

MANUAL BOOK

AI IMAGE GENERATIVE PROMPT CLASSIFICATION



PBL IF 23 – 2 – 16

Anggota Kelompok :

1. 3312211055 – Samuel Parsaoran Tambunan
2. 3312211004 – Sechan Faradila Sahab
3. 3312211006 – Muhamad Rafiansyah
4. 3312211008 – Putra Ramadhan
5. 3312211073 – Alpaber Pardomuan Tambunan

Daftar Isi

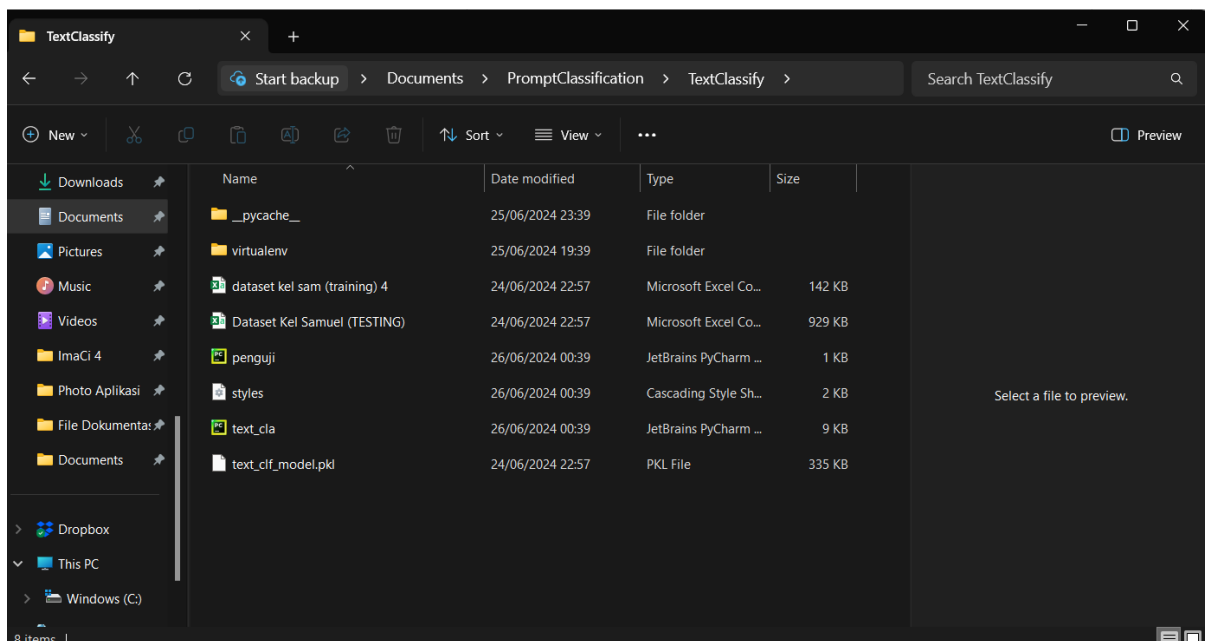
Petunjuk Penggunaan Aplikasi AI Image Generative Prompt Classification	3
A. Cara Instalasi	3
B. Melakukan Training & Testing Data.....	5
C. Mengklasifikasikan Prompts pada Dataset.....	6
D. Mengklasifikasikan sebuah Prompt	7

Petunjuk Penggunaan Aplikasi AI Image Generative Prompt Classification

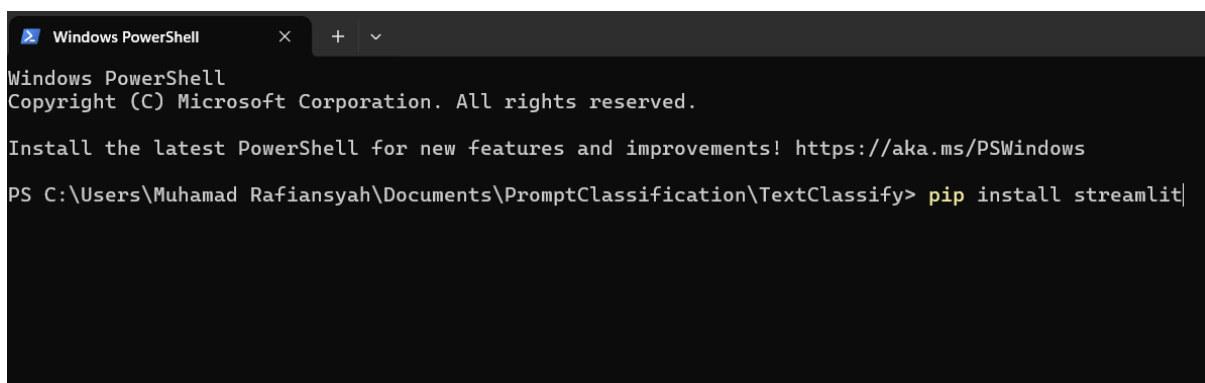
AI Image Generative Prompt Classification adalah aplikasi berbasis AI yang dapat mengklasifikasikan prompts hasil *generative image* sesuai dengan kelasnya. Menggunakan Bahasa Python dan Streamlit.

A. Cara Instalasi

- Masuk ke dalam folder aplikasi



- Install Streamlit dengan cara buka terminal (klik kanan mouse dan pilih "Open in Terminal") dan masukkan perintah 'pip install streamlit'.



- Install Module dan Dependencies yang dibutuhkan untuk menjalankan aplikasi dengan metode yang sama seperti menginstall streamlit.

- Jalankan aplikasi dengan cara ketik perintah 'streamlit run text_cla.py' pada terminal.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Muhamad Rafiansyah\Documents\PromptClassification\TextClassify> streamlit run text_cla.py

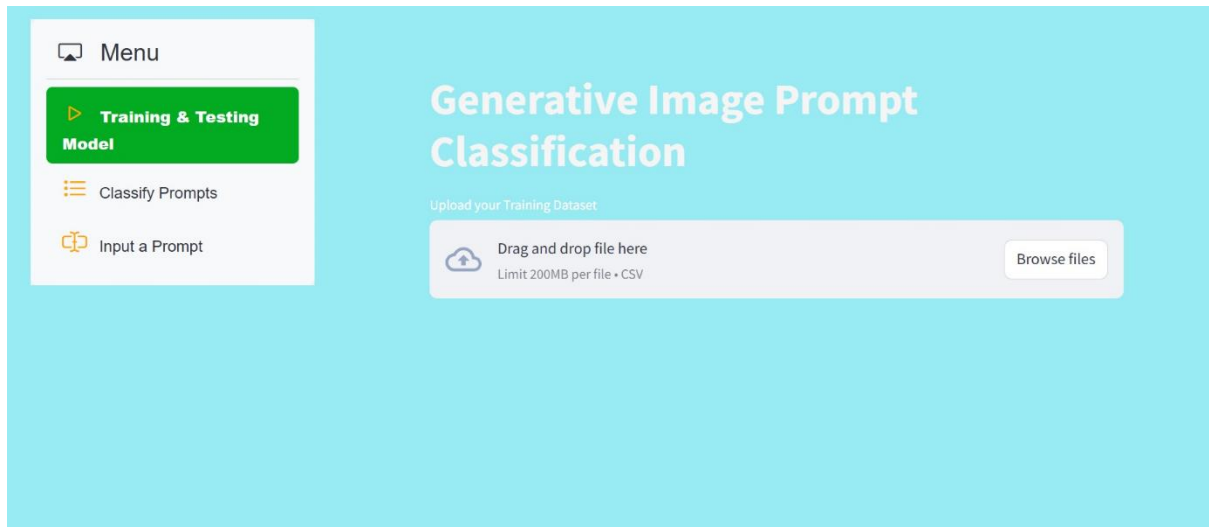
You can now view your Streamlit app in your browser.

Local URL: http://localhost:8503
Network URL: http://192.168.43.196:8503

[nltk_data] Downloading package punkt to C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package punkt is already up-to-date!
[nltk_data] Downloading package stopwords to C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package stopwords is already up-to-date!
[nltk_data] Downloading package wordnet to C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package wordnet is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data] C:\Users\Muhamad
[nltk_data] Rafiansyah\AppData\Roaming\nltk_data...
[nltk_data] Package averaged_perceptron_tagger is already up-to-
[nltk_data] date!
```

B. Melakukan Training & Testing Data

- Masuk ke halaman Training & Testing Data.

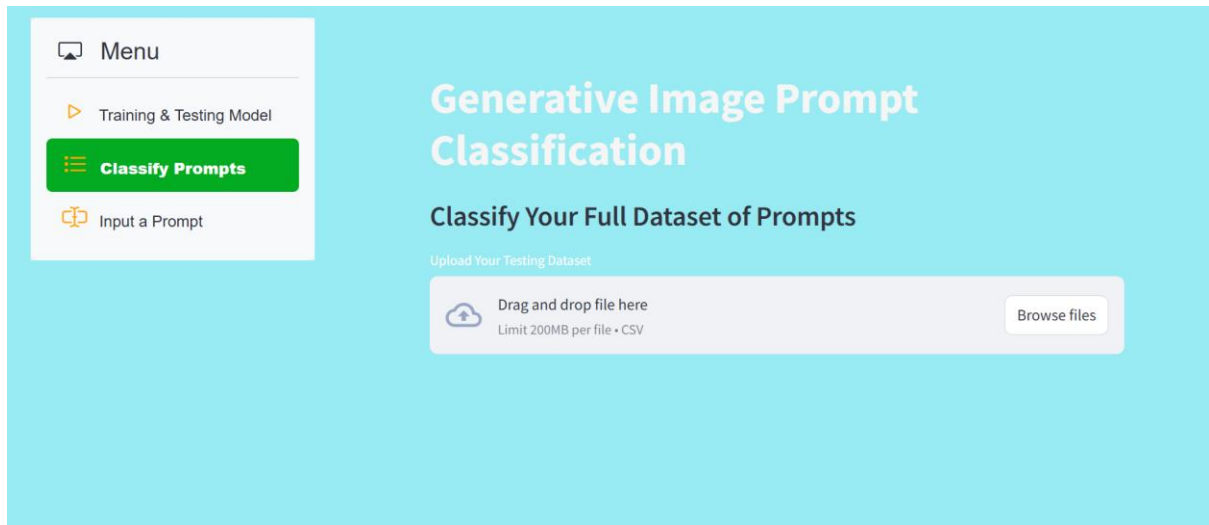


- Lakukan Training dengan cara memasukkan Dataset untuk Training.
- Model akan melakukan training dan menghasilkan output berupa Testing serta akurasi dari model



C. Mengklasifikasikan Prompts pada Dataset

- Masuk ke halaman Classify Prompts



- Masukkan Dataset yang ingin diklasifikasikan
- Model akan mengklasifikasikan setiap prompt yang ada pada Dataset

	deskripsi	kelas
0	flower line art clean and simple, flower is white but bold black lines create the shape	flower
1	tulip flower line art clean and simple, flower is white but bold black lines create the s	flower
2	rose flower line art clean and simple, flower is white but bold black lines create the sl	flower
3	dahlia flower line art clean and simple, flower is white but bold black lines create the	flower
4	daisy flower line art clean and simple, flower is white but bold black lines create the s	flower
5	orchid flower line art clean and simple, flower is white but bold black lines create the	flower
6	forest flower, myth fern flower, imagination, slavic plant	flower
7	random flower patten, flower texture for print --v 6.0	flower
8	printable flower patterns, watercolor, flower texture, colorful --v 6.0 --s 750	flower
9	beautiful full body of a black model woman with a blue rose flower covering entire fa	flower

D. Mengklasifikasikan sebuah Prompt

- Masuk ke halaman Input a Prompt
- Ketik Prompt yang ingin diklasifikasikan
- Model akan menentukan Class yang sesuai dengan Prompt yang diketik.

The screenshot shows a web application interface for 'Generative Image Prompt Classification'. On the left is a sidebar menu with three items: 'Menu' (with a speech bubble icon), 'Training & Testing Model' (with a play button icon), and 'Classify Prompts' (with a list icon). Below these is a green button labeled 'Input a Prompt' with a speech bubble icon. The main content area has a light blue background. At the top, it says 'Generative Image Prompt Classification' in large white text. Below that, it says 'Enter a new prompt for classification:' in small text. There is a text input field containing the word 'Tulip'. Below the input field is a red button labeled 'Classify'. Below the 'Classify' button is a green box containing the text 'Predicted class: flower'. At the bottom of the main area, it says 'Data saved to SQLite database'.