

Syifa Azzahra

# Project Activities

Project  
Activities

# HEY!

## Saya Syifa Azzahra,

individu yang antusias belajar dan berkembang. Visi saya adalah memberikan kontribusi hyata lewat dekreatif dan solusi inovatif.

Dengan sikap inisiatif, teliti, tepat waktu dan senang bekerja sama, saya siap membawa dampak positif dalam setiap proyek atau kolaborasi.



# EDUCATION

**MIPA**

MAN 1 Banyumas  
2018 - 2021

**ILMU KOMPUTER**

Universitas Pendidikan Indonesia  
2022 - Sekarang

# MY SKILL

## SOFT SKILLS

- Disiplin
- Manajemen Waktu
- Kerjasama Tim
- Komunikasi Interpersonal
- Pemecahan Masalah

## HARD SKILLS

- Analisis Data
- Visualisasi Data
- Pengolahan Data
- Manajemen Basis Data
- Pemrograman
- Pengembangan Web

## SOFTWARE & TOOLS





# COMMITTEE EXPERIENCE



# Sistem Informasi Program Cek Data Kesehatan

# PROJECT

Link:  
Github

KESELAMATAN

## Invest in Health, Reap the Rewards

Sehat bukanlah tujuan hidup, tetapi merupakan fondasi yang memungkinkan kita menjalani hidup dengan lebih bermakna.

**Distribusi NAKES**  
Data Jumlah Tenaga Kesehatan di Setiap Provinsi

**Mengecek Kesehatan**  
Pengoptimalan Berat Badan, Tekanan darah, dan Kesehatan Mental

**Data Perokok Aktif**  
Jumlah Perokok Aktif di Setiap Provinsi

**Data HIV**  
Jumlah Pengidap HIV di setiap Provinsi

WELCOME BACK, ADMIN

Thank you for your continued support

Data User Quintessence

50 Registered Users	22 Active Users	18 Users with BMI Data	17 Users with Blood Pressure Data
---------------------	-----------------	------------------------	-----------------------------------

#	Id User	Username	Action
1	1	tantanitania	Delete
2	2	imam	Delete
3	3	jellyjel	Delete
4	4	shakaard	Delete
5	5	eysharan	Delete

**About Us**

**Cek Badan Ideal**  
Find out if your body weight is ideal by clicking here!

**Cek Kesehatan Mental**  
Take care of your mental health by clicking here to perform a check-up and get useful information!

**Cek Tekanan Darah**  
Ensure your blood pressure is in optimal condition by performing a blood pressure check. Click here to learn more and maintain your blood pressure.

**Data Diri**  
Nama Lengkap: Shaka Ardellardo  
Tanggal Lahir: 2004-07-14  
Jenis Kelamin: Laki-Laki  
Alamat: Jl. Kenanga  
Usia: 18  
[Ubah Data](#)

**Data BMI**  
Tinggi Badan: 160  
Berat Badan: 60  
Status BMI: Kegemukan

**Data Hasil Cek Tekanan Darah**  
Golongan Darah: A  
Tekanan Darah: 100/70  
Hasil Pengecekan Tekanan Darah Terakhir: Normal



# PROJECT

Pengembangan Situs Web  
Blue Moon Hotel

Link:

[Blue Moon Hotel](#)



## Reservasi

Home > Reservasi

### Reservasi Anda

Nama Lengkap

Check In:

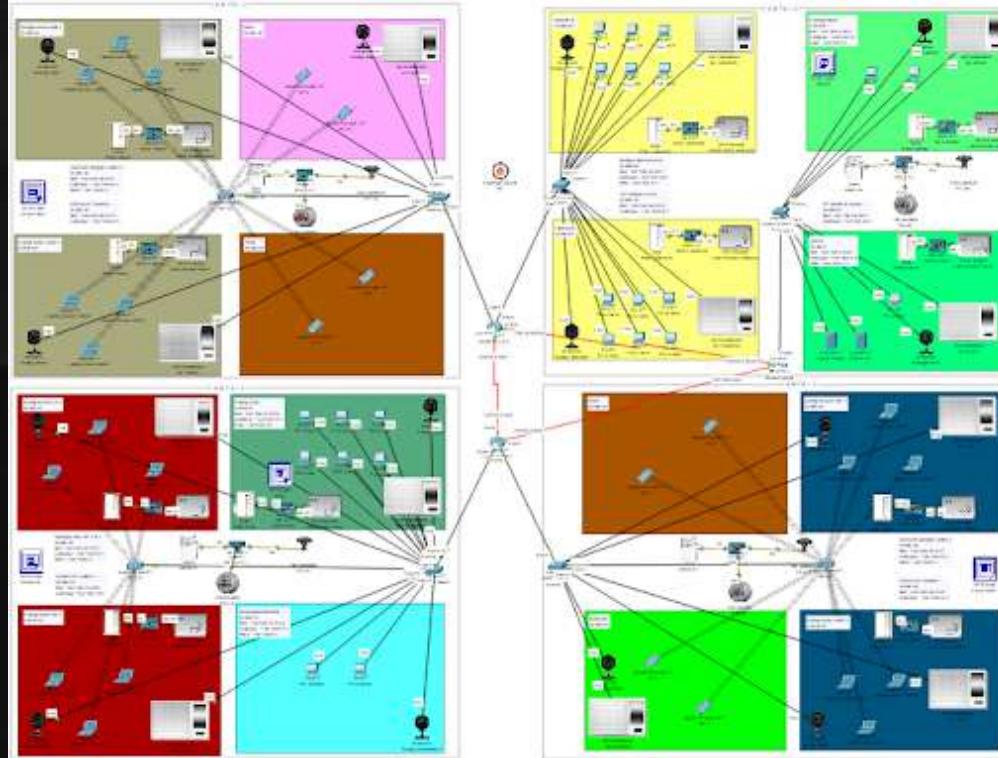
dd/mm/yyyy

Check Out:

dd/mm/yyyy

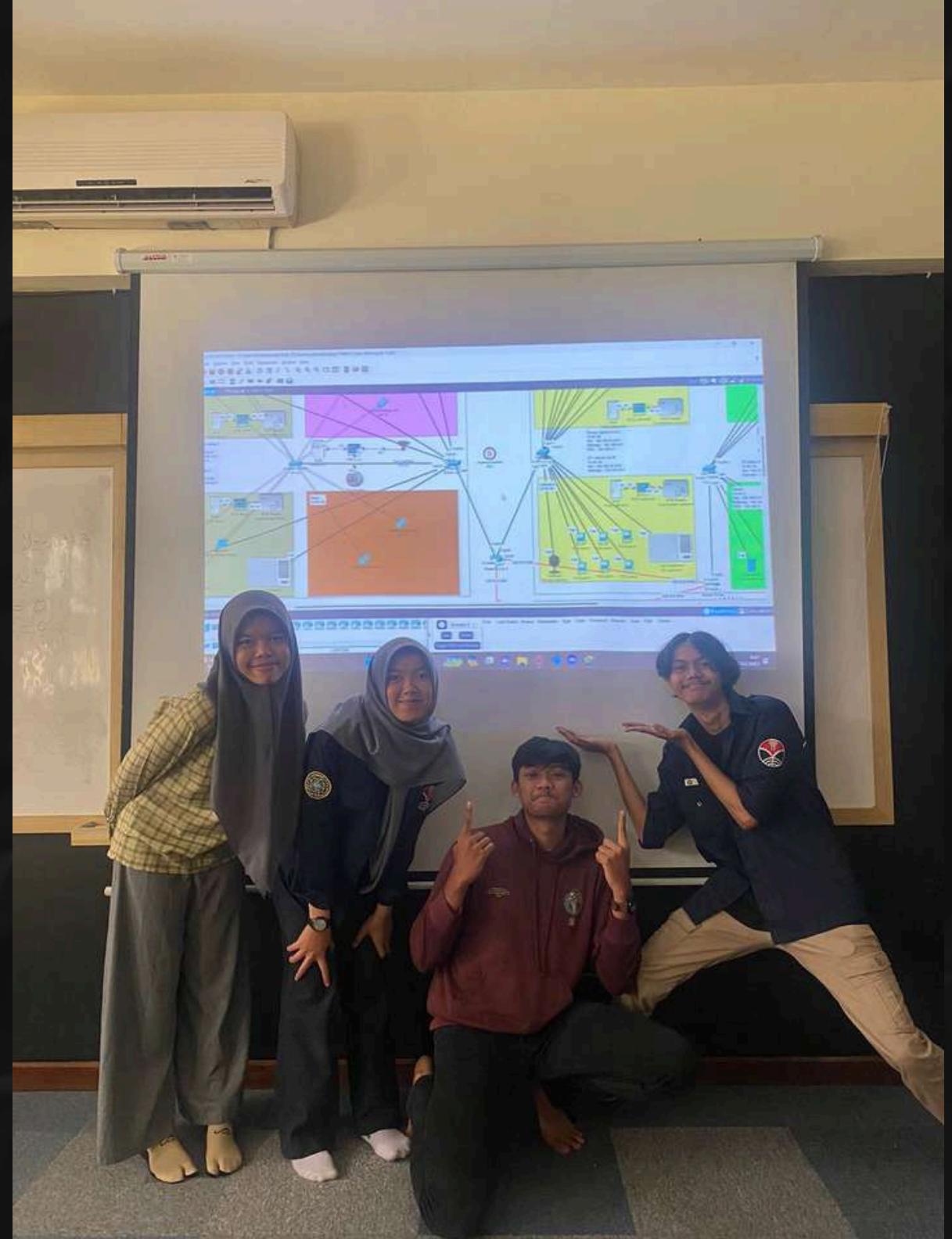
# Optimasi Layanan Edukasi: Pengembangan "Learning Center" dengan Teknologi Jaringan

# PROJECT



## 3.3 Pembagian Alamat IP

No	Ruangan	Network	Range IP	Prefix	Gateway	Subnet Mask	VLAN
1	Server	192.168.5.0	192.168.5.1 - 192.168.5.6	/29	192.168.5.6	255.255.255.248	5
2	Admin	192.168.6.0	192.168.6.1 - 192.168.6.6	/29	192.168.6.1	255.255.255.248	6
3	Labkom A	192.168.40.0	192.168.40.1 - 192.168.40.30	/27	192.168.40.1	255.255.255.224	40
4	Labkom B	192.168.40.0	192.168.40.1 - 192.168.40.30	/27	192.168.40.1	255.255.255.224	40





### Lengkapi Formulir Pendaftaran

Untuk melengkapi biodata diri calon pendaftar siswa baru

Nama Panggilan Calon Siswa Baru

Jenis Kelamin  
 -- Pilih Jenis Kelamin --

Tanggal Lahir  
 mm/dd/yyyy

Usia Calon Siswa Baru  
 Thn

Domicili

Alamat

Jarak Rumah ke PKBM Golden Kids  
 Km

**TAMPILAN USER**

Tiara

Hal yang perlu dilengkapi :

- Foto calon siswa baru
- Foto akta kelahiran
- Foto kartu keluarga
- Foto bukti pembayaran pendaftaran
- Foto KTP Orang Tua

Status Berkas Foto  
Belum Mengisi

Klik disini untuk melengkapi berkas foto calon siswa baru

Dashboard

Personal Data

Berkas Foto

Test Pemahaman Online

**DASHBOARD ADMIN**

Manajemen Akun

Tiara

?

Pertanyaan

✓

Jawaban

Hasil Test Pemahaman Online

Personal Data

Berkas Foto

Permission

No	Izin	Ubah
1	user_management_access	
2	user_management_create	
3	user_management_edit	
4	user_management_view	
5	user_management_delete	
...		

Showing 1 to 20 of 20 entries

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# PROJECT

Web Informasi dan  
Pendaftaran PKBM  
Homeschooling Golden Kids  
Bandung

## Silahkan Buat Akun Baru

Isi terlebih dahulu formulir awal dibawah ini

Nama Lengkap Calon Siswa Baru

Nomor HP Orang Tua/Wali

Alamat Email

Password

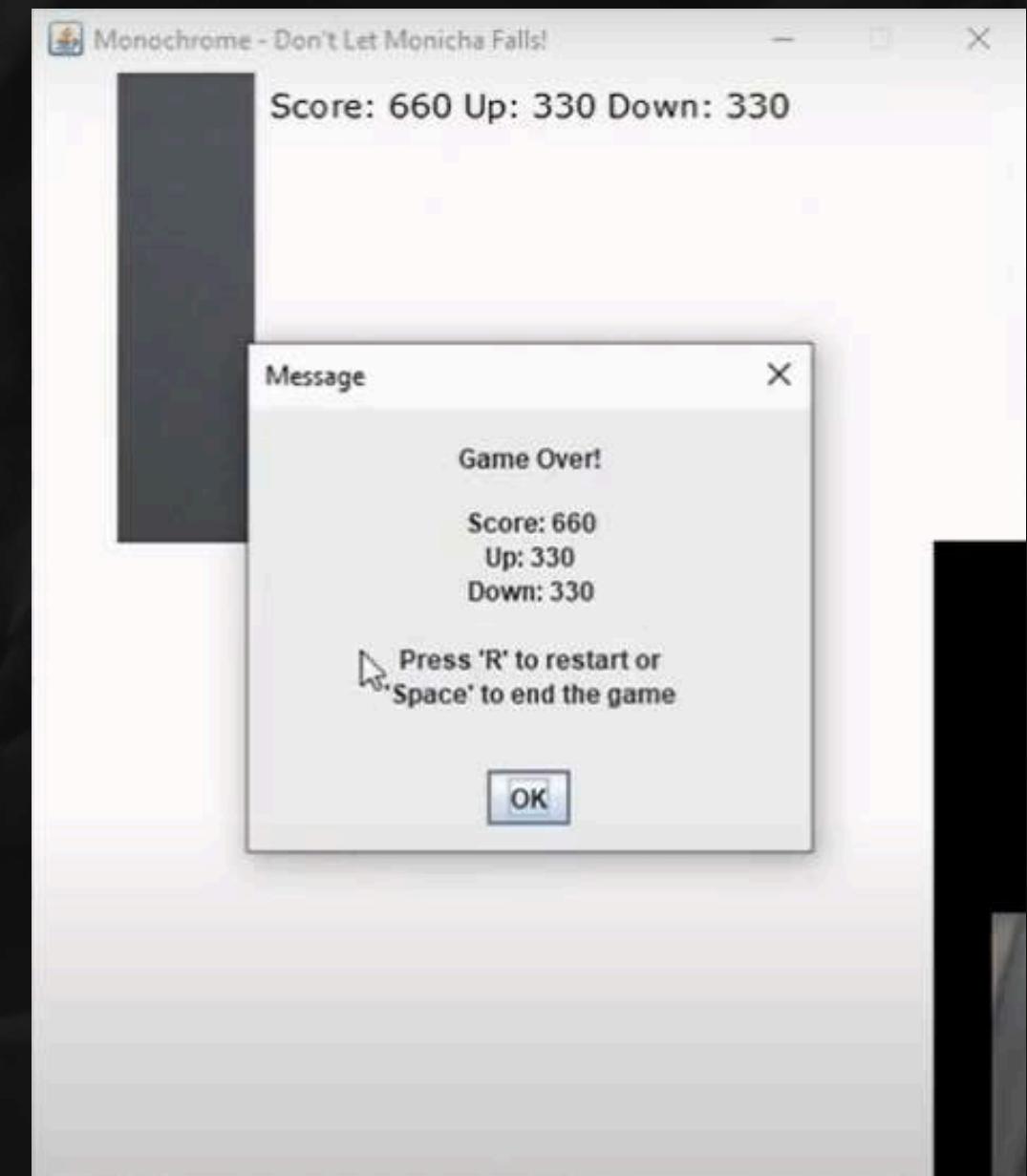
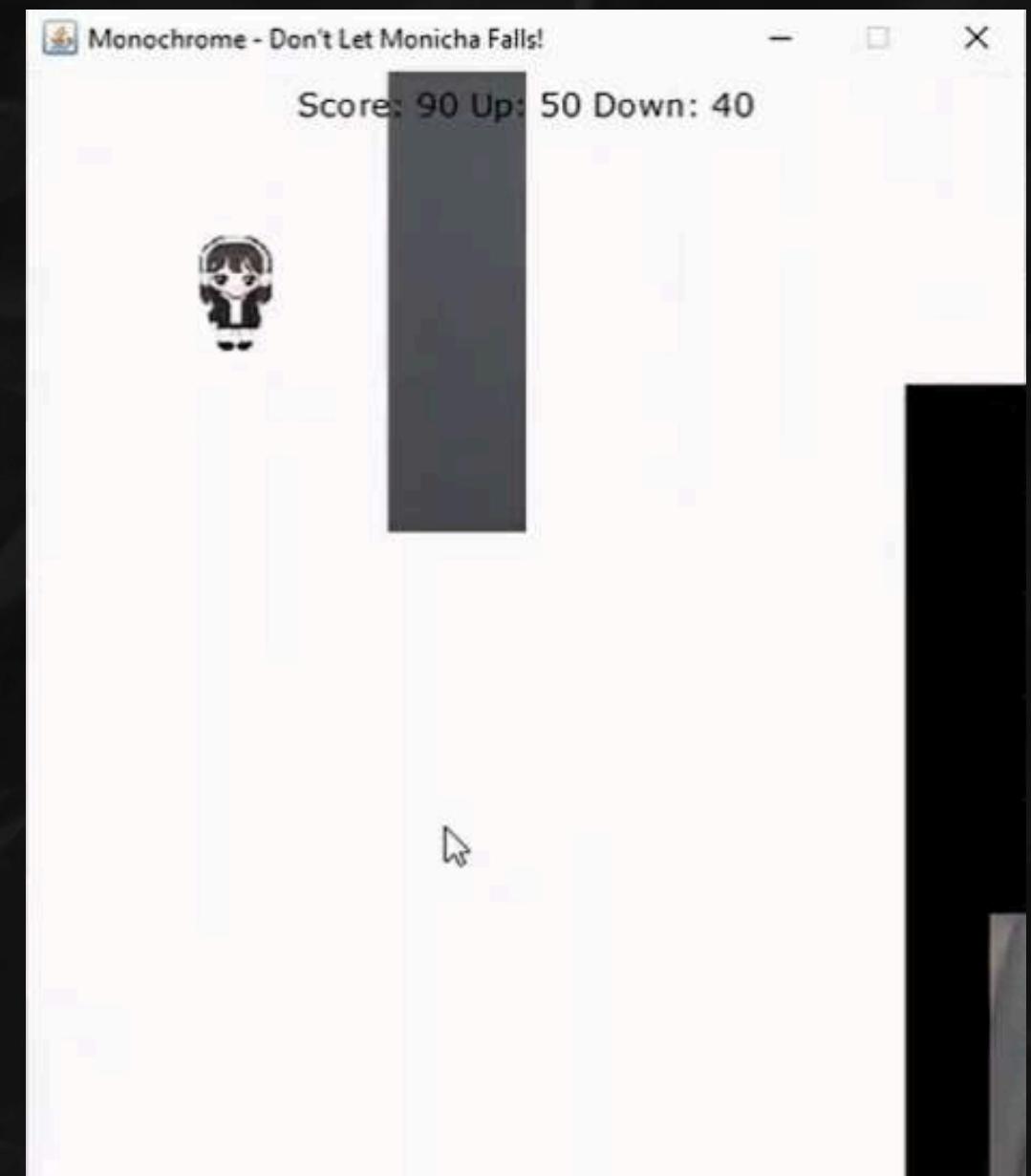
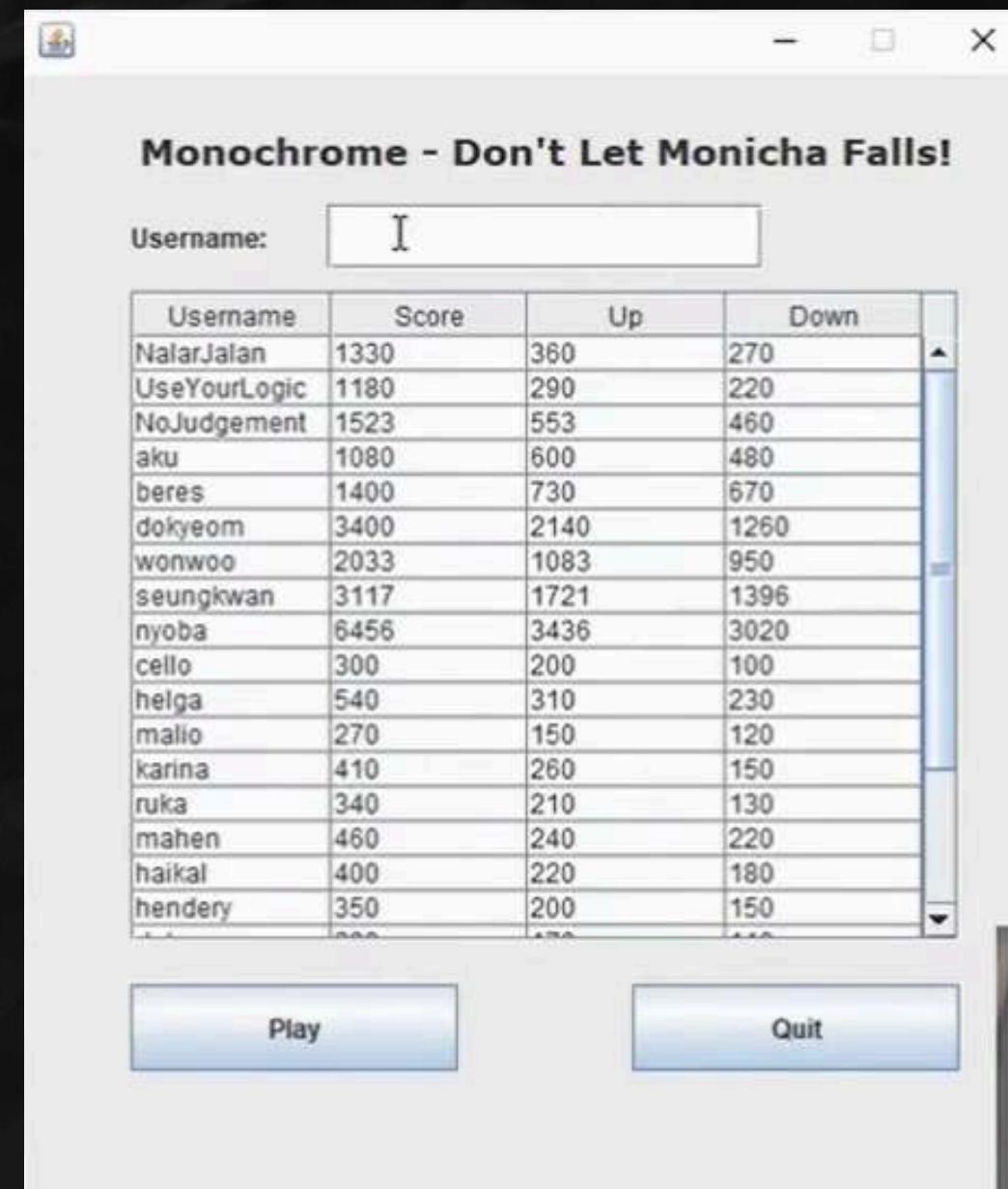
Confirm Password

Register

Sudah mempunyai akun? [Silakan login](#)

# PROJECT

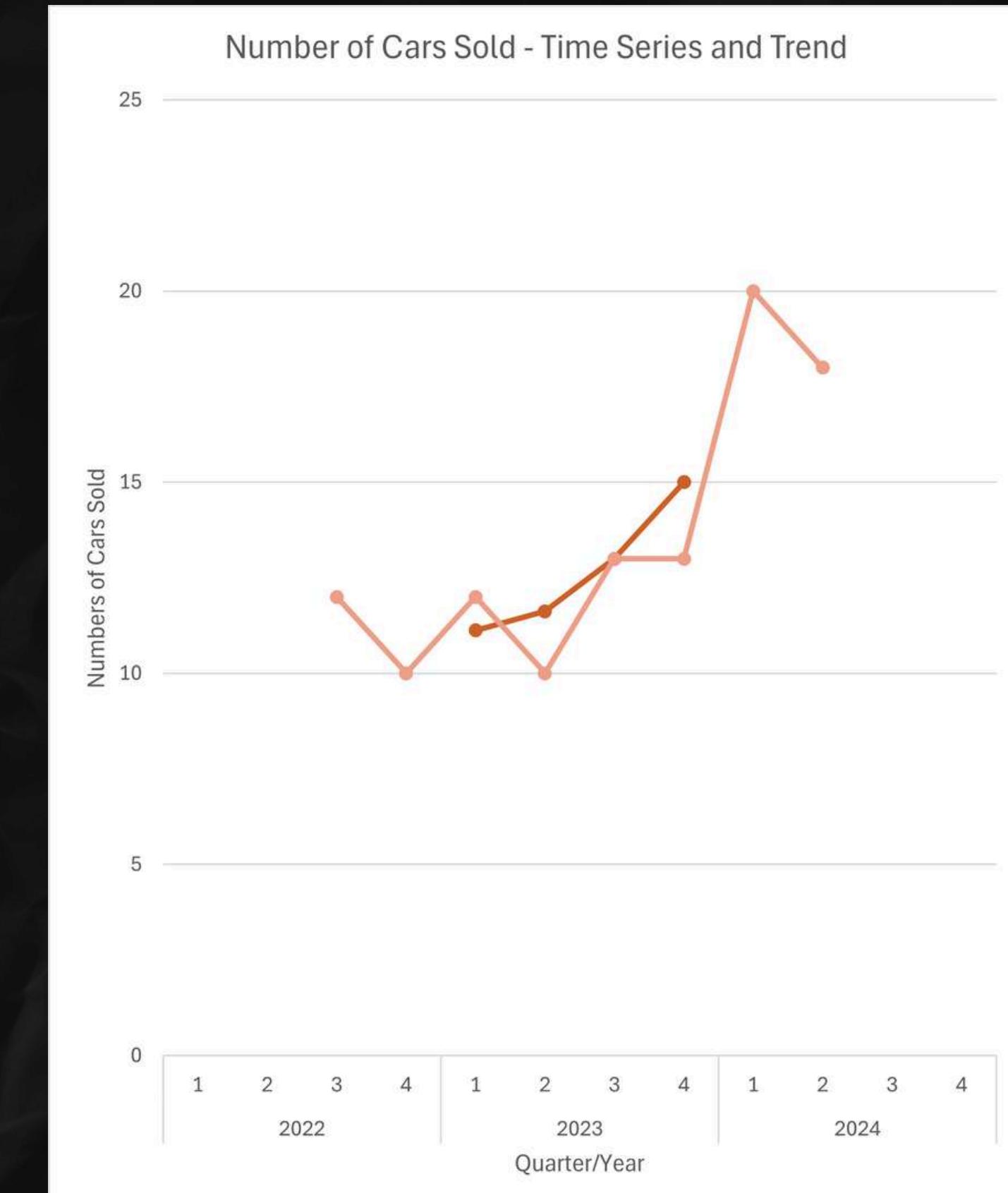
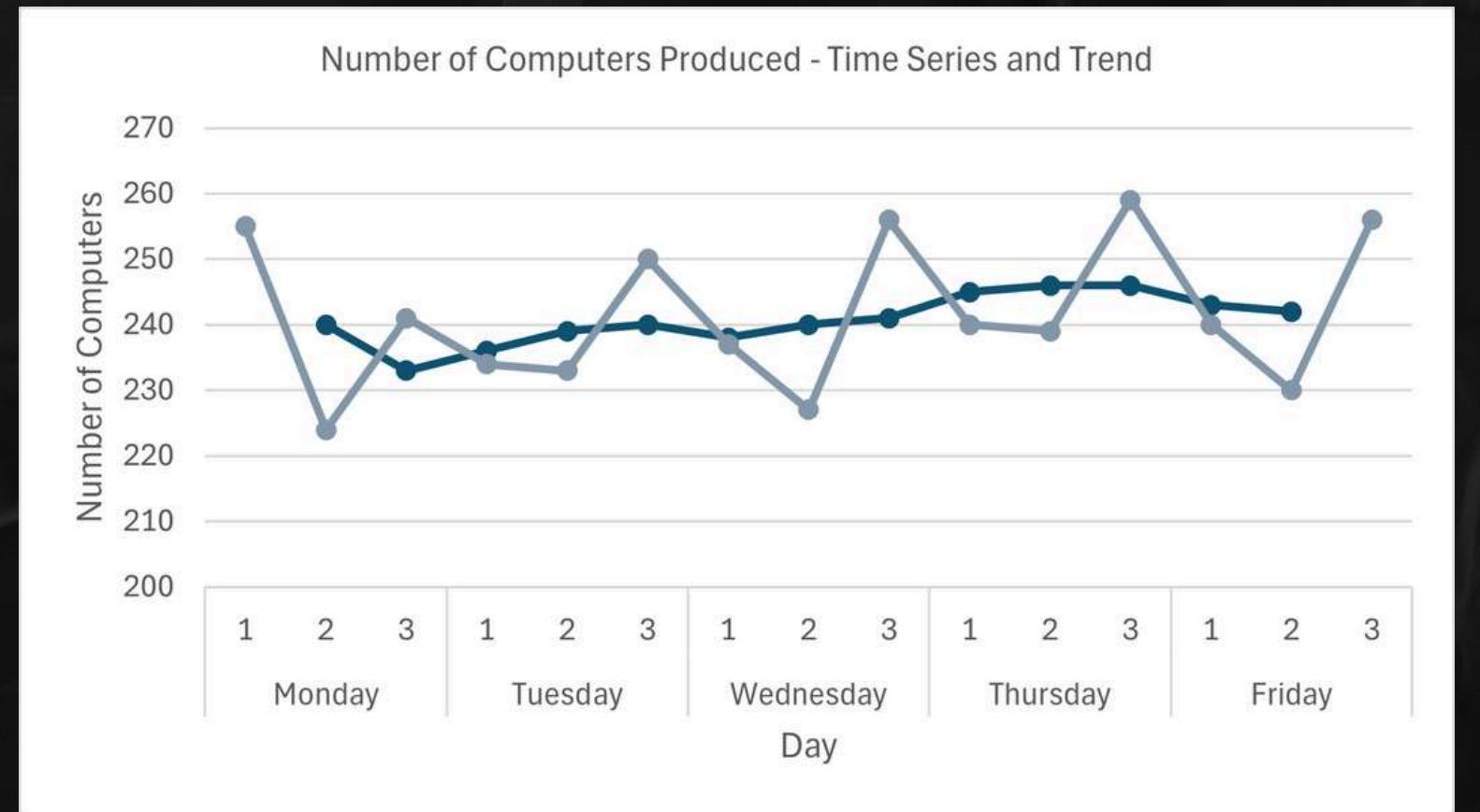
Game 'Up Down' dengan nama  
Monochrome - Don't Let Monicha  
Falls!



Link:

[Dokumentasi](#)

[Kode Program](#)



# PROJECT

UPI Summer Course 2024:  
"Data Analysis in Sustainable  
Development Goals Cases"

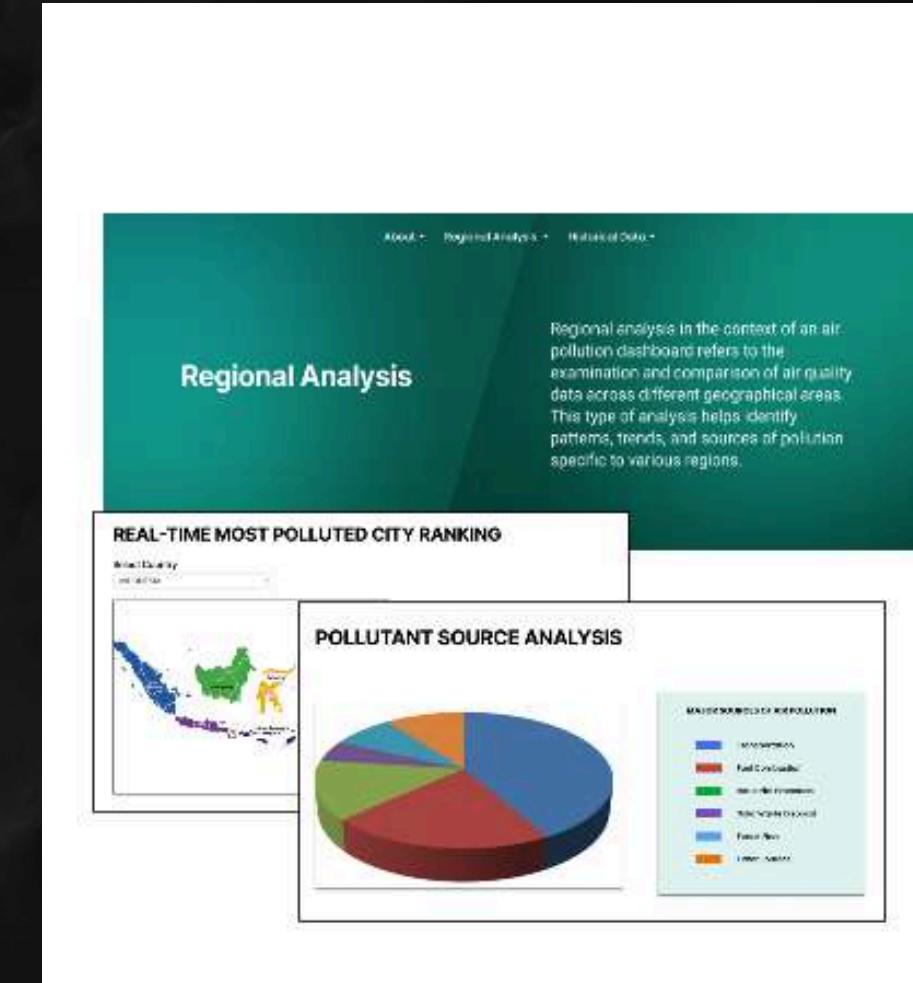
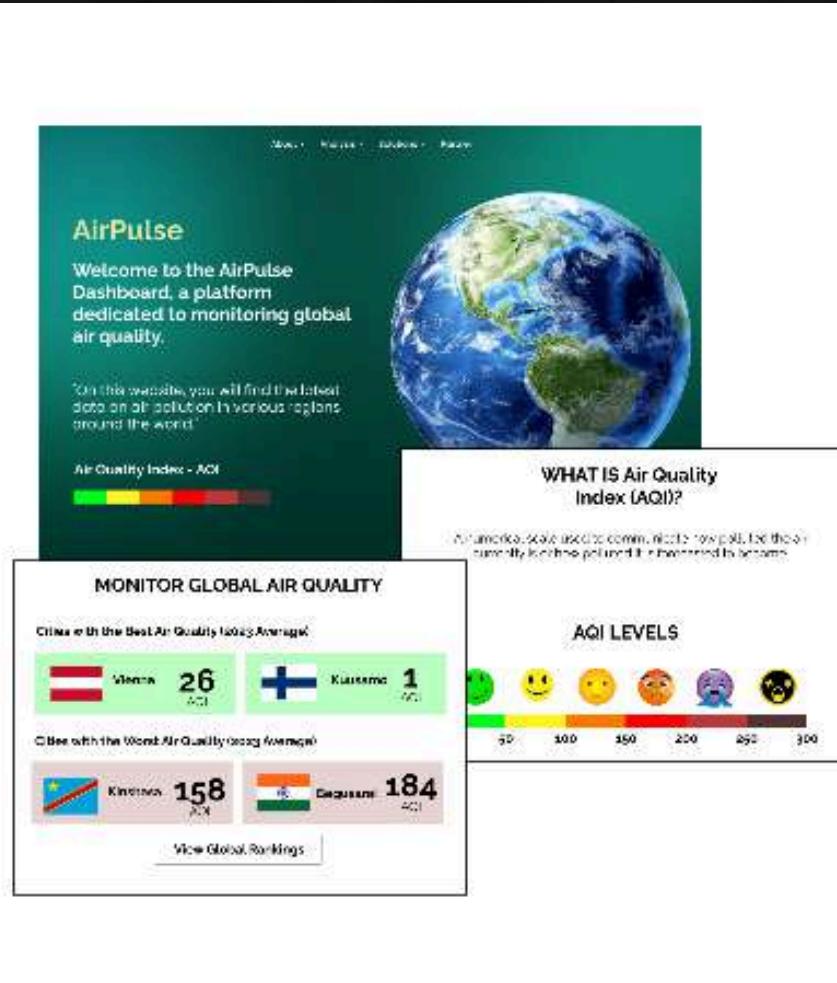
Course 6B: Time Series Data  
Analysis

Link:  
[Course 6B](#)

# CONTENT

## 1. HOME

- Providing an overview of the website as a platform that measures global air quality.
- Explaining the parameters used in the measurement, AQI (Air Quality Index).
- A rough monitor of air quality measurements, as an initial depiction.



# CONTENT

## 2. Regional Analysis Page

- Display further details about air quality in various regions.
- Display historical and real-time AQI data from different cities around the world.

# PROJECT

UPI Summer Course 2024:  
“Data Analysis in Sustainable  
Development Goals Cases”

Course 7B: Dashboard  
Design Concept (UI/UX)

Link:

[Course 7B](#)

# CONTENT

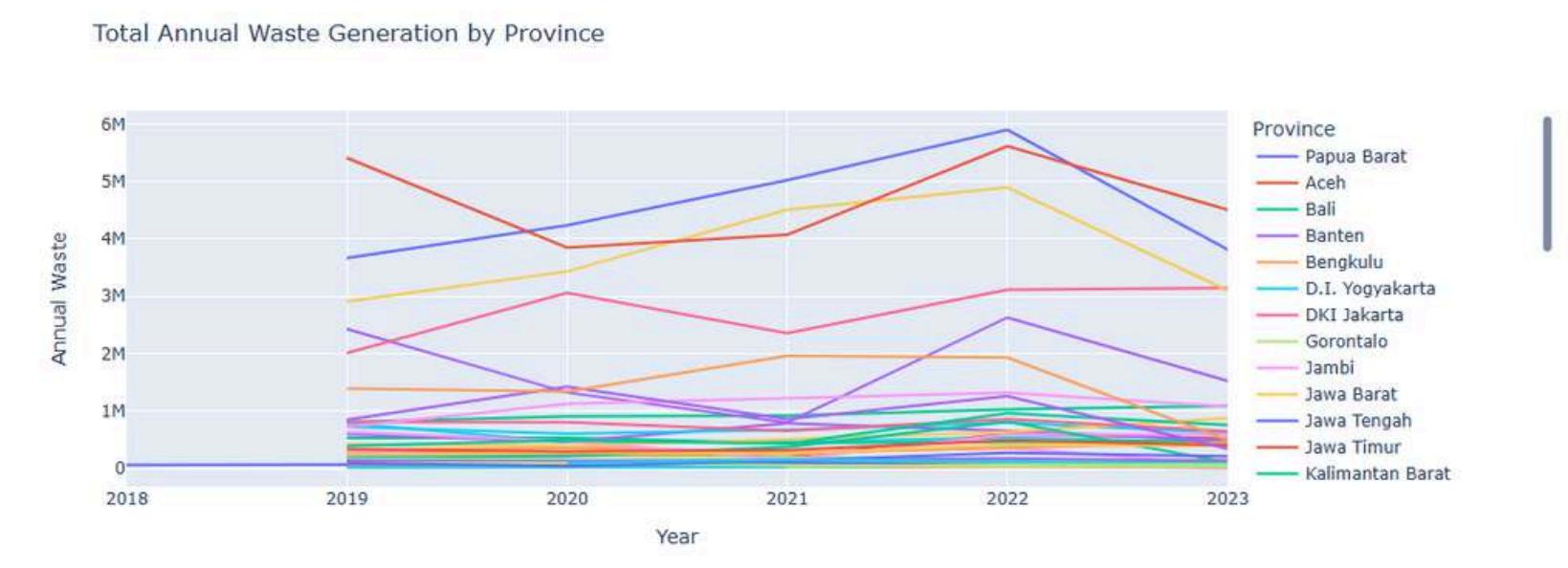
## 3. Solution

- Showcasing successful strategies and policies implemented to reduce air pollution in various countries or cities.
- Displaying information about technologies and innovations used to limit emissions and improve air quality.



# PROJECT

## Waste Data Visualization

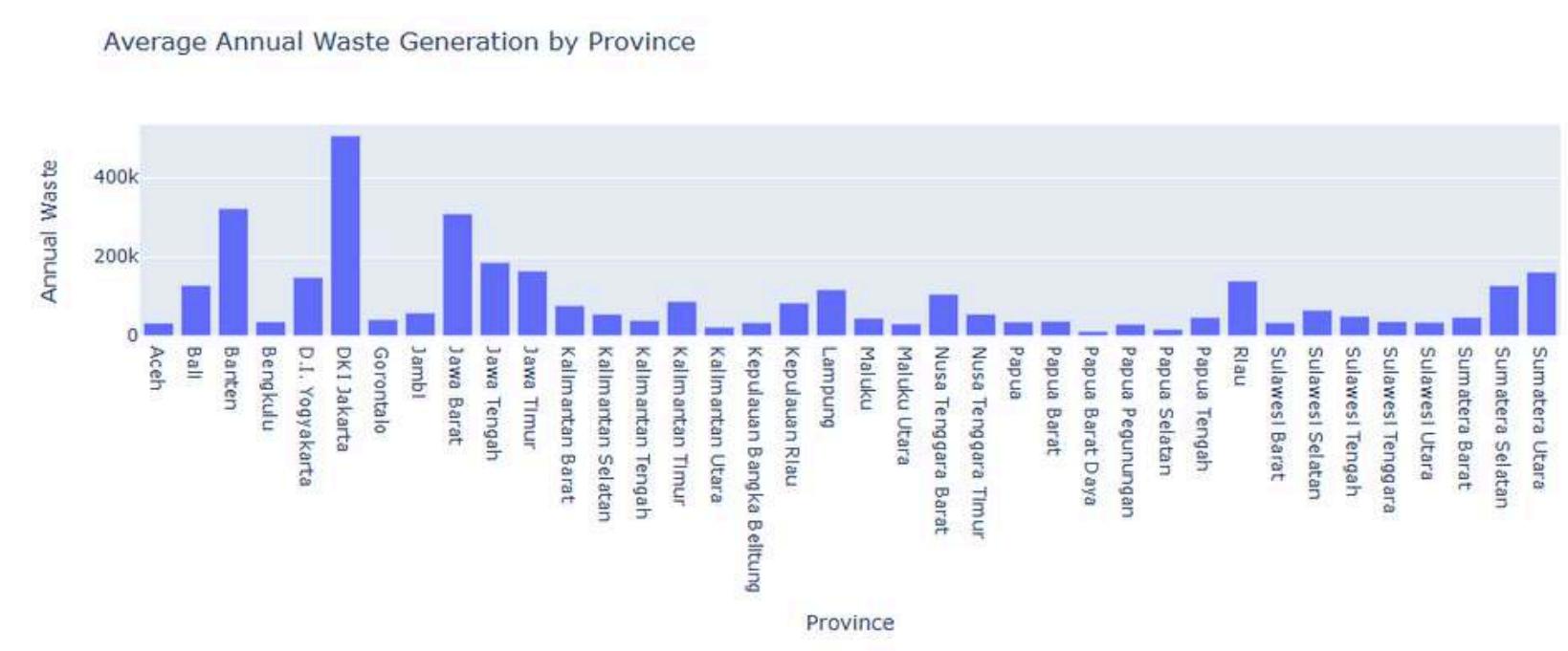


Link:  
Course 9B

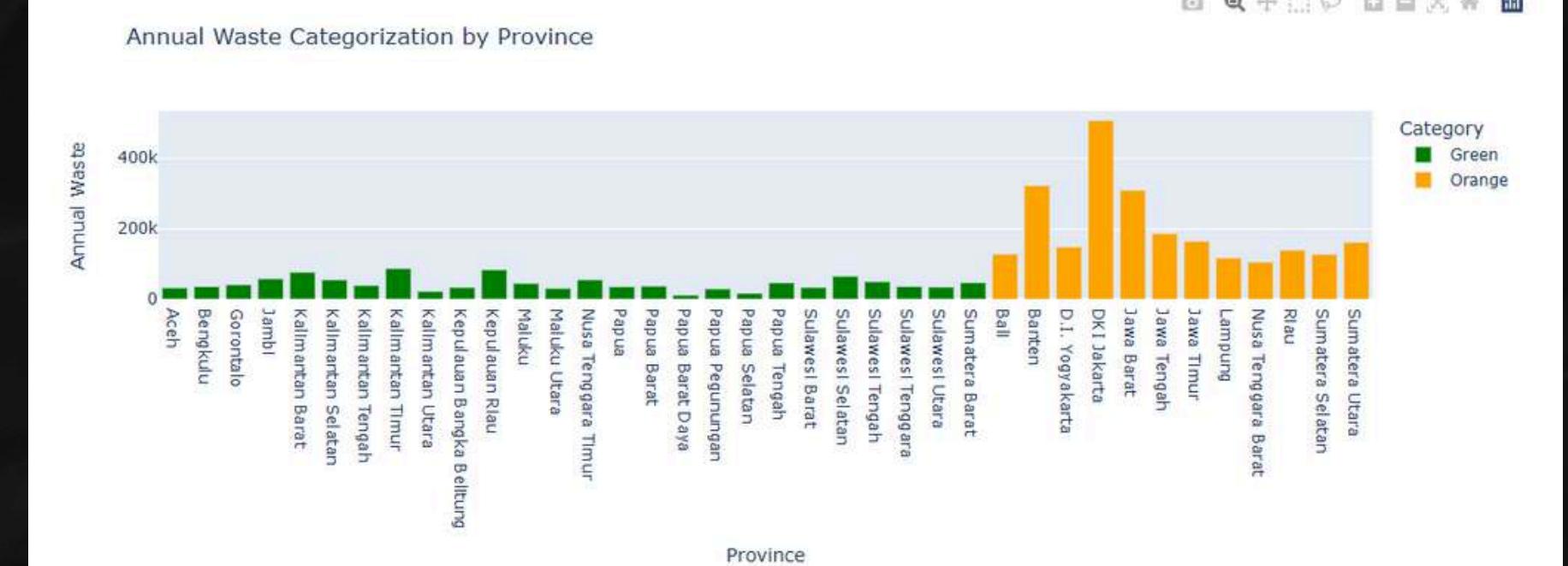
UPI Summer Course 2024:  
"Data Analysis in Sustainable  
Development Goals Cases"

Course 9B: Web  
Programming with Flask

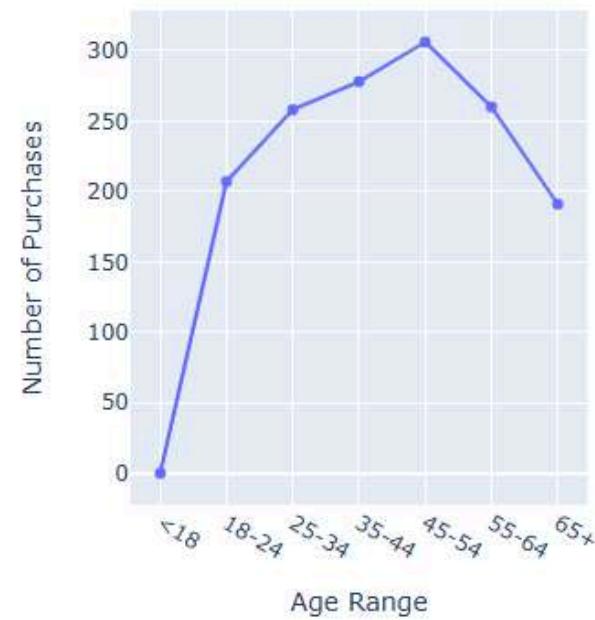
## Waste Data Visualization



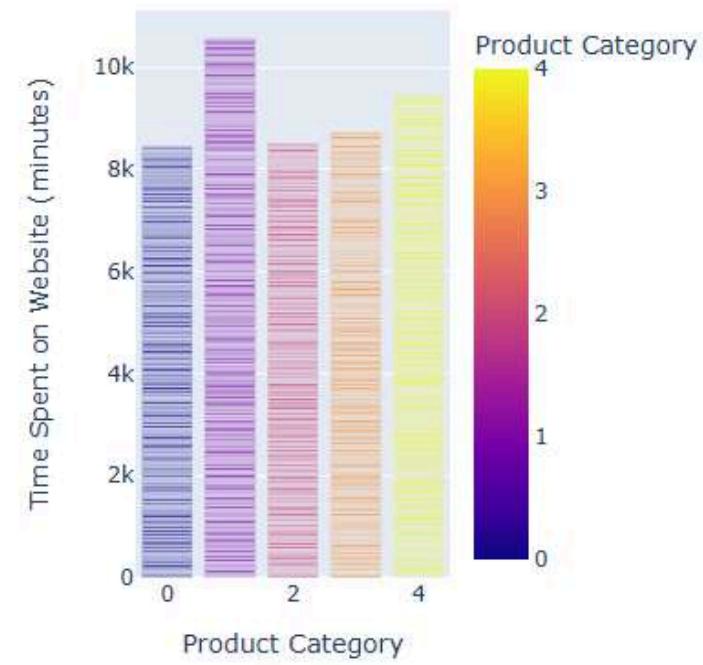
## Waste Data Visualization



Distribution Of Purchases By Age Range



Distribution Of Time Spent On Website



Customer Purchase Feature Importance Using Random Forest



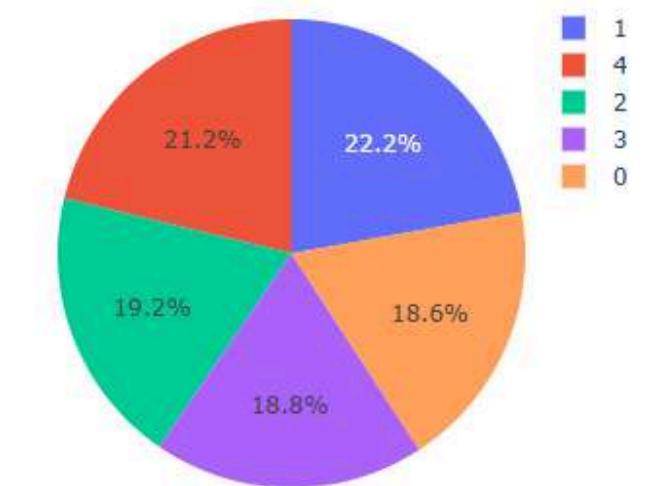
# PROJECT

UPI Summer Course 2024:  
"Data Analysis in Sustainable  
Development Goals Cases"

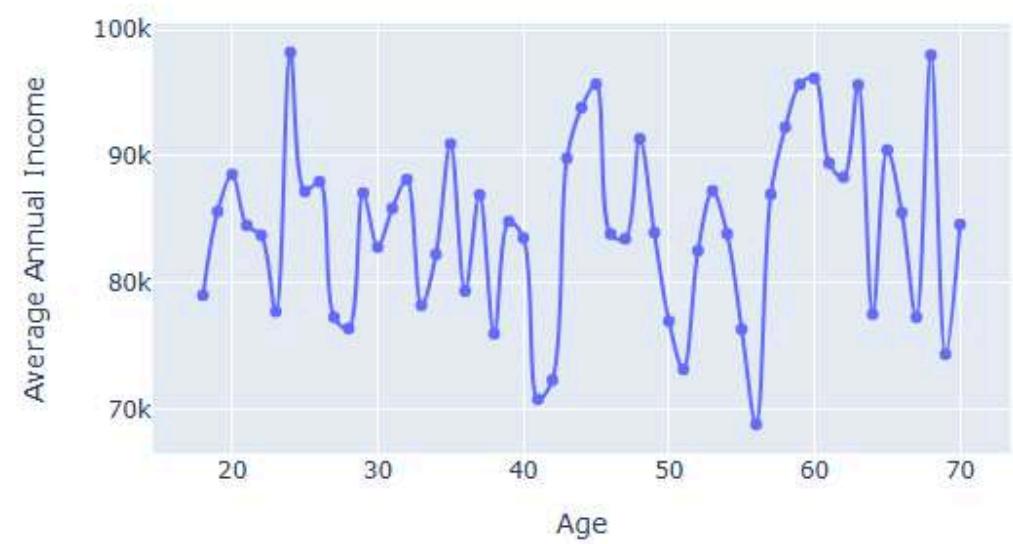
Final Project: Implementation of a  
Random Forest Model for  
Predicting Customer Behaviour with  
Data Visualization Using Flask

Link:  
[Final Project](#)

Distribution Of Purchases By Product Category



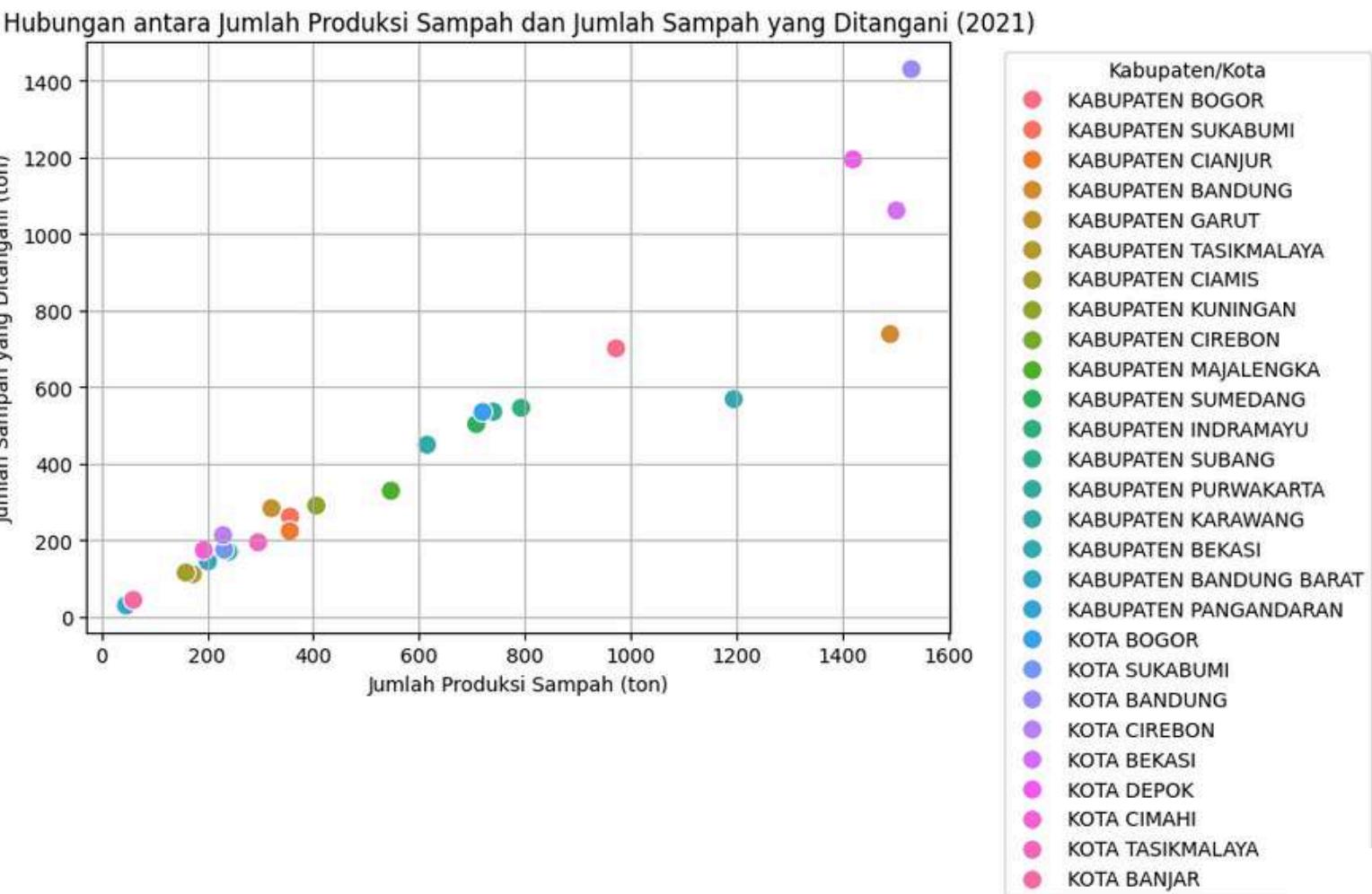
Distribution Of Annual Income By Age



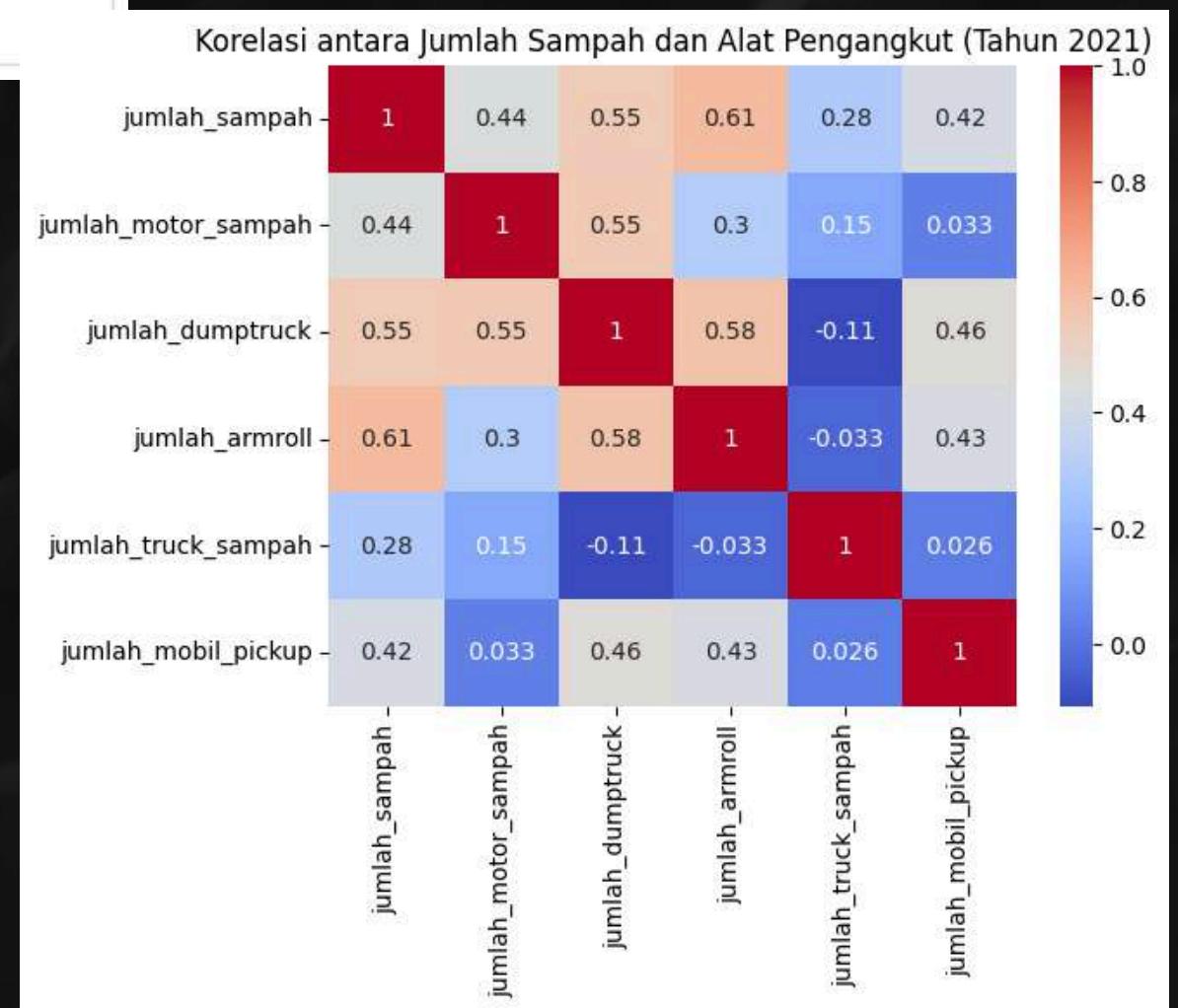
# PROJECT

Exploratory Data Analysis  
Pengelolaan Sampah di Jawa  
Barat: Hubungan  
Infrastruktur, Volume, dan  
Tingkat Pelayanan

Link Project:  
[Google Colab](#)



Analisis Hubungan antara Jumlah Produksi Sampah dan Jumlah Sampah yang Ditangani (2021): Wilayah dekat garis diagonal memiliki pengelolaan sampah baik, dengan hampir semua sampah terkelola. Sebaliknya, wilayah jauh dari diagonal memerlukan perhatian lebih jika sampah yang dihasilkan jauh lebih banyak daripada yang dikelola.



```

XGBoost Classifier Results
Accuracy: 0.7745416826917474
Classification Report:
precision    recall   f1-score   support
0            0.75     0.46      0.57     27700
1            0.78     0.93      0.85     58103
accuracy                           0.77     85803
macro avg       0.76     0.69      0.71     85803
weighted avg    0.77     0.77      0.76     85803

Confusion Matrix:
[[12613 15087]
 [ 4258 53845]]

```

```

Random Forest Classifier Results
Accuracy: 0.8709019498152746
Classification Report:
precision    recall   f1-score   support
0            0.88     0.69      0.78     27700
1            0.87     0.96      0.91     58103
accuracy                           0.87     85803
macro avg       0.88     0.82      0.84     85803
weighted avg    0.87     0.87      0.87     85803

Confusion Matrix:
[[19111  8589]
 [ 2488 55615]]

```

```

Best Hyperparameters: {'bootstrap': True, 'max_depth': 19, 'max_features': 'sqrt', 'min_samples_leaf': 1, 'min_samples_split': 4, 'n_estimators': 60}
Accuracy after Tuning: 0.8087596004801697
Classification Report:
precision    recall   f1-score   support
0            0.86     0.49      0.62     27700
1            0.80     0.96      0.87     58103
accuracy                           0.81     85803
macro avg       0.83     0.73      0.75     85803
weighted avg    0.82     0.81      0.79     85803

Confusion Matrix:
[[13557 14143]
 [ 2266 55837]]

```

Sample Prediction Results:		
	True Values	Predicted Values
93226	1	1
189598	0	0
290590	1	1
366189	1	1
209851	1	1
335407	1	1
317825	1	1
294924	1	1
31630	1	1
78631	0	0
76005	1	1
249009	1	1
131199	1	1
420346	0	0
26351	1	1
21154	0	0
86676	0	0
314776	1	1
292444	1	1
225852	1	1

# PROJECT

Prediksi Pesanan Online Shop  
DATA MINING CUP 2013

Link Project:  
[Google Colab](#)

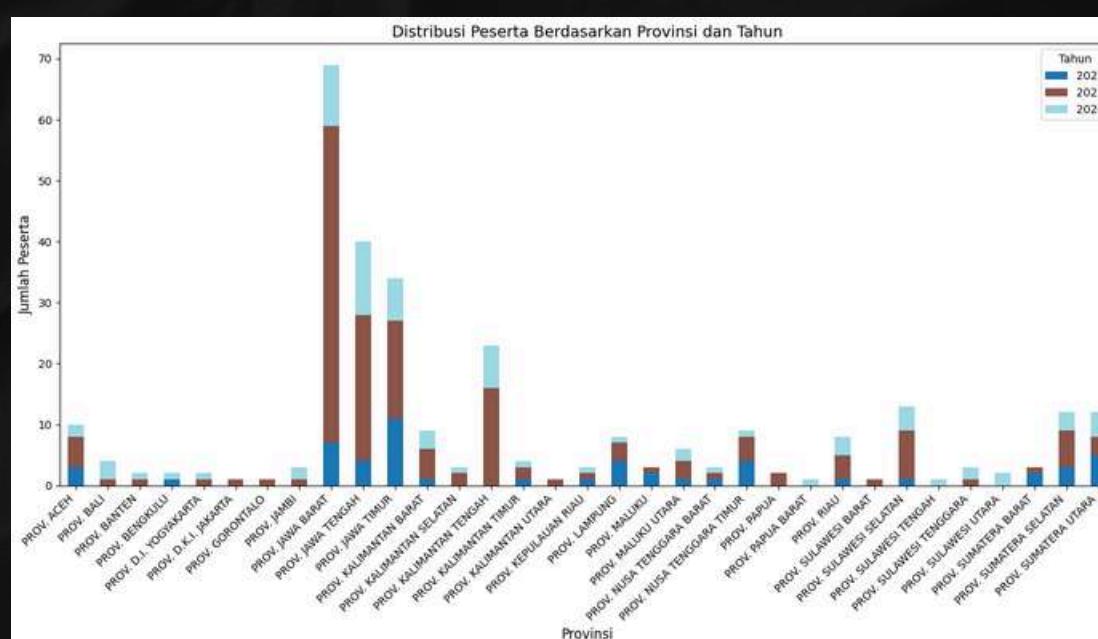
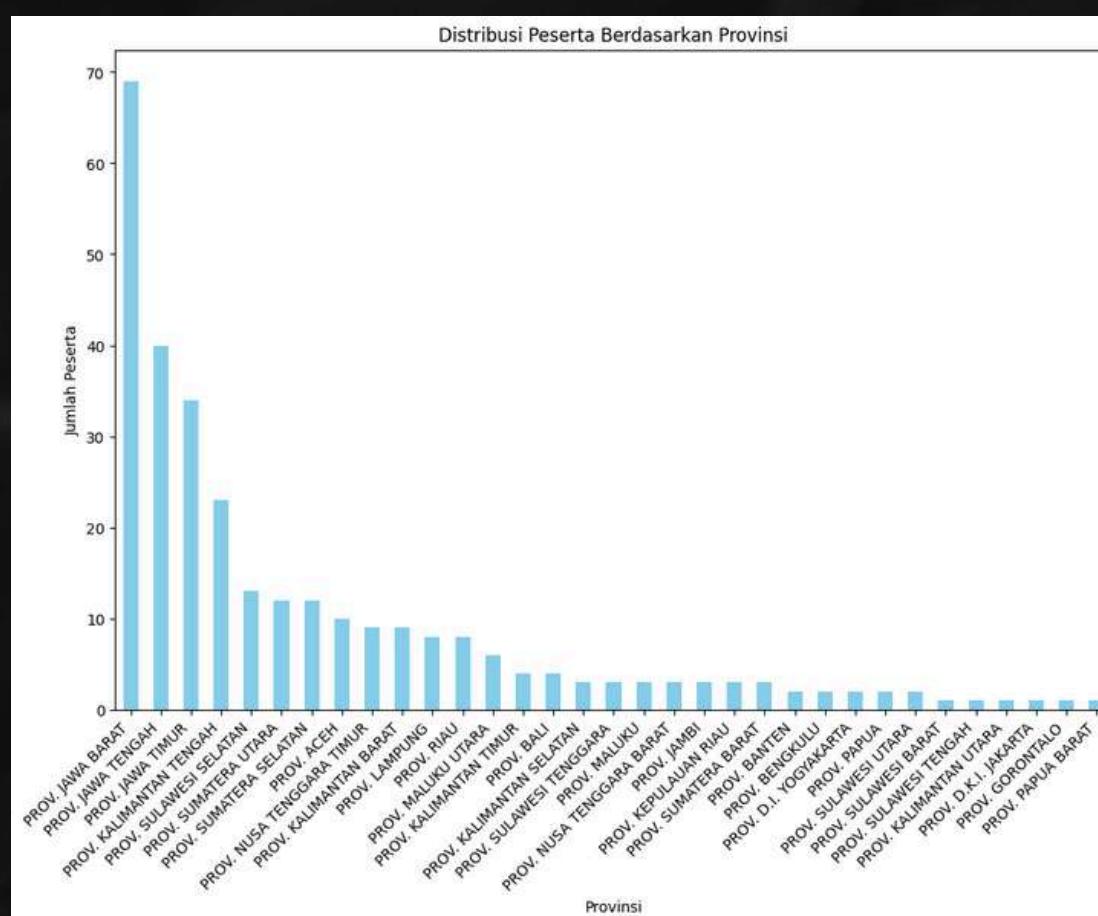
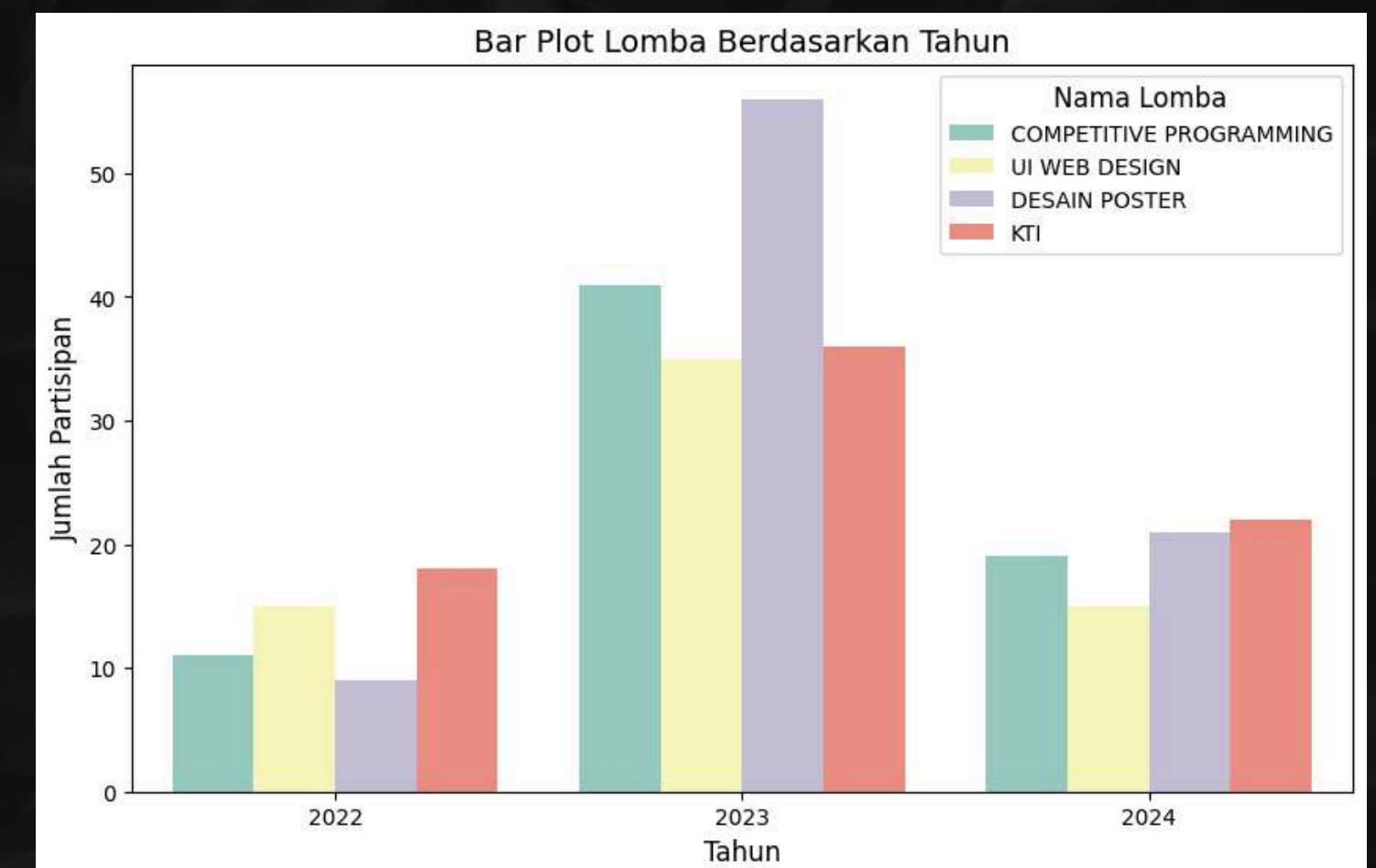
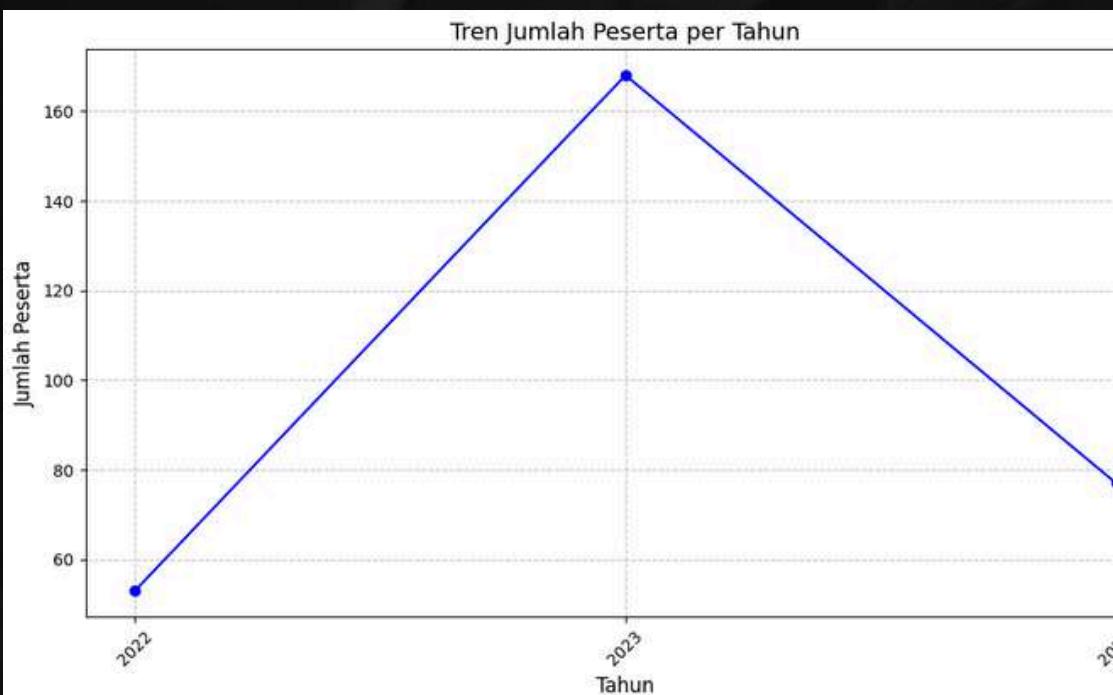
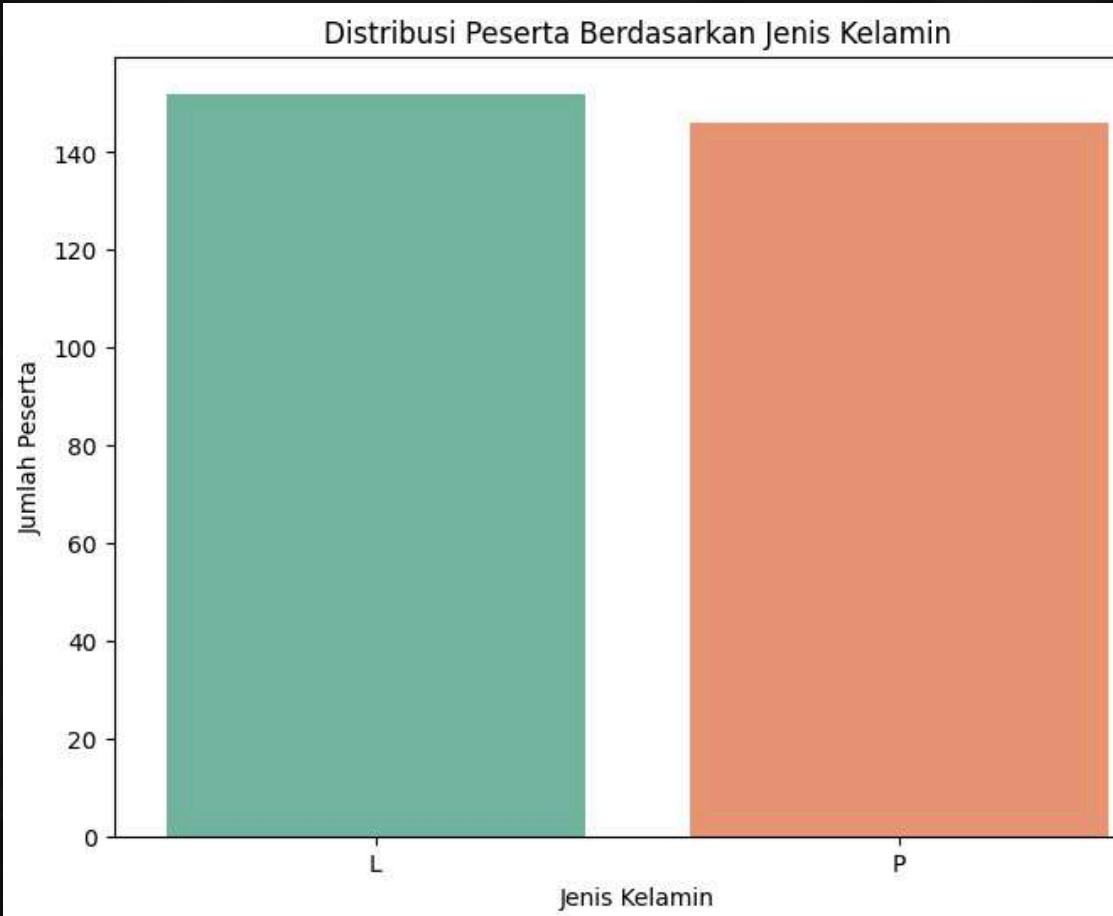
Hasil:

Model Random Forest menunjukkan performa unggul dengan akurasi tinggi, mampu mengklasifikasikan data kelas 1 dengan baik tanpa bias signifikan. Model ini dapat diandalkan, meski optimisasi hyperparameter masih dapat meningkatkan akurasi.

# PROJECT

Data Analisis dengan Studi Kasus Sebaran  
Asal Sekolah dengan Tujuan menjadikan  
Perlombaan DINAMIK menjadi Perlombaan  
Level Nasional

Link:  
Sebaran Data Sekolah





WORK  
WITH ME?



Syifa Azzahra



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