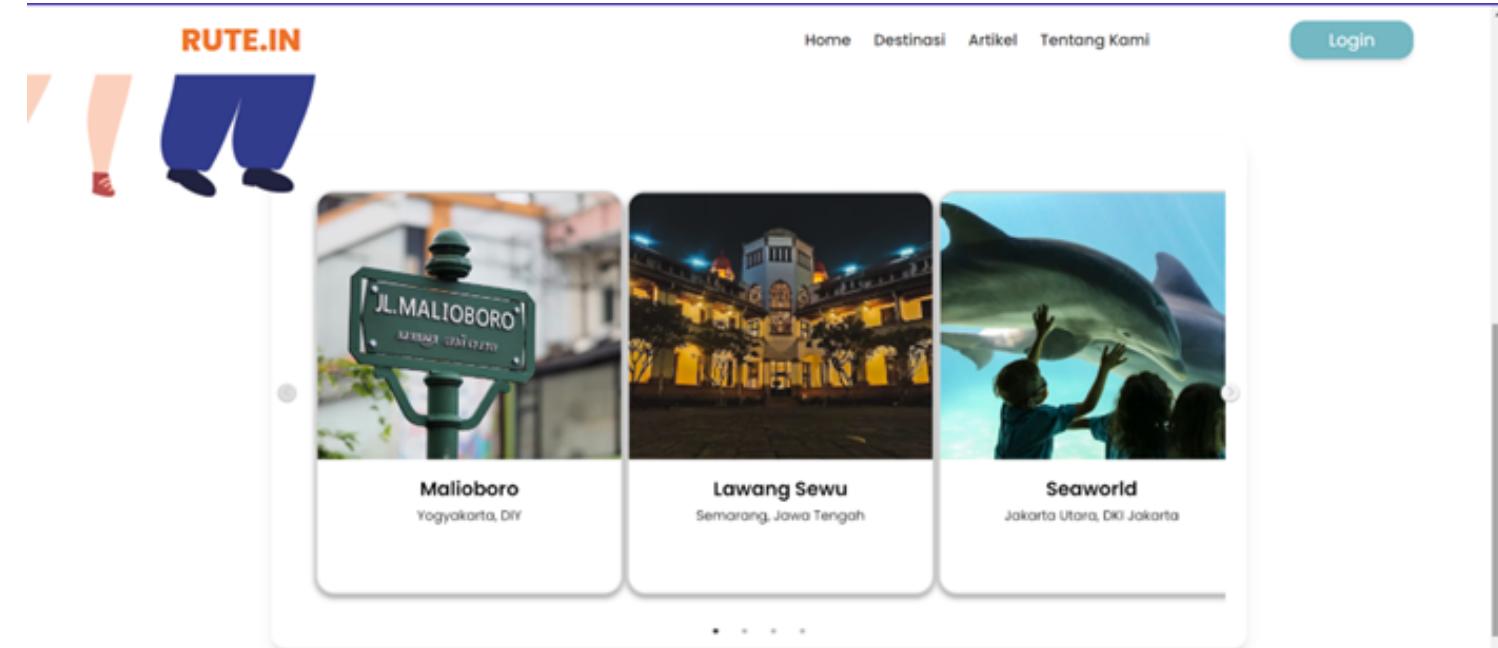
React.js, Express.js, Node.js, TailwindCSS, PostgreSQL, Flask, Azure Cloud

GitHub

<https://github.com/ASMR-Senpro/Rute.in>



Landing Page (top) with Recommendations



Landing Page (bottom) with Carousel Menu

RUTE.IN

Home Destinasi Paket Wisata Tentang

ACEH

1 / 20

Bandung Caringin Tilu Curug Anom Bukit Jamur Kebun Tanaman Obat S...

Route Recommendation

RUTE.IN

Home Destinasi Artikel Tentang Kami Login

+ Tambah Destinasi

Maliboro Yogyakarta, DIY ...klik untuk detail

Lawang Sewu Semarang, Jawa Tengah ...klik untuk detail

Admin Dashboard

RUTE.IN

Home Destinasi Artikel Tentang Kami Login

Mau wisata tanpa ribet mikirin tujuan?
RUTE.IN aja

About Page

Nol Kilometer Jl.Maliboro Yogyakarta ...klik untuk detail

Kawasan Maliboro Yogyakarta ...klik untuk detail

Admin Dashboard

BiSA - Campus Bike Rent Web Application

BiSA is a web app as a practical UGM bicycle lending platform with features that make it easier for users. BiSA allows users to borrow bicycles more easily, quickly and efficiently.

Role: Front-End Web Developer

Features

1. Authentication (Log In & Sign Up)
2. Rent bike
3. Profile and user information
4. Admin Dashboard

Tech stacks:

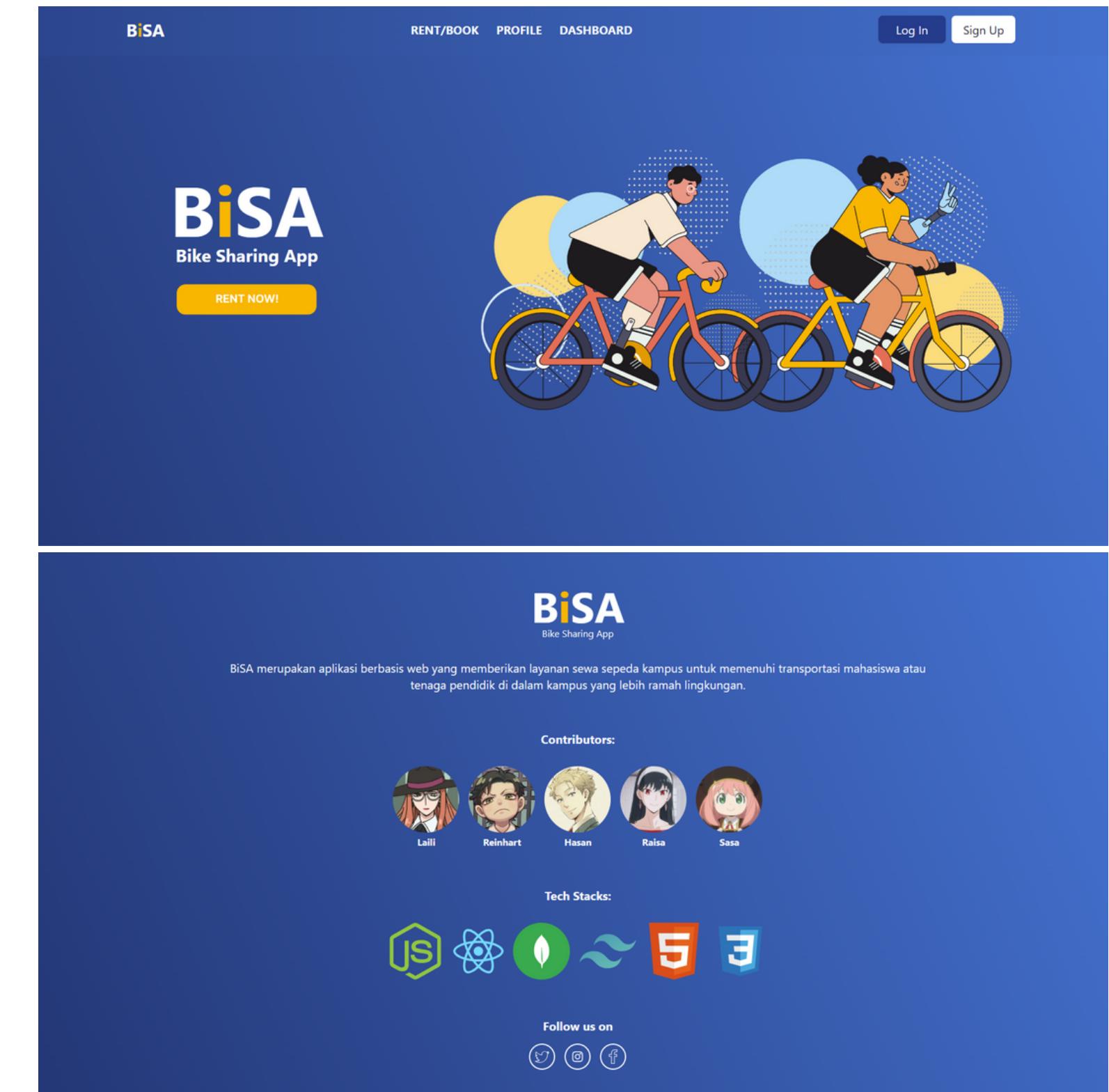
React.js, Express.js, Node.js, TailwindCSS, MongoDB

GitHub

<https://github.com/hasanchamdany/campus-bike-rent>

Link to web

<https://bisa-frontend.vercel.app/>



Landing Page

The BiSA app's login screen features a large "Hello Again!" header in yellow and blue. Below it is a "Log in to BiSA" link. The form includes fields for "Email" (janedoe@xxxxx.com) and "Password" (janedoe198461376817). At the bottom are "Log In" and "SignUp" buttons.

Log In

The BiSA app's sign-up screen features a "Sign up to BiSA" header in blue and yellow. Below it is a "Already a member? Log In" link. The form includes fields for "Full Name" (Jane Doe), "Email" (janedoe@xxx.com), "Password" (janedoe12813279), and "Phone Number" (081xxxxxxxx). At the bottom is a "Create Account" button.

Sign Up

The BiSA app's rent bike screen features the BiSA logo and "Bike Sharing App" text. It includes a "Select your Location" dropdown set to "Gelanggang Mahasiswa". Below is a table listing four locations, each with a "Rent/Book" button:

| Location | Location |
|----------------------|-----------|
| Gelanggang Mahasiswa | Rent/Book |

Rows per page: 10 ▾ 1–10 of 70 < >

Rent Bike

The BiSA app's user information screen features a "Your Rent Info" header in blue and yellow. It displays details for a bike rental: Bike #633af5145c6a096384a96f9c, Lokasi Pengambilan: SGLC, Tanggal Pengambilan: 2022-10-03T14:43:32.883Z, Durasi (Jam): 7, and Status Pengembalian: Sudah dikembalikan. A "Rent Now!" button is at the bottom.

User Information

BiSA

RENT/BOOK PROFILE DASHBOARD Log Out

Hello, Admins

BIKE MEMBER RENT

+ Add Data

| Availability | Borrow Period | Condition | Location | Action |
|--------------|---------------|-----------|---------------------|---|
| true | 0 | good | KPTU (Gedung Pusat) |   |
| true | 0 | good | KPTU (Gedung Pusat) |   |
| true | 0 | good | KPTU (Gedung Pusat) |   |
| true | 0 | good | KPTU (Gedung Pusat) |   |
| true | 0 | good | KPTU (Gedung Pusat) |   |

a-frontend.vercel.app/admin/bike

Admin Dashboard (List of Bike, Members, and Rent)

RENT/BOOK PROFILE DASHBOARD Log Out

Hello, Admins

BIKE MEMBER RENT

| ID Member | Returned Status | Location | Rent Duration | Date Taken | Action |
|--------------------------|-----------------|----------------------|---------------|--------------------------|---|
| 63318236bed030a3f35da8e9 | false | FTP | 10 | 2022-09-30T00:00:00.000Z |   |
| 63318236bed030a3f35da8e9 | true | FTP | 8 | 2022-09-30T00:00:00.000Z |   |
| 63318236bed030a3f35da8e9 | false | FISIPOL | 10 | 2022-09-30T00:00:00.000Z |   |
| 6336a288006cea151797d6f0 | true | SGLC | 7 | 2022-10-03T14:43:32.883Z |   |
| 6336a288006cea151797d6f0 | false | Gelanggang Mahasiswa | 3 | 2022-12-04T10:25:12.259Z |   |

“Desa Sehat” Website

Community Service (KKN) Interdisciplinary Program

This website is the output of digitizing the Village Garden which was carried out to educate the public about the benefits, chemical content and other interesting things about plants.

The digitalization method was carried out by installing a QR Code on plant name boards in Taman Hati (village ornamental garden). Apart from trying to educate about plants, we were also trying to increase citizens' interest in digitalization.

GitHub

<https://github.com/raisasalsabily/desa-sehat>



Plant name plate



Scanning QR code



Kunyit merupakan tanaman obat berupa semak dan bersifat tahunan (perennial) yang tersebar di seluruh daerah tropis. Tanaman kunyit tumbuh subur dan liar disekitar hutan/bekas kebun. Tanaman obat kunyit ini bisa memiliki fungsi yang banyak. Selain menjadi tanaman obat, sering digunakan sebagai rempah bumbu dapur. Dengan rasanya yang tajam, makanan ini memiliki

Manfaat

- Antiinflamasi: Kunyit mengandung kurkumin yang dapat mengurangi peradangan dalam tubuh
- Antioksidan: Senyawa dalam kunyit membantu melawan radikal bebas dan meredakan stres oksidatif
- Peningkatan pencernaan: Kunyit dapat merangsang produksi enzim pencernaan, mempromosikan kesehatan pencernaan
- Penyokong sistem kekebalan: Kunyit dapat meningkatkan respons kekebalan tubuh terhadap infeksi
- Penyokong sistem kekebalan: Kunyit dapat meningkatkan respons kekebalan tubuh terhadap infeksi.

Kandungan Kimia

Kandungan kimia yang paling utama dalam kunyit adalah senyawa kurkuminoid dan minyak atsiri. Senyawa kurkuminoid yang terkandung dalam kunyit sebesar 3 sampai 4%. Kandungan kimia lainnya yang terdapat dalam kunyit adalah garam-garam mineral.

Mau cari tau lebih?

Cari tau tentang Kunyit

Cari di Google



“DietKuy” Desktop Application

DietKuy is an application for processing and ordering diet menus with menu recommendations based on the user's BMI (Body Mass Index). This application provides a BMI calculator which can then be continued with menu orders. Apart from that, from the administrator side there is access to add, edit and delete available diet menus.

Role: Full-Stack Developer

Features

1. Log In
2. BMI Calculator
3. Order menu
4. Admin dashboard (manage menu)

Tech stacks:

C#, Visual Studio

GitHub

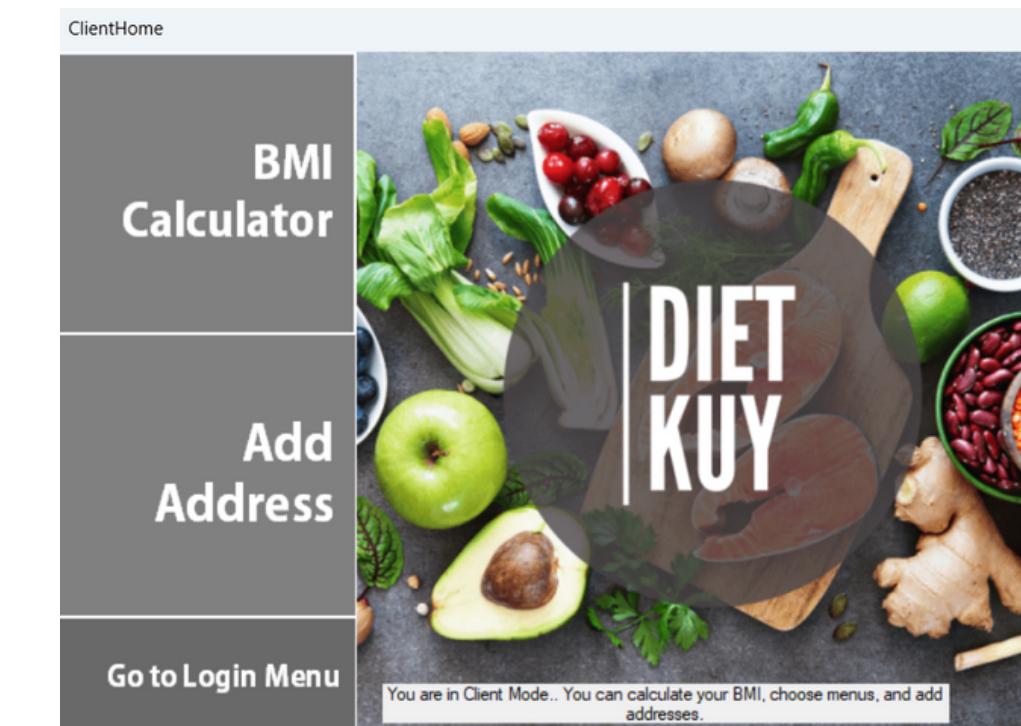
<https://github.com/raisasalsably/DietKuyDesktopFin>



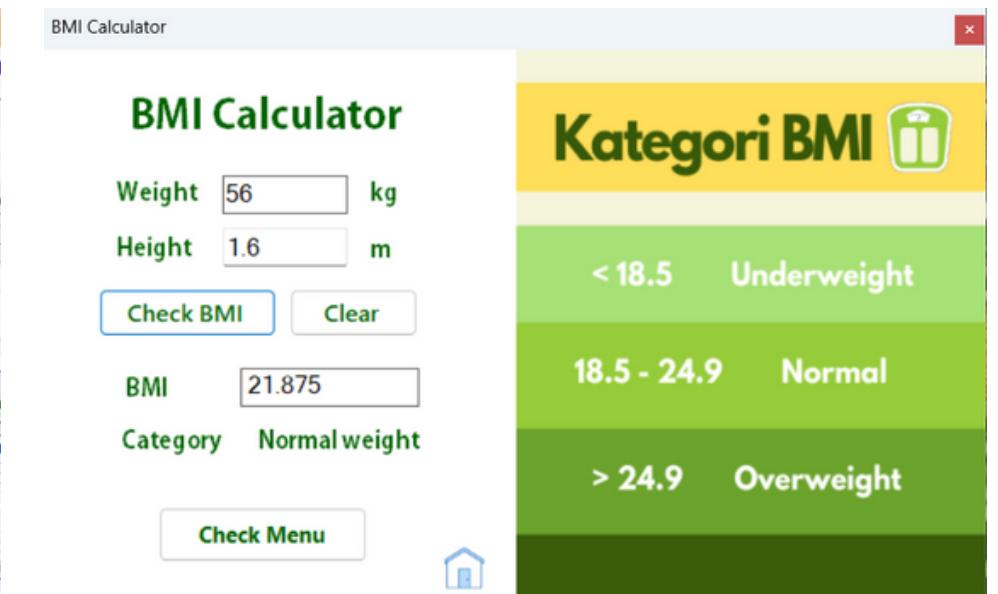
Splash screen



Login Page



Main Menu (user side)



BMI calculator

ChooseMenu

Choose Your Menus

Reccomendation: Select Menus Match Your BMI Category Only!

Day Menu : Mie shirataki hangat

Night Menu : Ayam Bakar Madu

Choose your identitiy and address:

| | DeliName | DeliPhone | DeliAddress |
|---|-------------------|---------------|------------------|
| ▶ | Raisa Salsabil... | 0813265919... | Jalan Pattim... |
| | Raisa Andriana | 0865437765... | Jalan Kita Be... |
| | Rudi Tabuti | 0821266272... | Jalan Kapur... |
| | Rahayu Setia... | 0812638837... | Jalan Apand... |
| | Tono Martinus | 0812272273... | Jalan Krama... |
| | Sarinah | 0857393892... | Jalan Tanjaka... |

Choosen:
081326591994
Jalan Pattimura IV No.98, Manahan, Banjarsari, Surakarta, Jawa Tengah, 57465
Pagar warna abu-abu tua*Mie shirataki hangat*Ayam Bakar Madu

[Generate QR Code](#) [Order Now!](#)

ProdName ProdPrice ProdCat

| | | |
|-------------------|-------|-----------------|
| Telur Balado | 15000 | Normalweigh... |
| Nasi shirataki... | 24000 | Overweight -... |
| Ayam Madu ... | 18000 | Normalweigh... |
| Mie shirataki... | 20000 | Overweight -... |
| Ubi Madu | 5000 | Underweight... |
| Nasi uduk | 15000 | Underweight... |
| Jus Sarikaya ... | 9000 | Normalweigh... |
| Sawi Gulung ... | 15000 | Normalweigh... |
| Bread Toast ... | 10000 | Overweight ... |
| Bihun Ayam ... | 20000 | Underweight... |
| Coldpress M... | 18000 | Underweight... |
| Fruit Punch S... | 15000 | Overweight -... |

ProdName ProdPrice ProdCat ProdSize ProdExtra

| | | | | |
|-----------------|-------|-----------------|----------|-------|
| Granola Kur... | 15000 | Overweight -... | Normal | None |
| Ayam Bakar ... | 25000 | Underweight... | Ekstra 1 | Sauce |
| Creamy Pasta | 24000 | Normalweigh... | Normal | Sauce |
| Pudding Stro... | 10000 | Underweight... | Ekstra 2 | None |
| Matcha Latte... | 14000 | Underweight... | Normal | None |
| Jus Oatmeal ... | 14000 | Overweight -... | 13 | None |

Order menu

AdminHome

Manage Day Menu

Manage Night Menu

Go to Login Menu

You are in Admin Mode.. You can manage day and night menu list. Freely add new menus and their descriptions.

Main menu (admin side)

ProductForm

Manage Day Menu

Welcome to Day Menu Manager. This page is only accessible for administrator. All field must be filled.

| | |
|----------|-------------------|
| ID | 1248 |
| Name | Nasi goreng |
| Quantity | 1 |
| Price | 12000 |
| Category | Underweight -Food |

[ADD](#) [EDIT](#) [DELETE](#)

| | | | | |
|--------|----------------------|---------|-----------|-------|
| ProdId | ProdName | ProdQty | ProdPrice | ProdC |
| 1234 | Telur Balado | 10 | 15000 | Norma |
| 1235 | Nasi shirataki diet | 5 | 24000 | Overw |
| 1236 | Ayam Madu low-cal | 6 | 18000 | Norma |
| 1237 | Mie shirataki han... | 6 | 20000 | Overw |
| 1238 | Ubi Madu | 5 | 5000 | Under |
| 1239 | Nasi uduk | 11 | 15000 | Under |
| 1240 | Jus Sarikaya Pep... | 15 | 9000 | Norma |
| 1241 | Sawi Gulung Ayam | 10 | 15000 | Norma |
| 1242 | Bread Toast Wth... | 20 | 10000 | Overw |
| 1243 | Bihun Ayam Brocoli | 10 | 20000 | Under |
| 1244 | Coldpress Mango... | 15 | 18000 | Under |
| 1245 | Fruit Punch Smo... | 15 | 15000 | Overw |

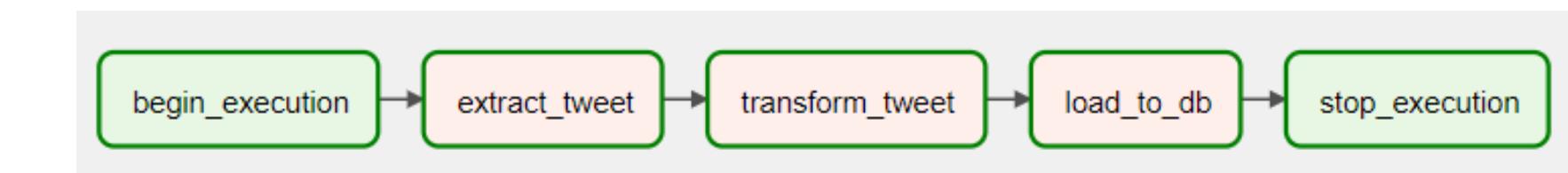
[Home](#) [CLEAR](#)

Manage menu

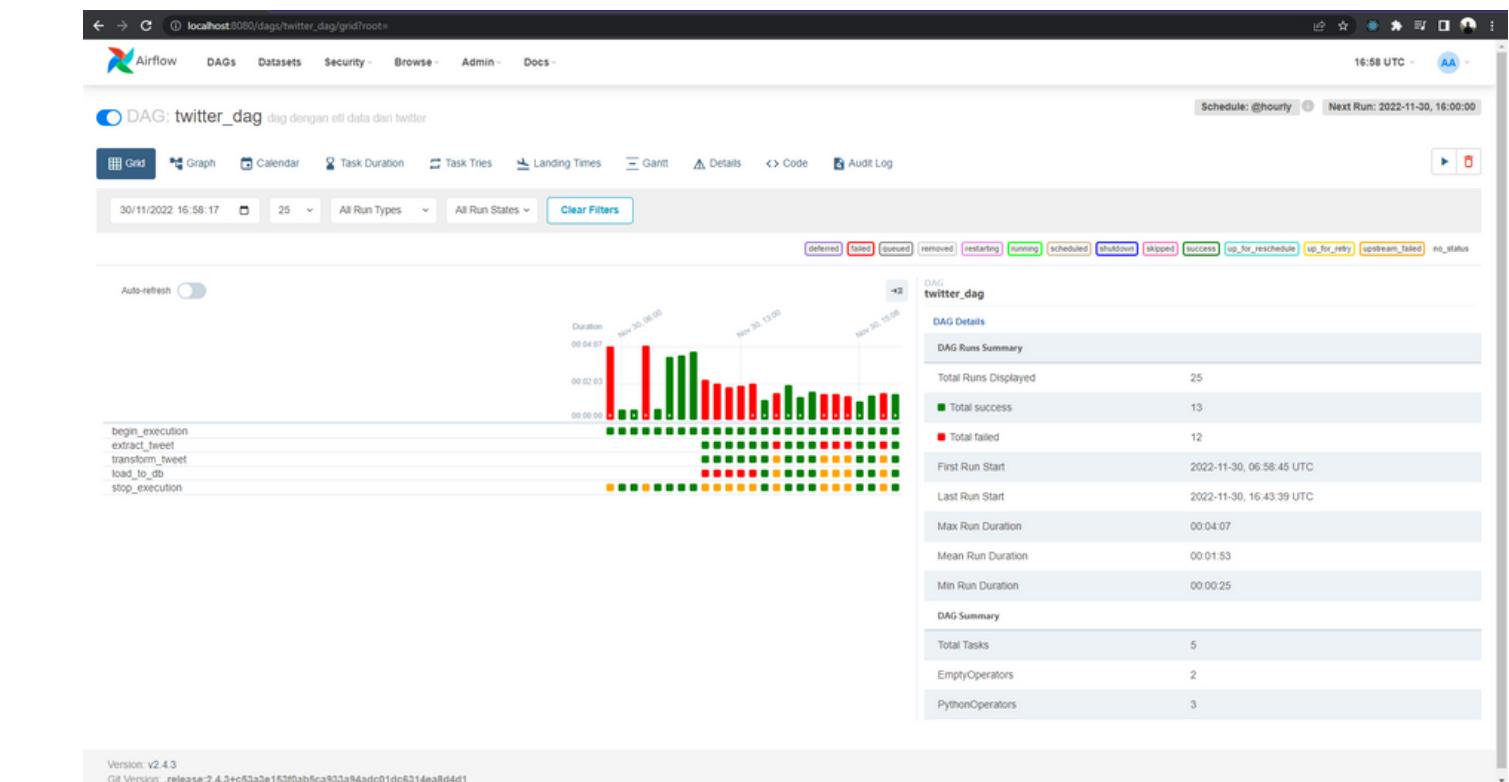
Twitter and Instagram API Data Classification and Clustering using Automated Workflow

End to End Data Engineering Workflow

1. Fetching data from twitter and Instagram API.
 - Scraping general people's tweets about Ganjar Pranowo and Instagram post comments on Ganjar Pranowo's account
2. Classification and Clustering of tweets and Instagram comments to see public sentiment towards Ganjar Pranowo
 - Classifying tweets and comments about Ganjar Pranowo into "positive" and "negative" classes. Apart from that, we also carried out clustering to see the clusters that are formed.
3. Using Predictive Modeling algorithms on result data.



Arsitektur Workflow



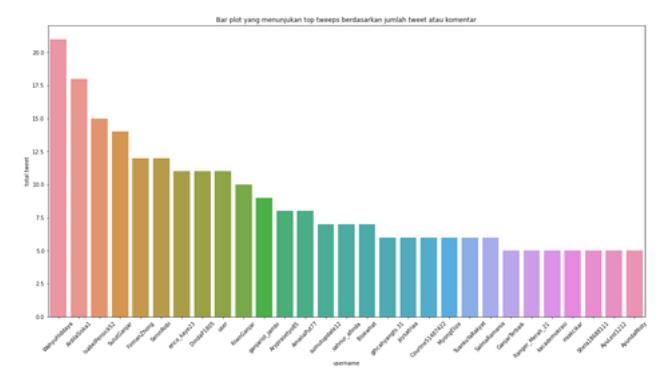
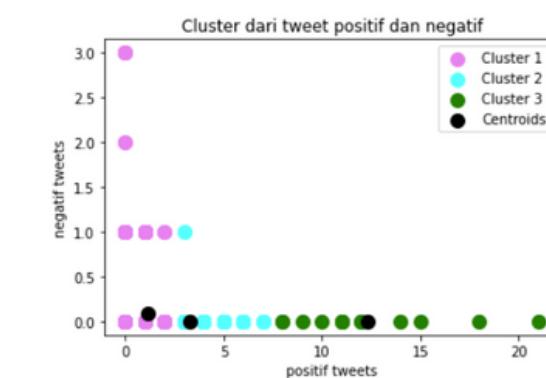
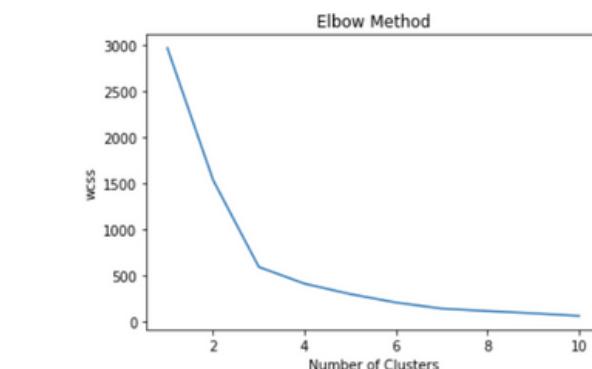
Role: Team Leader, Data Engineer

Tech stacks:

Python, PostgreSQL, Airflow, Docker

GitHub: <https://github.com/raisasalsably/airflow-docker>

Presentation slide: [click here](#)



Visualisasi Hasil Pengolahan dengan Algoritme Predictive Modeling

Data Cube for OULAD Dataset (Open University Learning Analytics)

Created a data cube that can be sliced, diced, drilled down, and rolled up flexibly. Before creating a cube, pre-processing is done on the data.

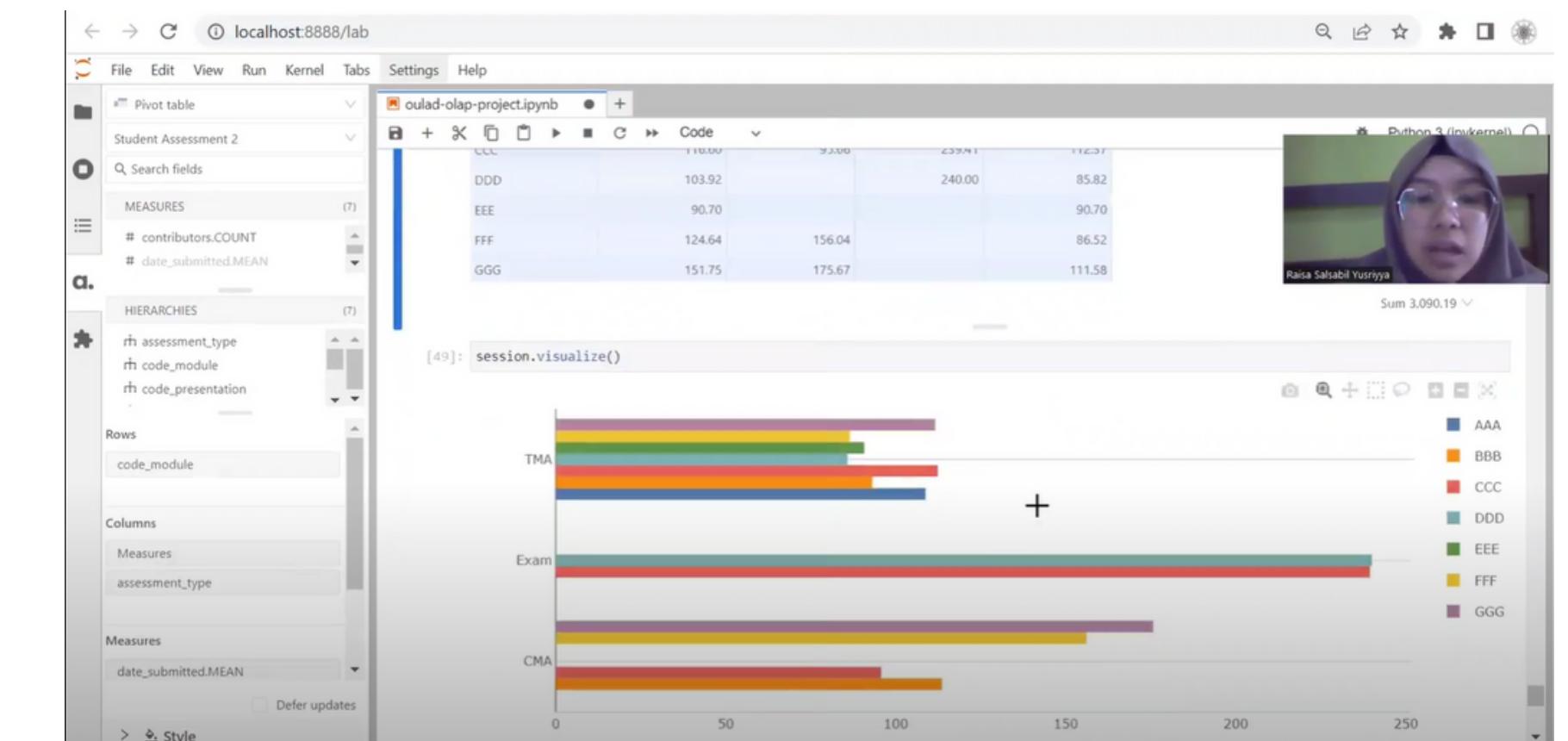
Role: Team Leader, Data Engineer

Tech stacks:

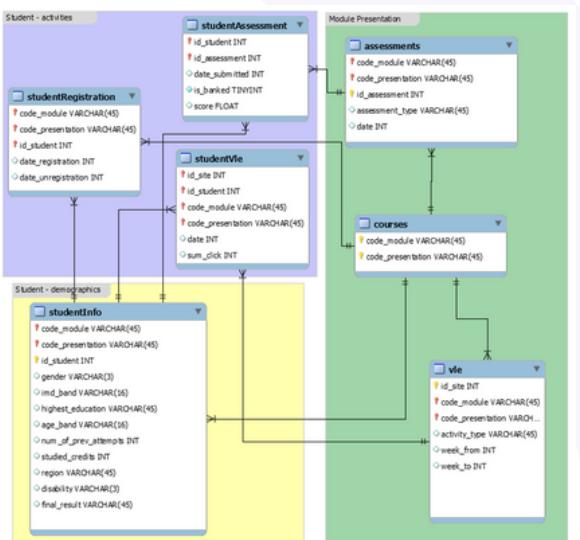
- Python (atoti, pandas, math, dan numpy), JupyterLab

GitHub

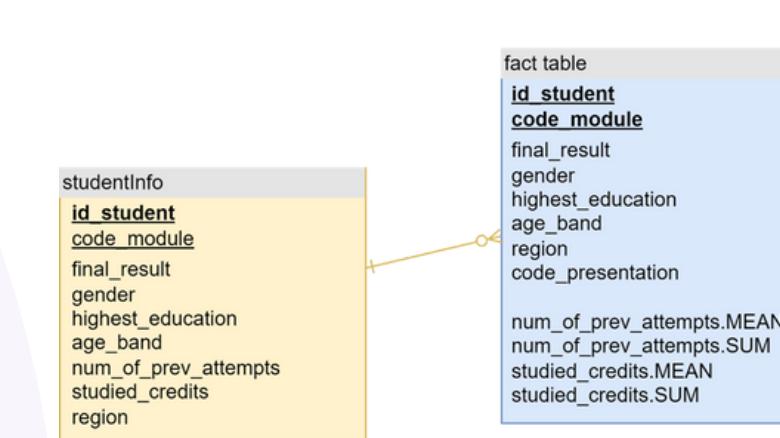
<https://github.com/raisasalsabily/oulad-olap>



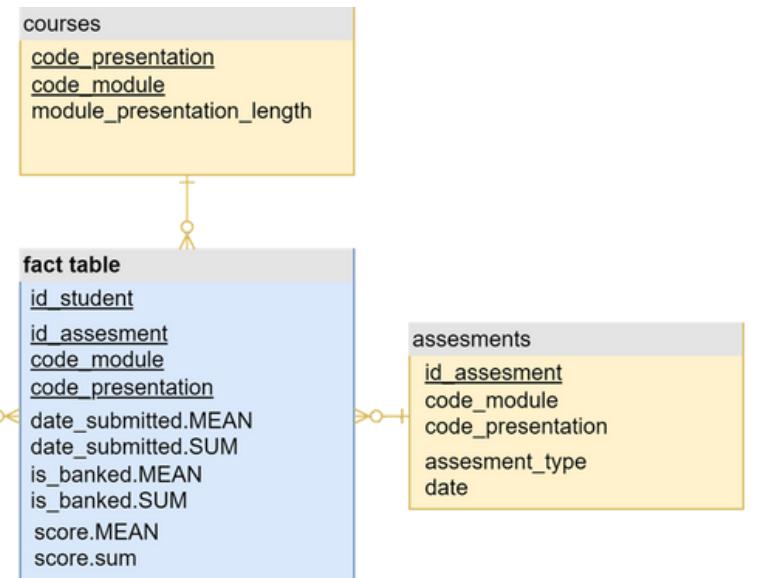
Data Cube Processing and Visualization using JupyterLab



Dataset Schema



Schema of Cube 1



Schema of Cube 2