# DEPLOYMENT IN STREAMLIT

## With Git and GitHub

TUTORIAL UNTUK MEMBUAT WEB DATA SCIENCE DENGAN MUDAH

# Oleh :


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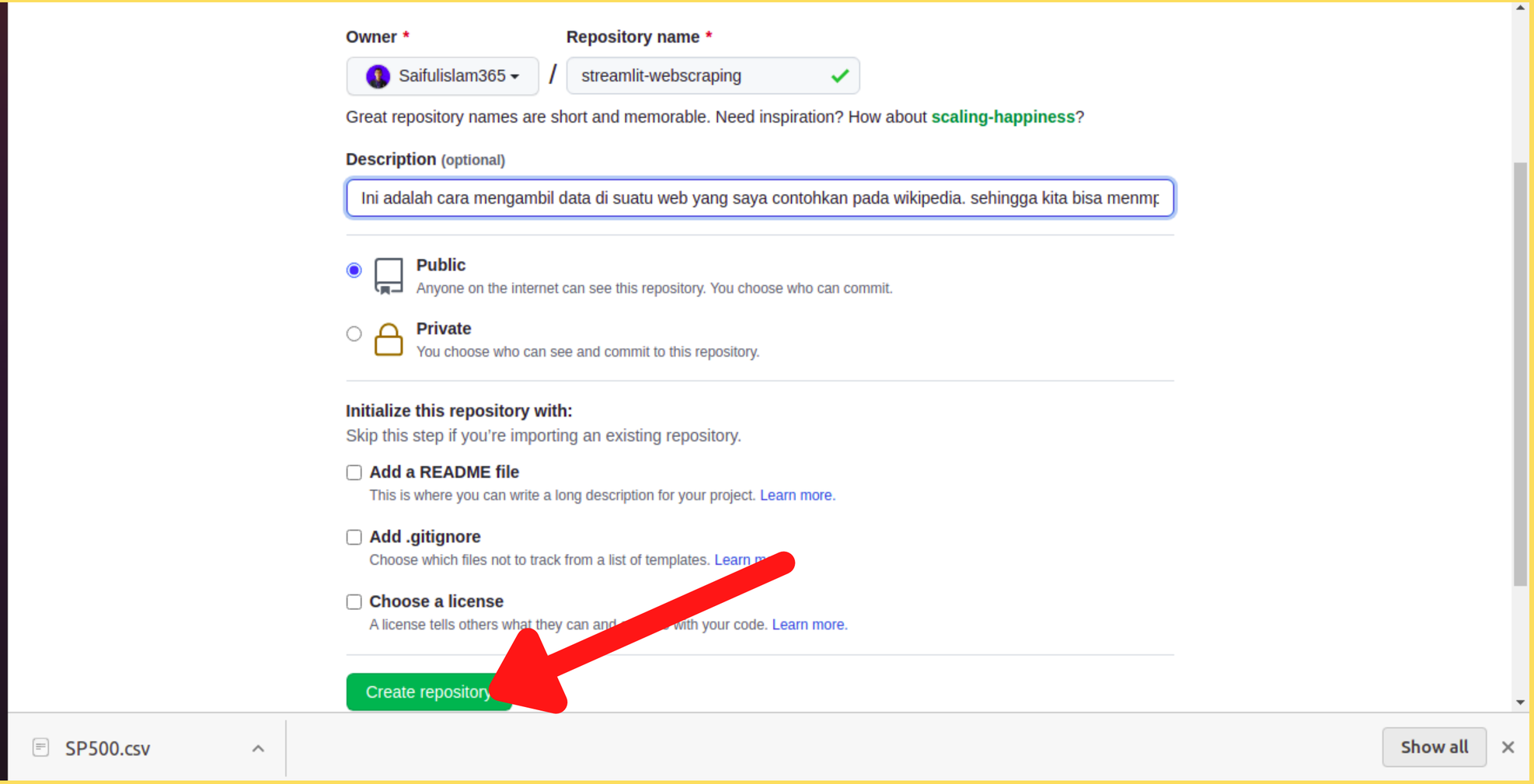
Prodi Pend. Matematika

Universitas Nurul Jadid

# STEP 1 MEMBUAT REPOSITORY BARU




NEW

**New Repo Name = "streamlit-webscraping"**

# STEP 2

# MEMBUAT REQUIREMENTS.TXT

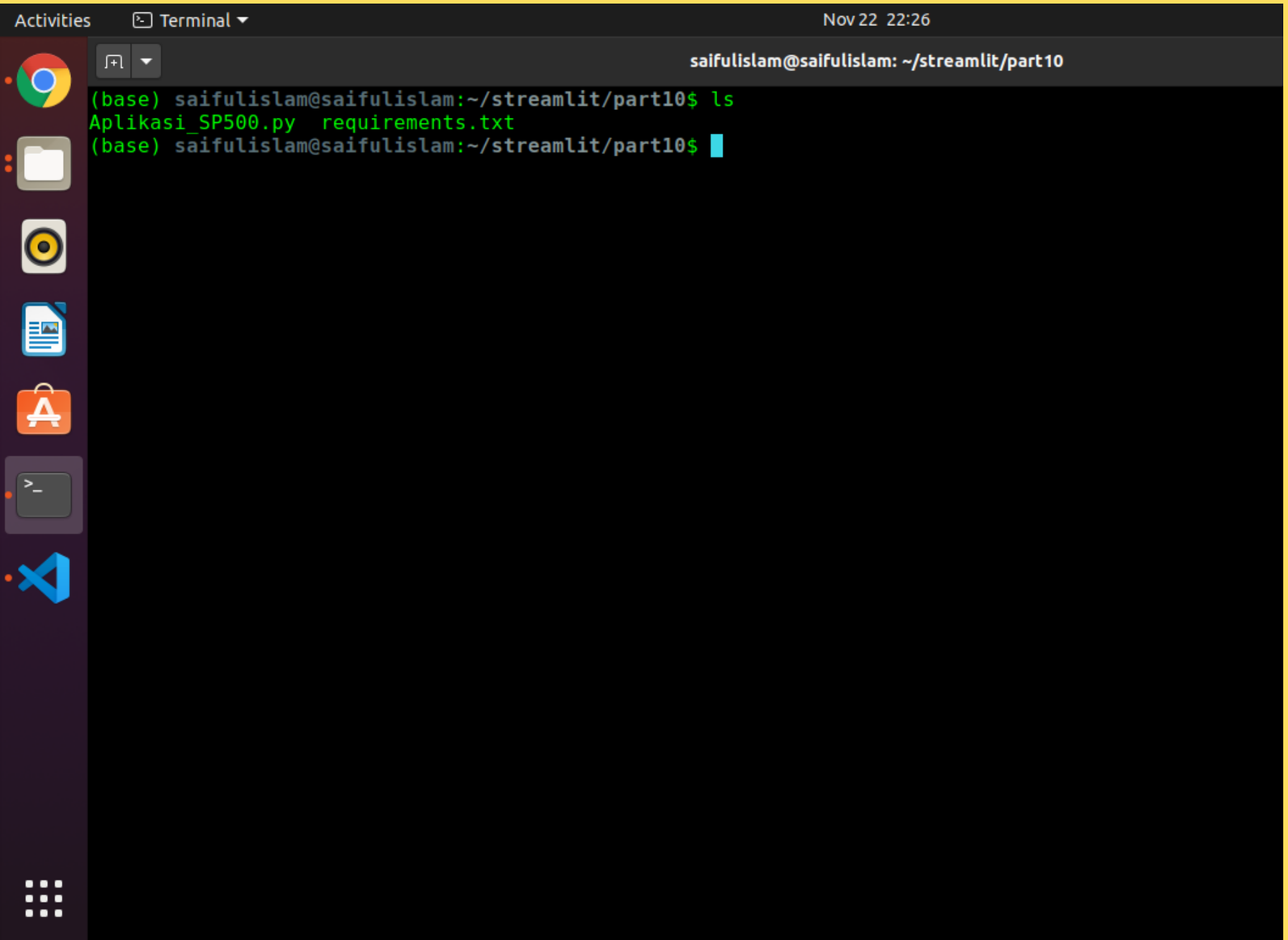
**Ketik**

**"pip freeze > requirements.txt"**

**"cat requirements.txt"**

**requirement.txt adalah semua modul yang pernah kita install**

# BAHAN PERTAMA




requirements.txt
buatan kita dan
File
Aplikasi_SP500.py

# STEP 3 EDIT REQUIREMENTS.TXT

**Inilah hasil requirement kita . tetapi isinya seluruh library python kita**

# STEP 4

# EDIT DENGAN VS.CODE

Visual Studio Code

**Inilah Modul Yang perlu ditulis di txt**

**Ketik di terminal**

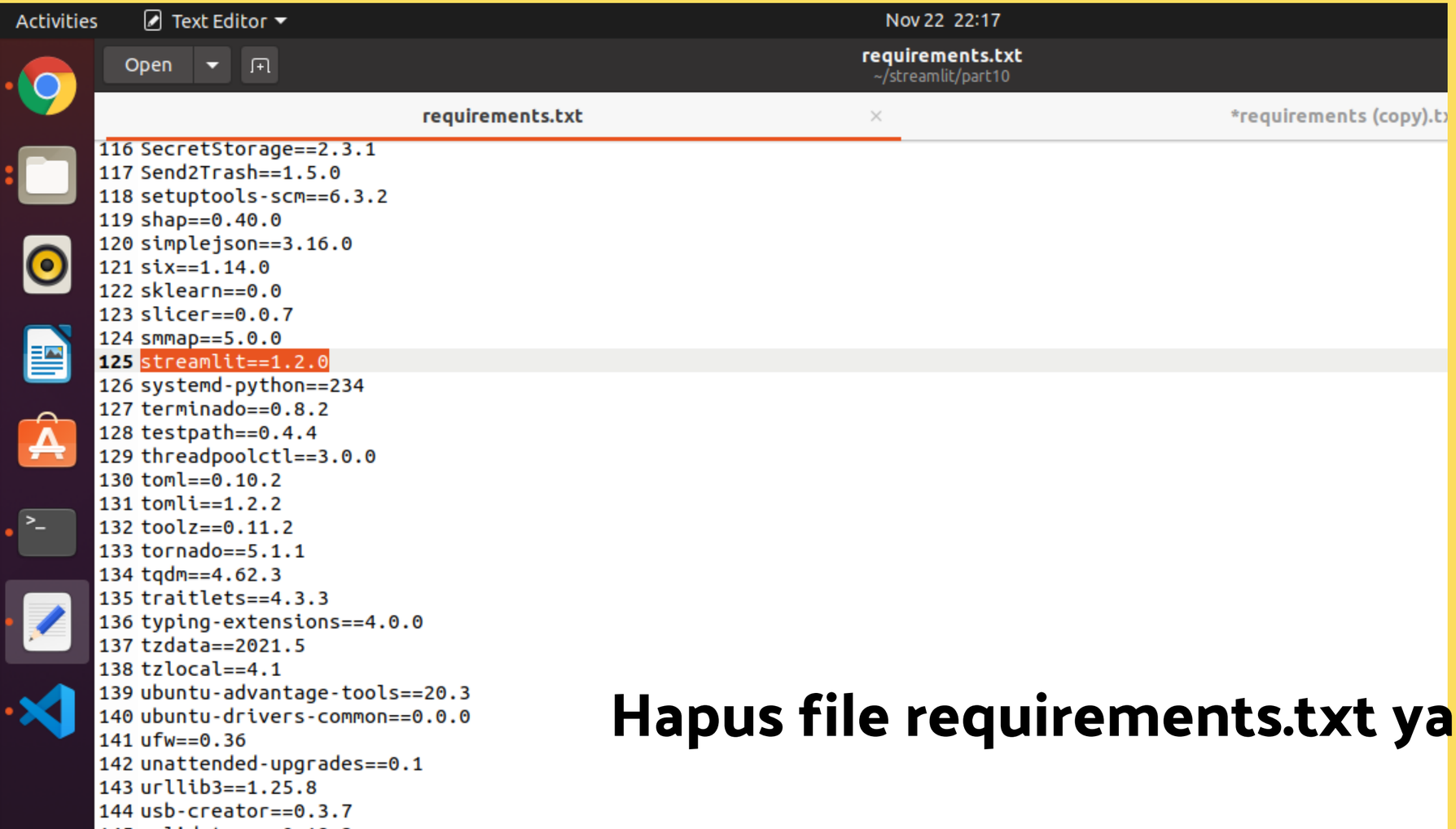
**”code .”**

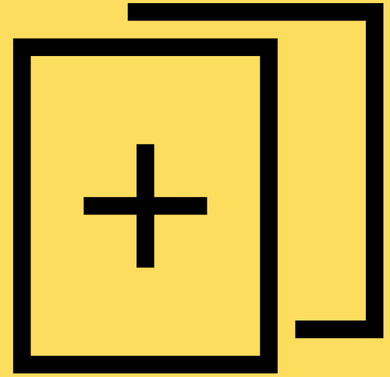
**maka akan otomatis terbuka di folder kita**

**edit ”Aplikasi_SP500.py”**

**sesuai keinginan**

# STEP 5 DUPLIKAT REQUIREMENT

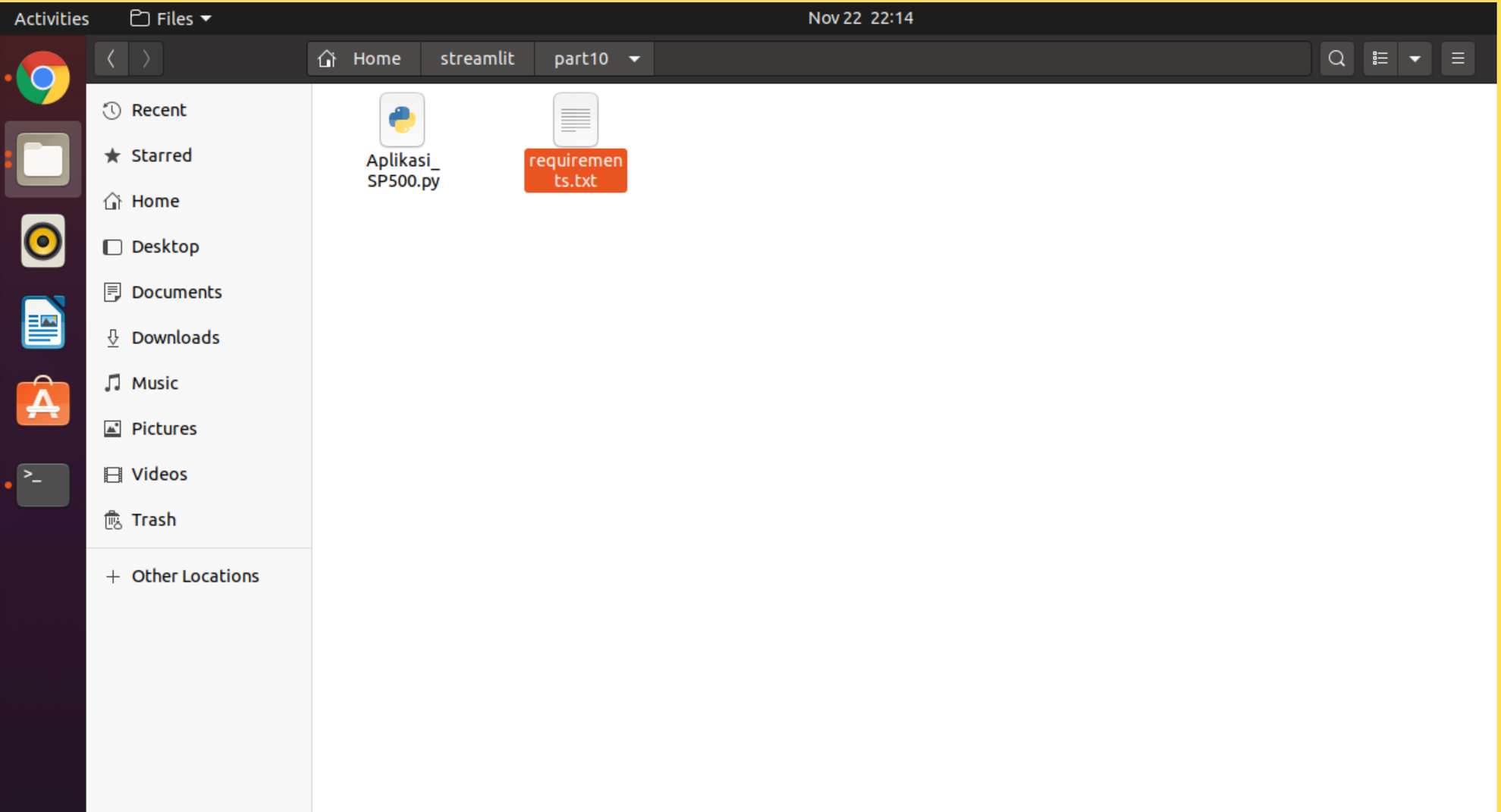


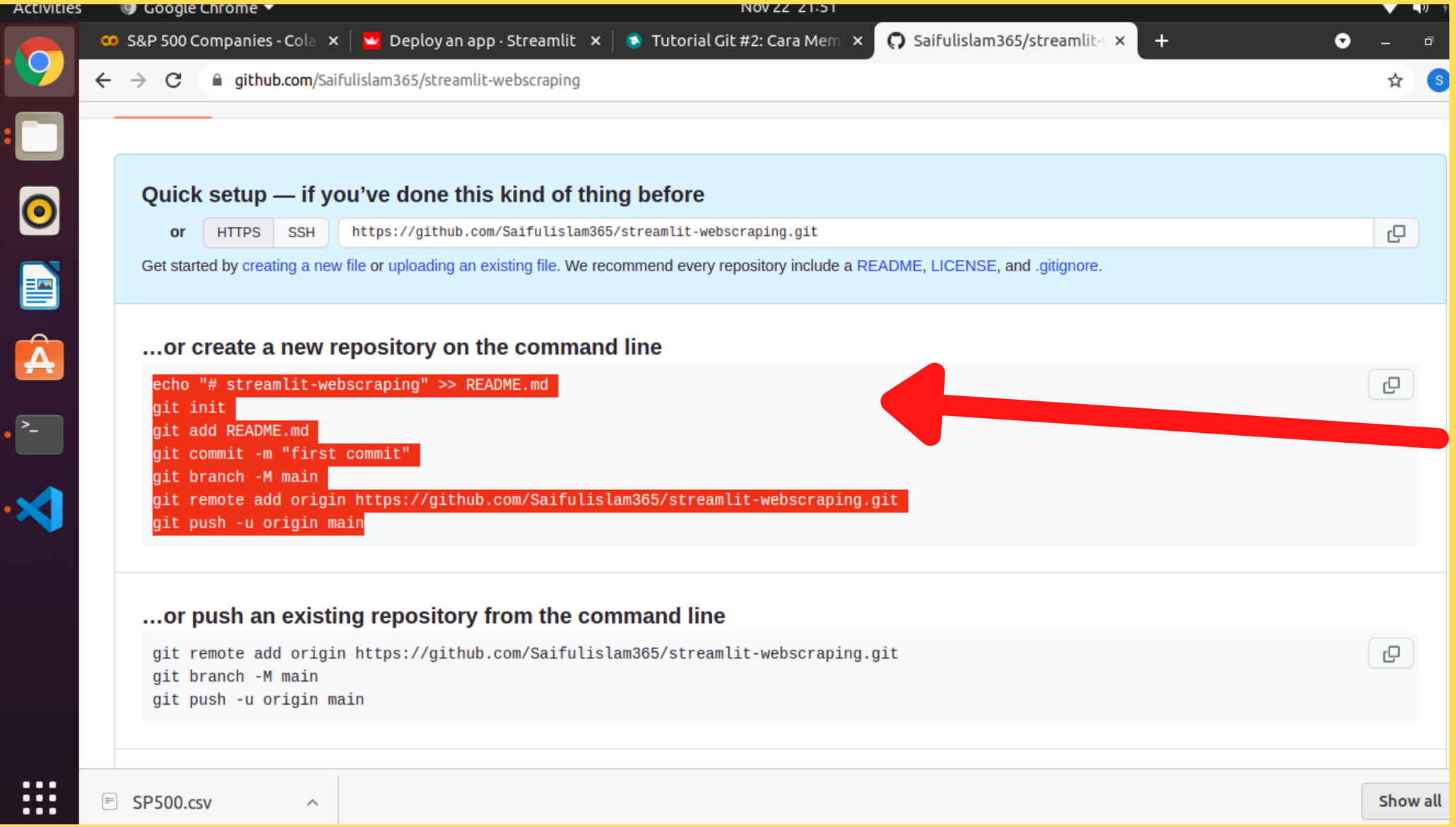
**”requirements.txt”**
**yang baru**
**Isi dengan Modul Kita**

**Hapus file requirements.txt yang berisi full modul !**

# SEMUA BAHAN TELAH SIAP



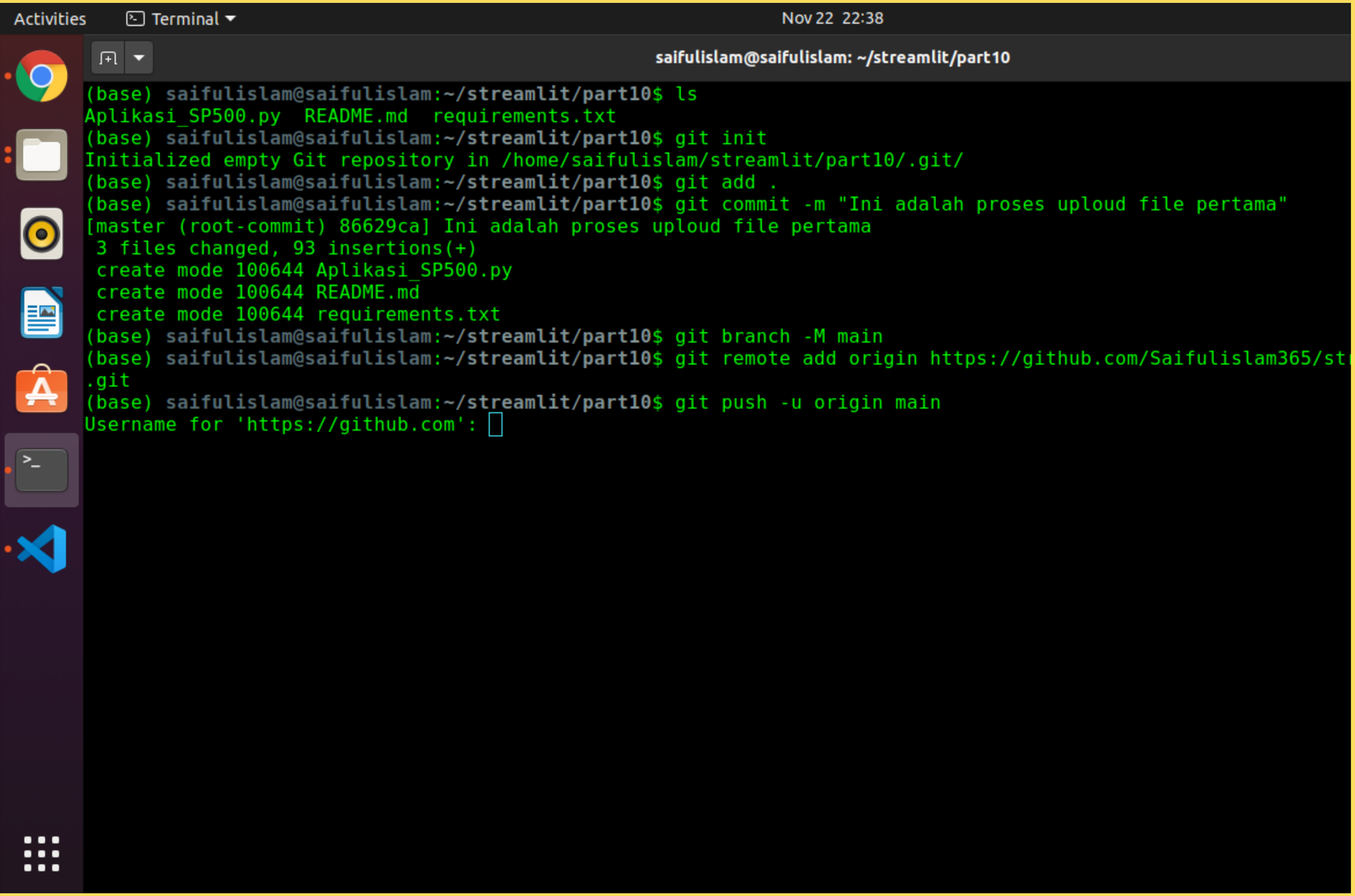
# STEP 6 GITHUB



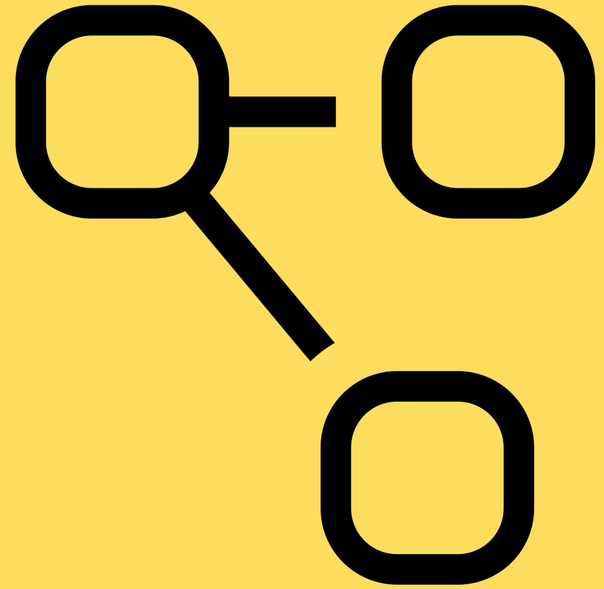
**Menuju GitHub Kita**

**Ikuti Intruksi**

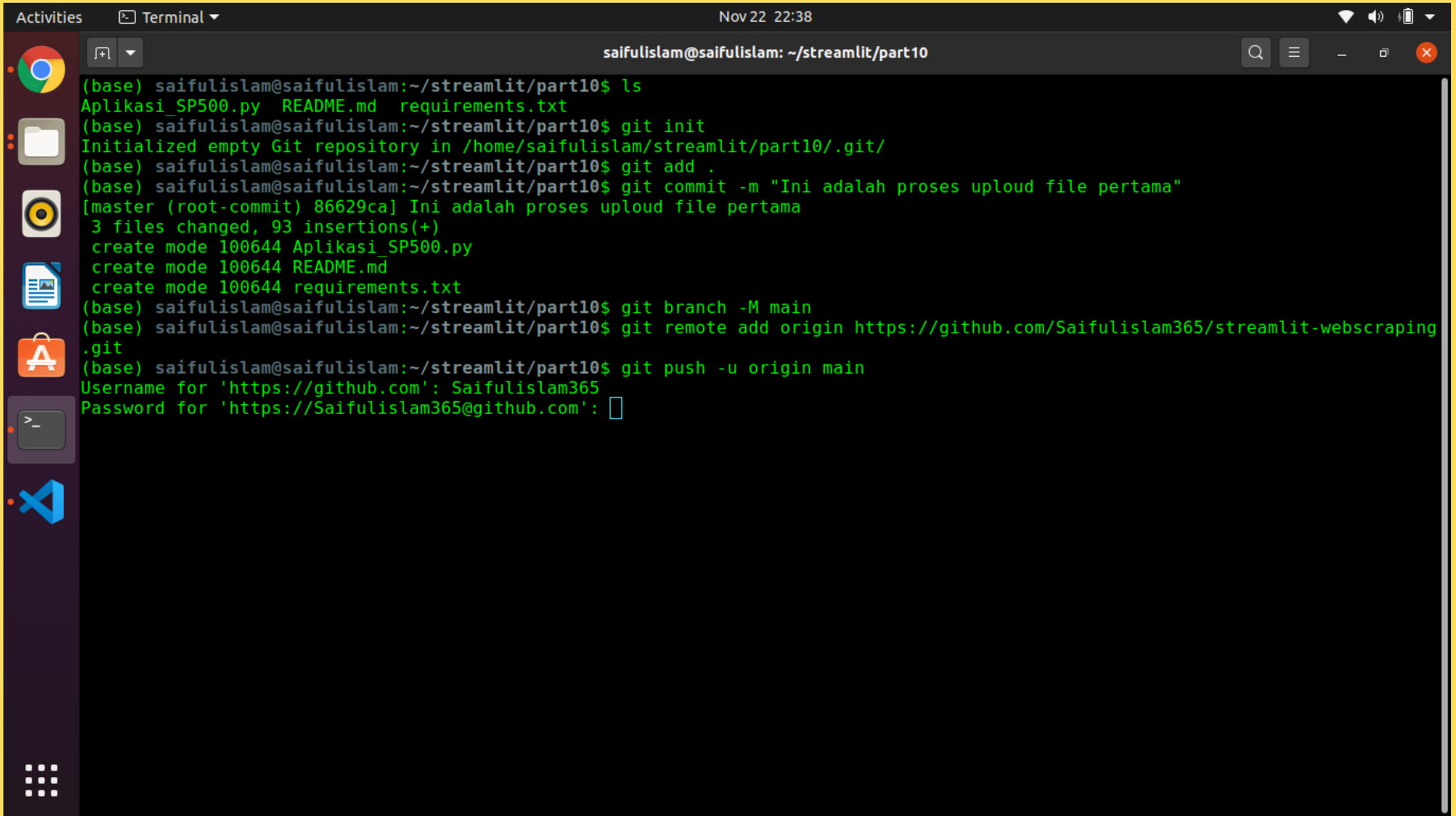
# STEP 7 TERMINAL GIT




**Ikuti Intruksi Kembali**



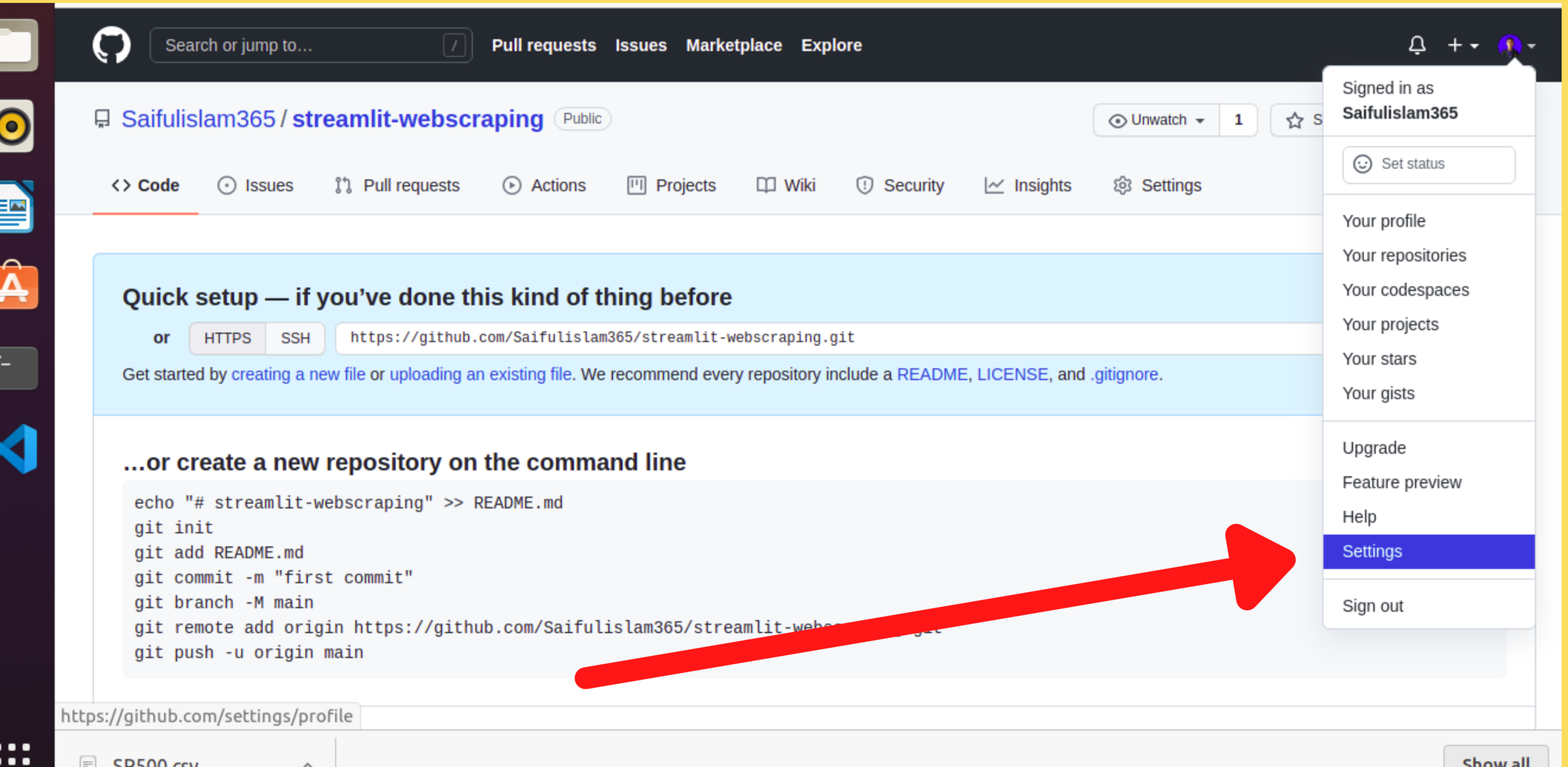
# STEP 8 HUBUNGKAN GIT

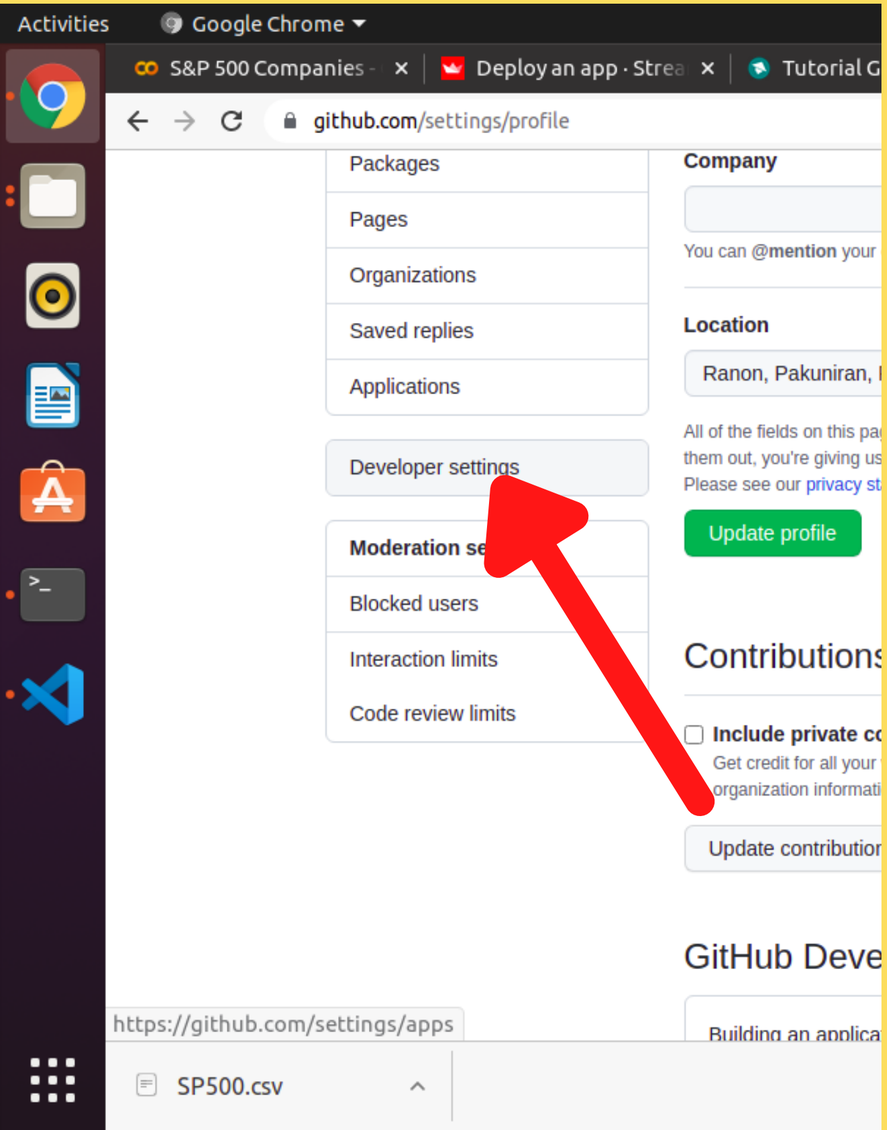



**Masukkan Nama GitHub**

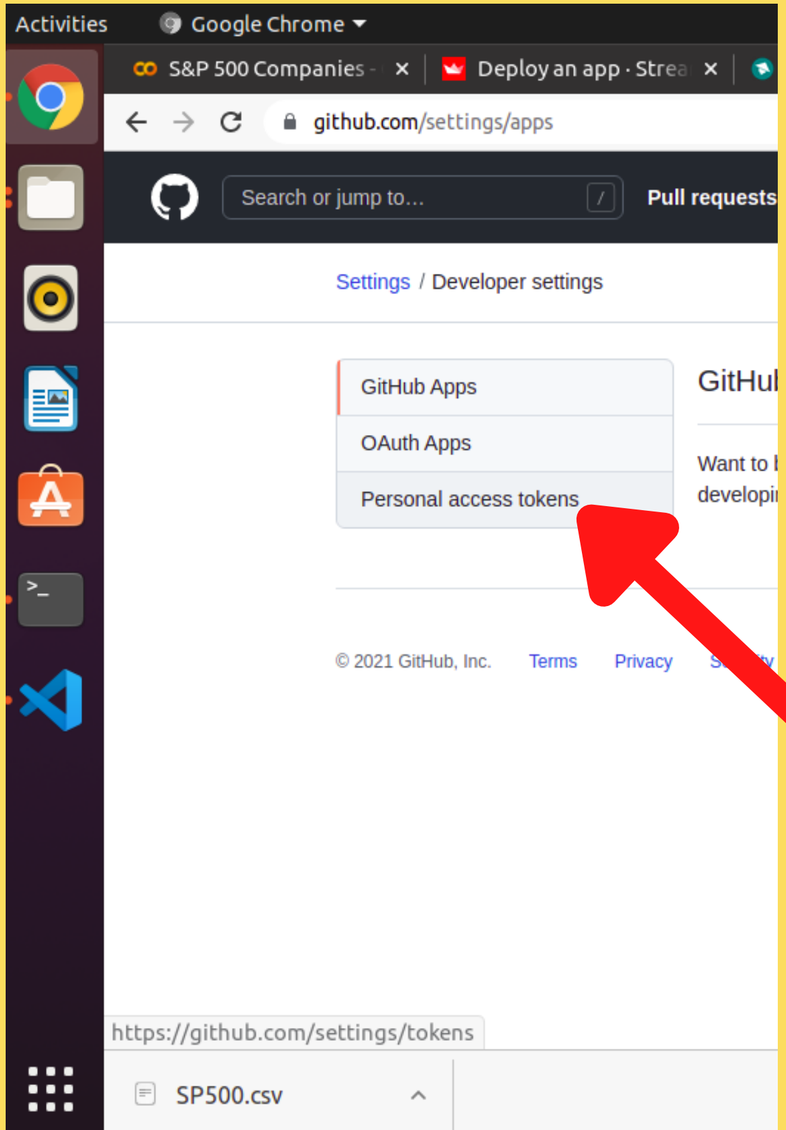
**dan Pasword Menggunakan Token**

# STEP 7 TOKEN GITHUB



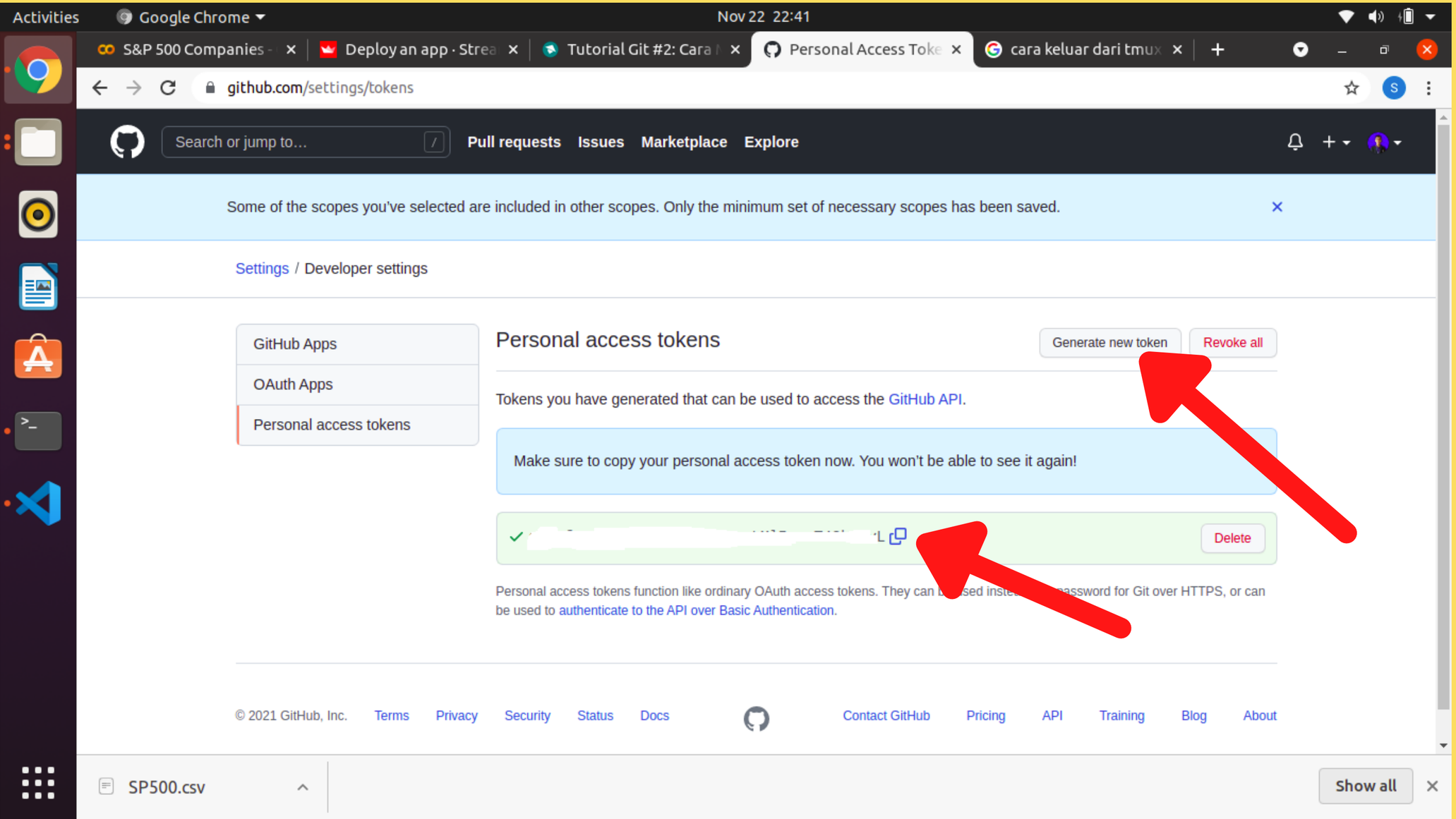



**Masuk Ke Developer Settings**

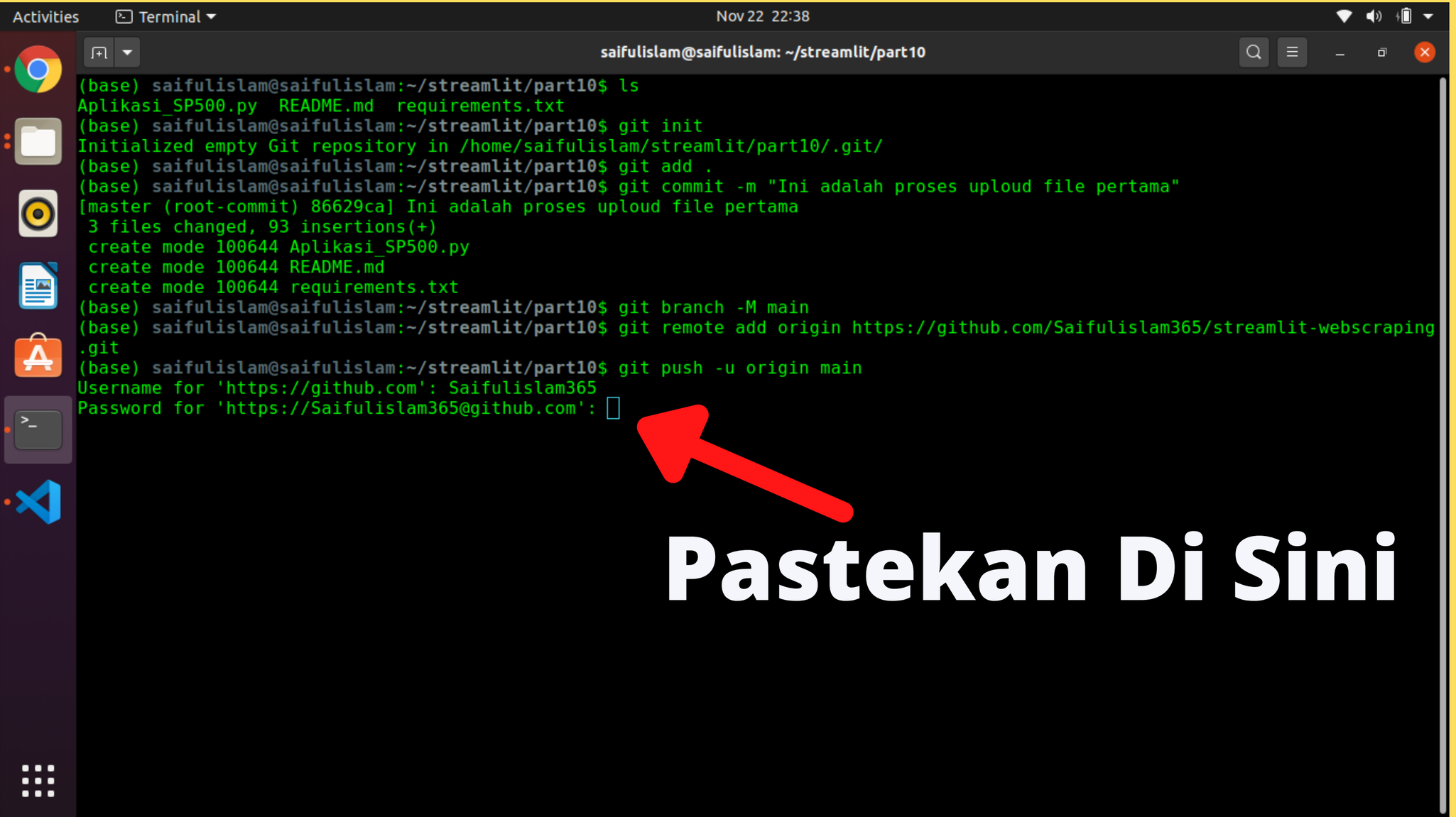



**Personal Acces Token**

# STEP 8 COPY TOKEN



# STEP 9 INPUT TOKEN



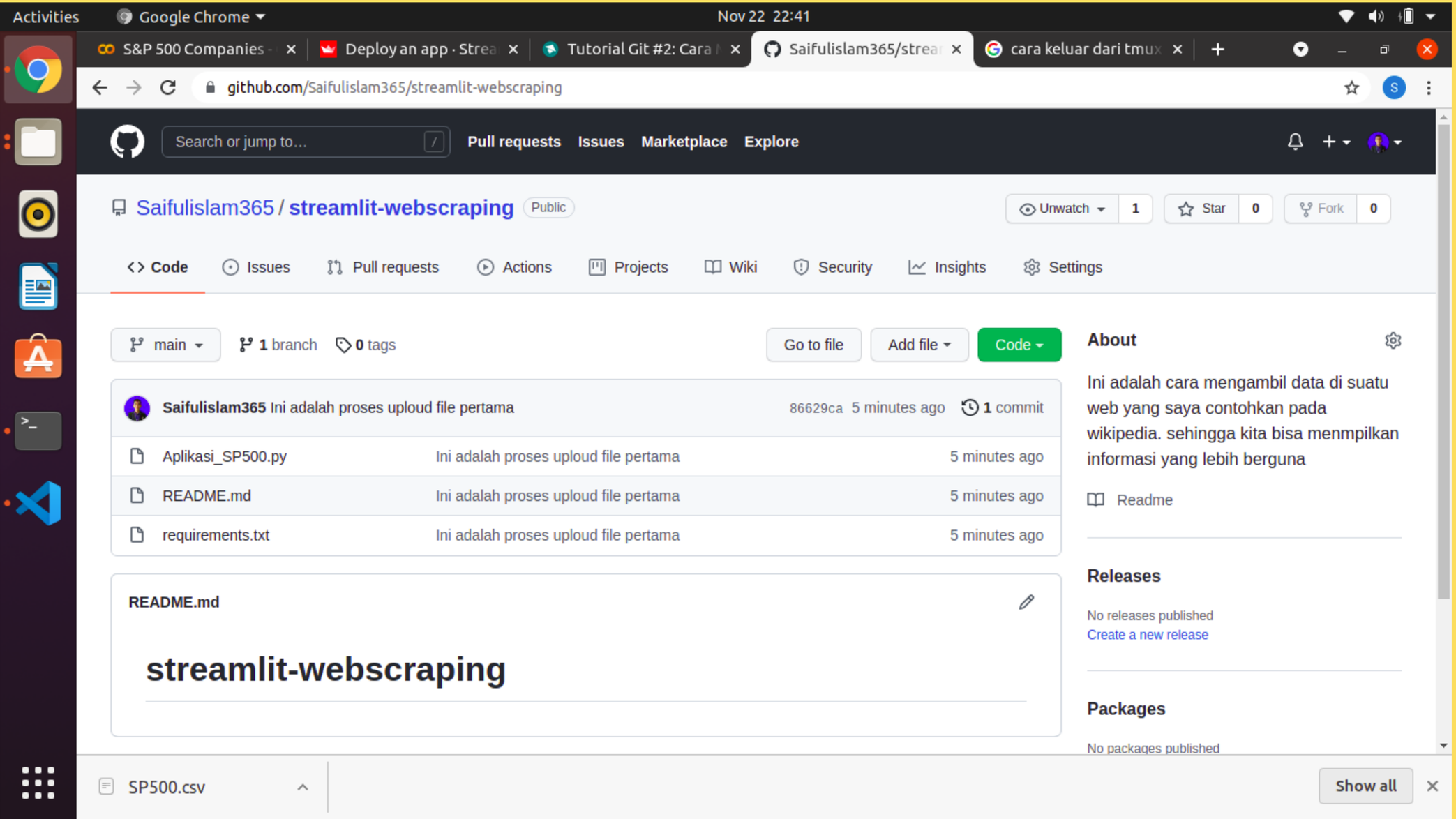
# STEP 10 GIT PUSH

Activities Terminal Nov 22 22:41

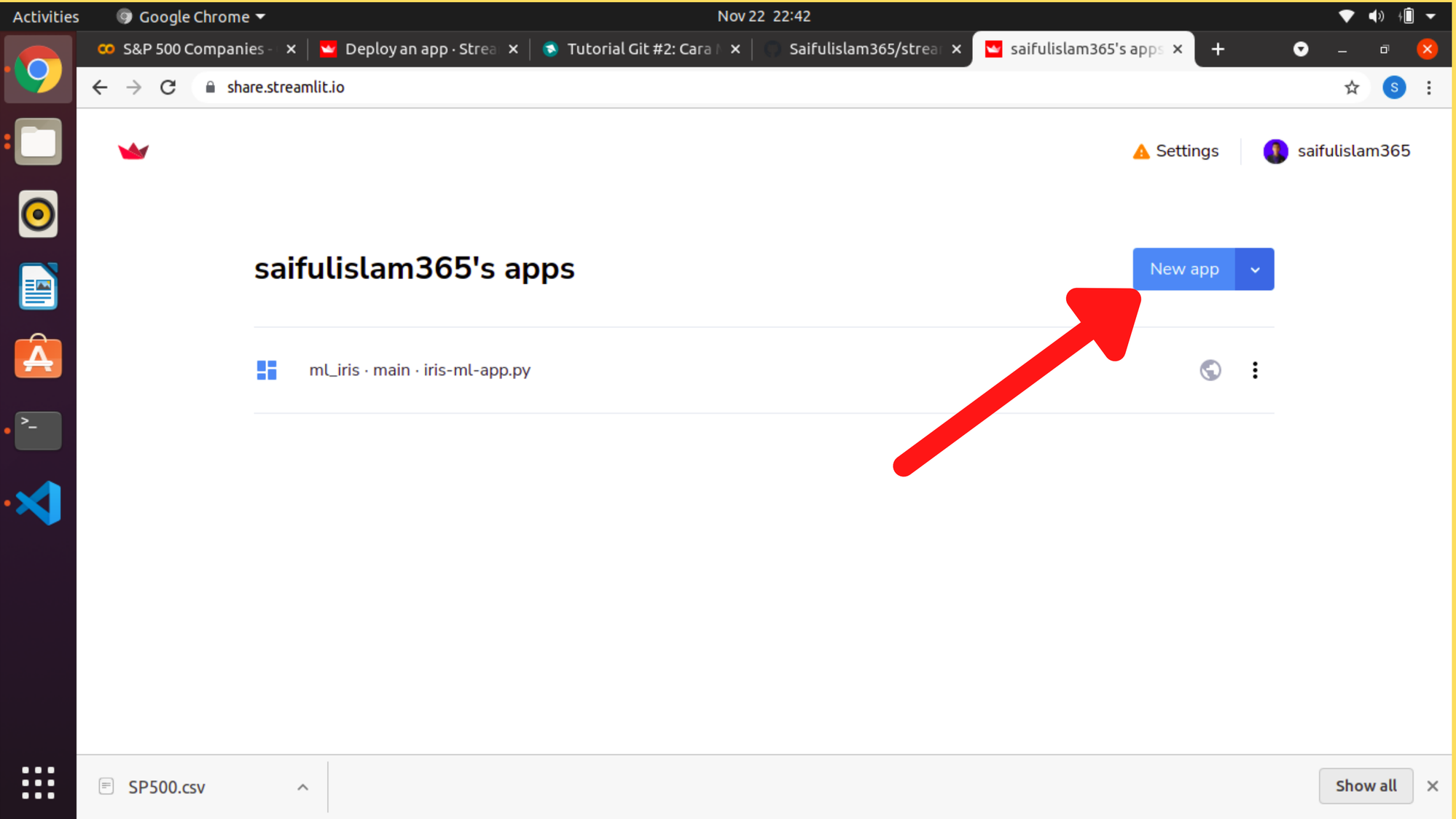
saifulislam@saifulislam: ~/streamlit/part10

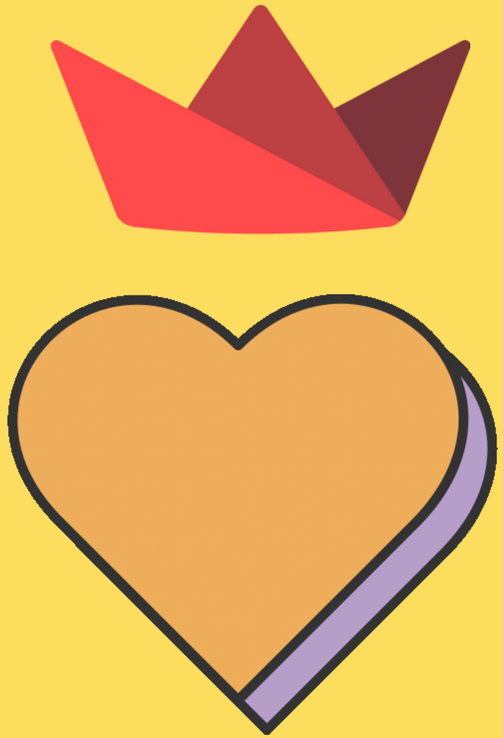
```
(base) saifulislam@saifulislam:~/streamlit/part10$ ls
Aplikasi_SP500.py  README.md  requirements.txt
(base) saifulislam@saifulislam:~/streamlit/part10$ git init
Initialized empty Git repository in /home/saifulislam/streamlit/part10/.git/
(base) saifulislam@saifulislam:~/streamlit/part10$ git add .
(base) saifulislam@saifulislam:~/streamlit/part10$ git commit -m "Ini adalah proses upload file pertama"
[master (root-commit) 86629ca] Ini adalah proses upload file pertama
 3 files changed, 93 insertions(+)
 create mode 100644 Aplikasi_SP500.py
 create mode 100644 README.md
 create mode 100644 requirements.txt
(base) saifulislam@saifulislam:~/streamlit/part10$ git branch -M main
(base) saifulislam@saifulislam:~/streamlit/part10$ git remote add origin https://github.com/Saifulislam365/streamlit-webscraping
.git
(base) saifulislam@saifulislam:~/streamlit/part10$ git push -u origin main
Username for 'https://github.com': Saifulislam365
Password for 'https://Saifulislam365@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 1.81 KiB | 929.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0)
To https://github.com/Saifulislam365/streamlit-webscraping.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
(base) saifulislam@saifulislam:~/streamlit/part10$
```

# HASIL INPUT FILE

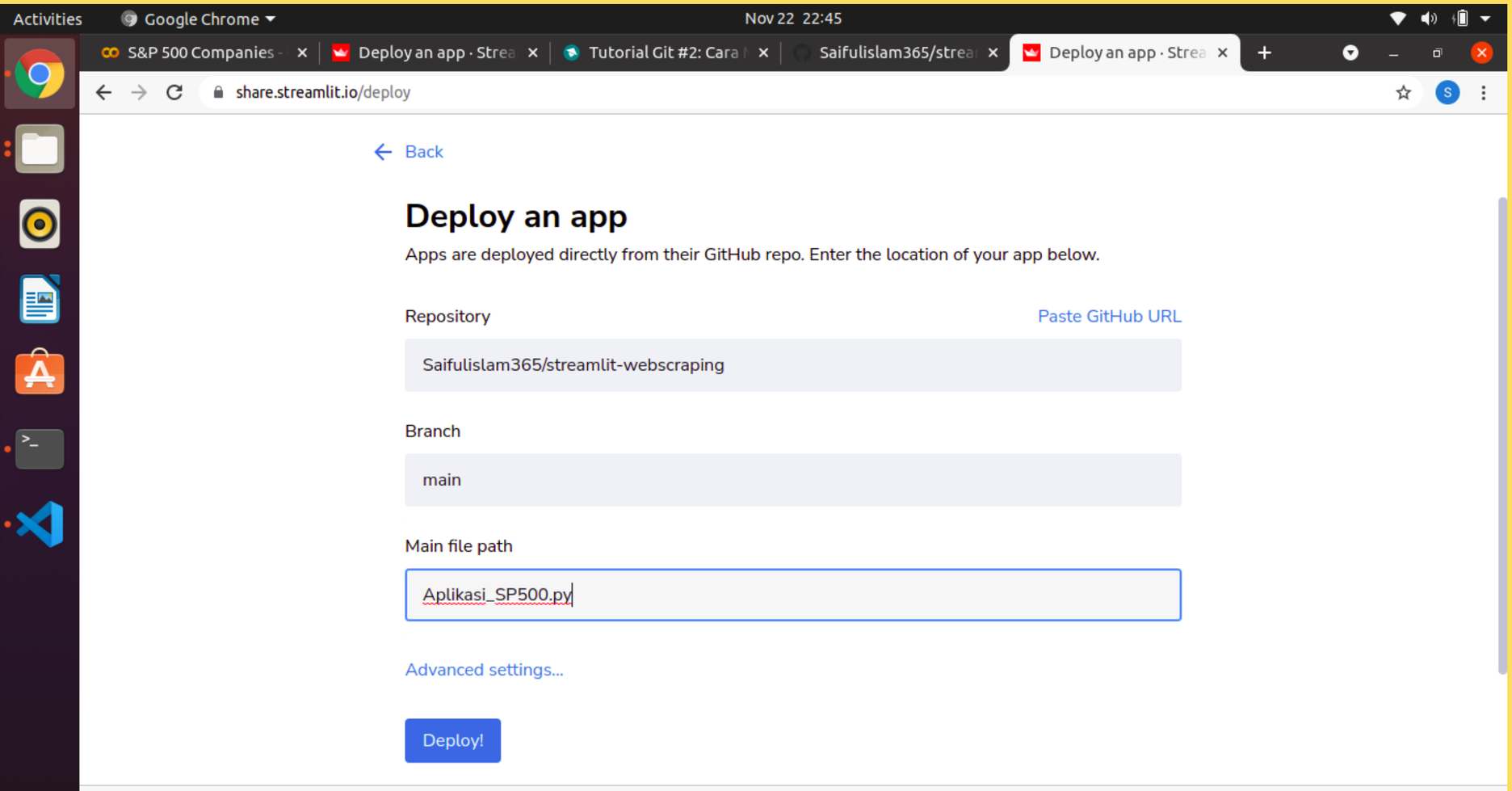


# STEP 11 STREAMLIT



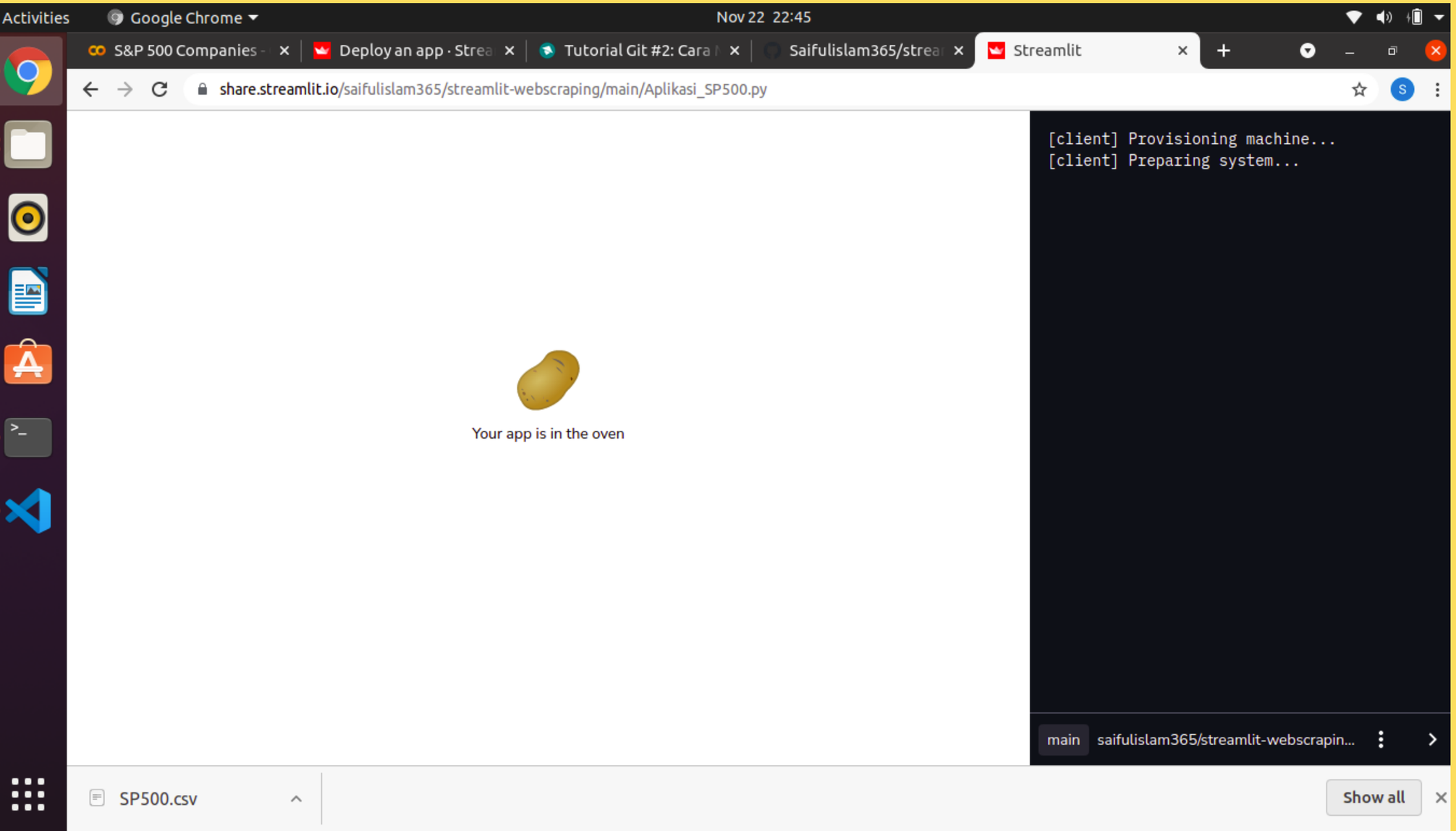



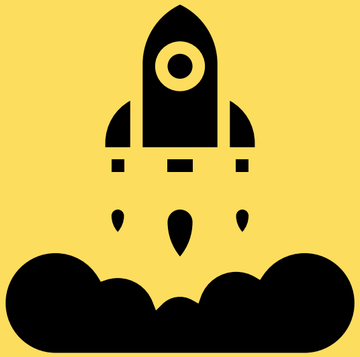
# STEP 12 MEMBUAT APP BARU




**Pastikan Akunmu sudah terhubung dengan GitHUb**

# STEP 13 DEPLOYMENT



**Otomatis**
**Terbaca**
**System**

# STEP 14 VERIFIKASI

Activities Google Chrome Nov 22 22:47

S&P 500 Companies - Cola | Tutorial Git #2: Cara Mem | Saifulislam365/streamlit- | Streamlit

share.streamlit.io/saifulislam365/streamlit-webscraping/main/Aplikasi_SP500.py

**ModuleNotFoundError**: This app has encountered an error. The original error message is redacted to prevent data leaks. Full error details have been recorded in the logs.

Traceback:

```
File "/home/appuser/venv/lib/python3.7/site-packages/streamlit/script_runner.p
    exec(code, module.__dict__)
File "/app/streamlit-webscraping/Aplikasi_SP500.py", line 5, in <module>
    import seaborn as sns
```

**Ternyata ada modul yang belum di tulis di requirement.txt**

Made with Streamlit

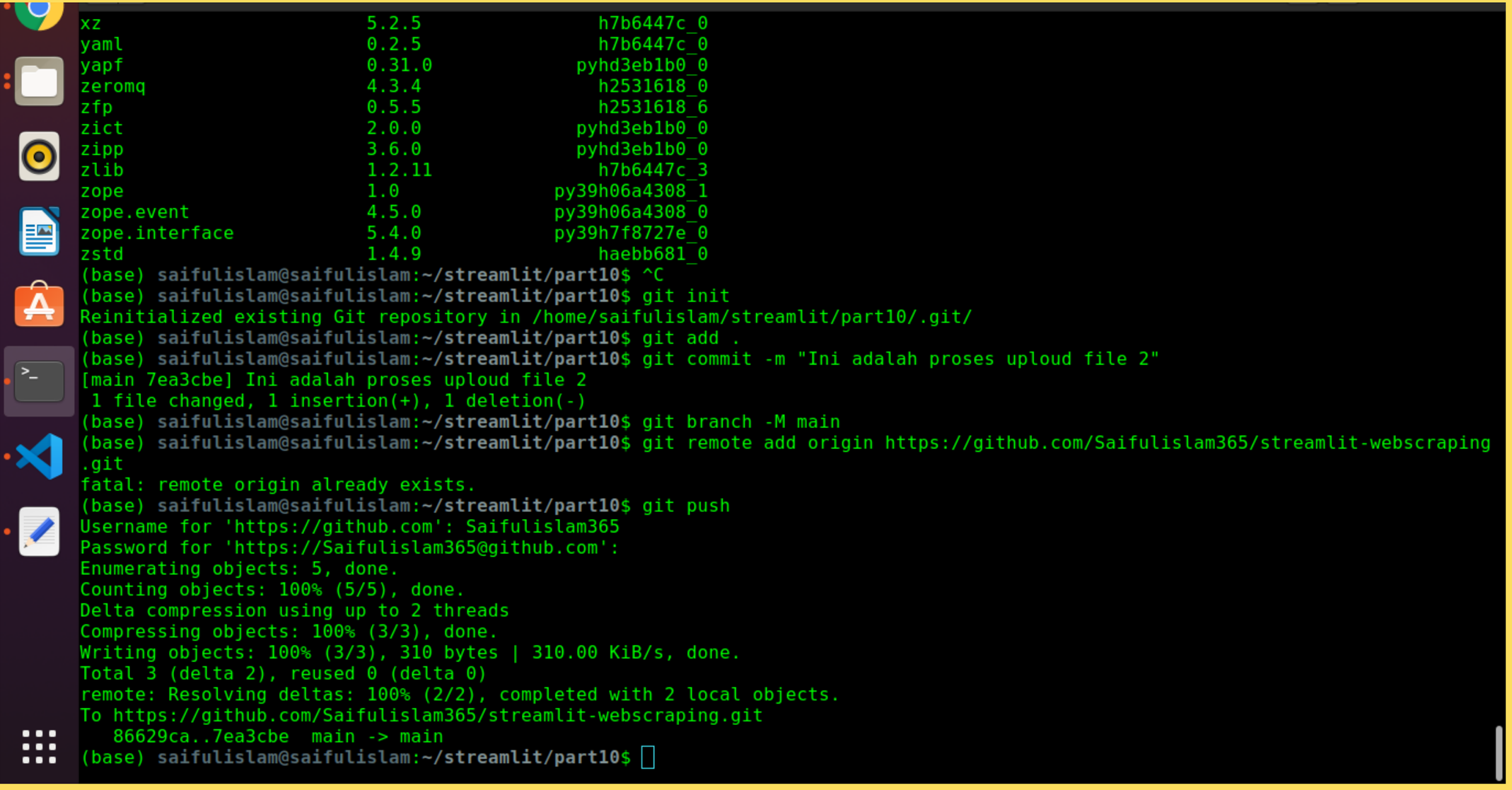
```
    Successfully uninstalled base58-2.1.0
  Attempting uninstall: astor
    Found existing installation: astor 0.8.1
    Uninstalling astor-0.8.1:
      Successfully uninstalled astor-0.8.1
  Attempting uninstall: altair
    Found existing installation: altair 4.1.0
    Uninstalling altair-4.1.0:
      Successfully uninstalled altair-4.1.0
  Attempting uninstall: streamlit
    Found existing installation: streamlit 1.
    Uninstalling streamlit-1.1.0:
      Successfully uninstalled streamlit-1.1.
Successfully installed MarkupSafe-2.0.1 Send2
WARNING: You are using pip version 21.1.1; ho
You should consider upgrading via the '/home/
[manager] Python dependencies were installed
[manager] Processed dependencies!
2021-11-22 15:46:39.331 INFO    matplotlib.fo
2021-11-22 15:46:40.182 Uncaught app exceptio
Traceback (most recent call last):
  File "/home/appuser/venv/lib/python3.7/site
    exec(code, module.__dict__)
  File "/app/streamlit-webscraping/Aplikasi_S
    import seaborn as sns
ModuleNotFoundError: No module named 'seaborn
[client] Connecting...
```

main saifulislam365/streamlit-webscrapin...

SP500.csv Show all

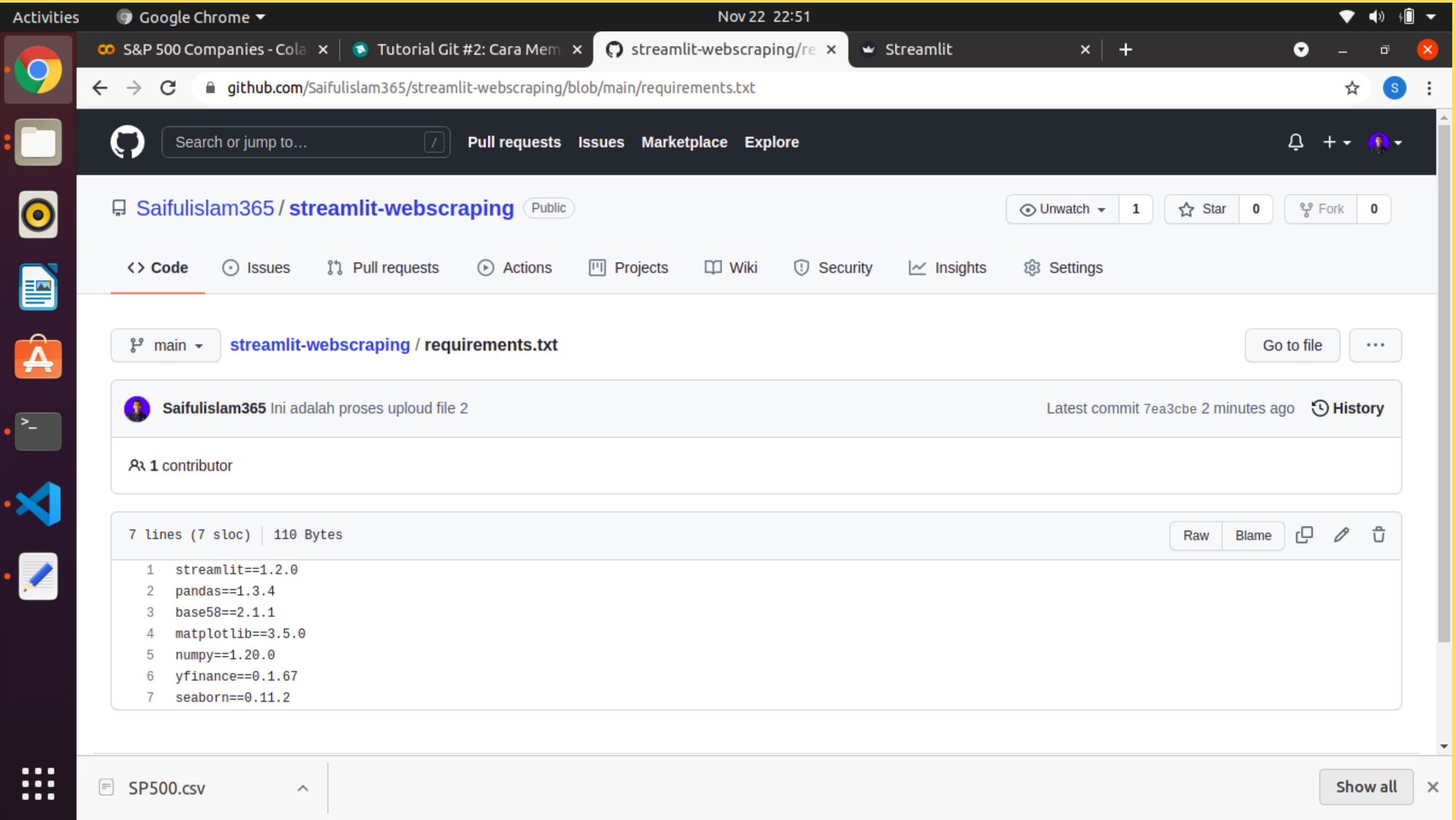
**jadi saya harus tambahkan di requirement.txt beserta versinya**

# STEP 15 GIT PUSH AGAIN



```
xz                        5.2.5                h7b6447c_0
yaml                      0.2.5                h7b6447c_0
yapf                      0.31.0             pyhd3eb1b0_0
zeromq                    4.3.4                h2531618_0
zfp                       0.5.5                h2531618_6
zict                      2.0.0              pyhd3eb1b0_0
zipp                      3.6.0              pyhd3eb1b0_0
zlib                      1.2.11               h7b6447c_3
zope                      1.0              py39h06a4308_1
zope.event                4.5.0            py39h06a4308_0
zope.interface            5.4.0            py39h7f8727e_0
zstd                      1.4.9                haebb681_0
(base) saifulislam@saifulislam:~/streamlit/part10$ ^C
(base) saifulislam@saifulislam:~/streamlit/part10$ git init
Reinitialized existing Git repository in /home/saifulislam/streamlit/part10/.git/
(base) saifulislam@saifulislam:~/streamlit/part10$ git add .
(base) saifulislam@saifulislam:~/streamlit/part10$ git commit -m "Ini adalah proses upload file 2"
[main 7ea3cbe] Ini adalah proses upload file 2
 1 file changed, 1 insertion(+), 1 deletion(-)
(base) saifulislam@saifulislam:~/streamlit/part10$ git branch -M main
(base) saifulislam@saifulislam:~/streamlit/part10$ git remote add origin https://github.com/Saifulislam365/streamlit-webscraping
.git
fatal: remote origin already exists.
(base) saifulislam@saifulislam:~/streamlit/part10$ git push
Username for 'https://github.com': Saifulislam365
Password for 'https://Saifulislam365@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 310 bytes | 310.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Saifulislam365/streamlit-webscraping.git
   86629ca..7ea3cbe  main -> main
(base) saifulislam@saifulislam:~/streamlit/part10$
```

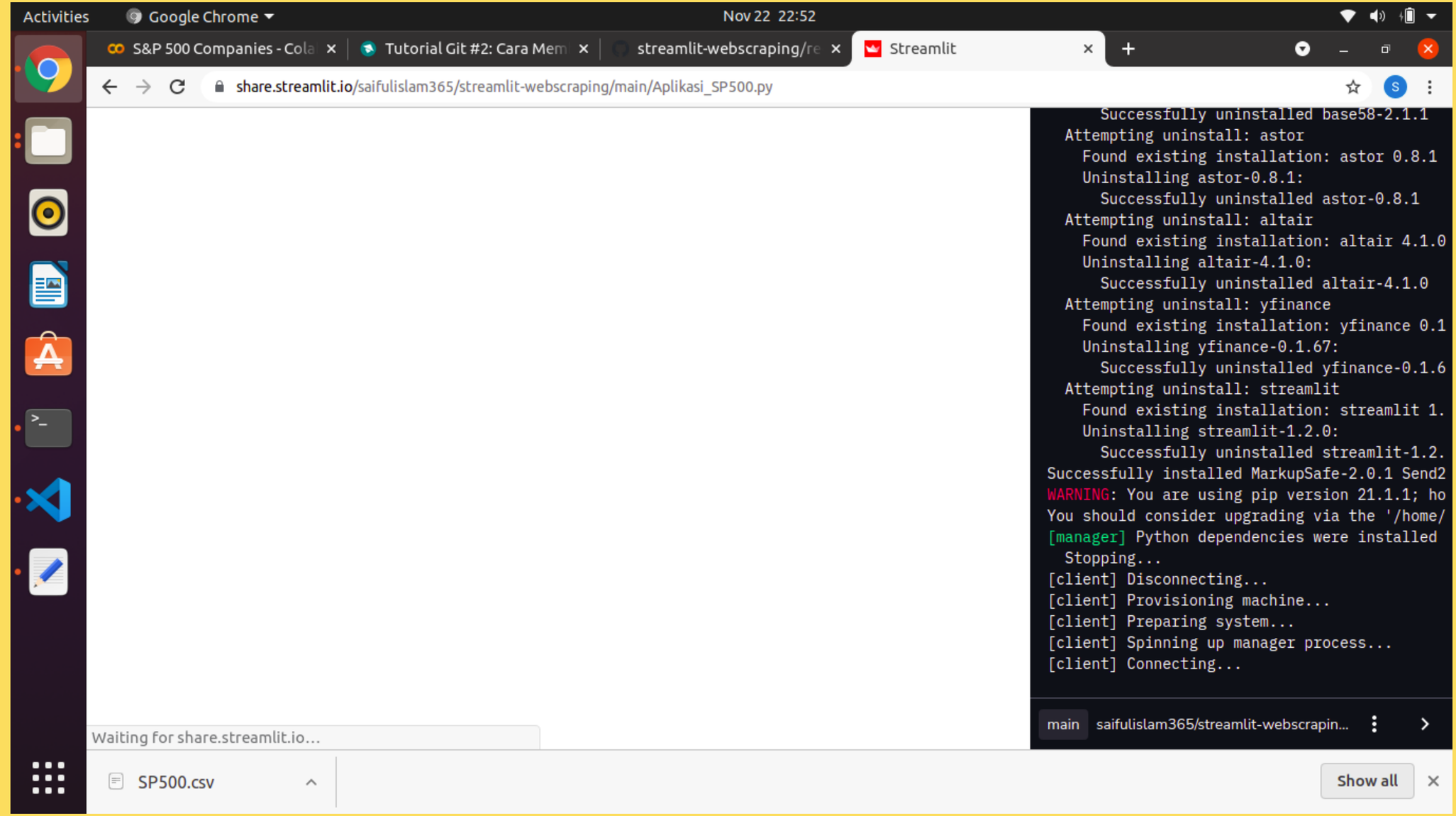
# STEP 16 BUKA GITHUB



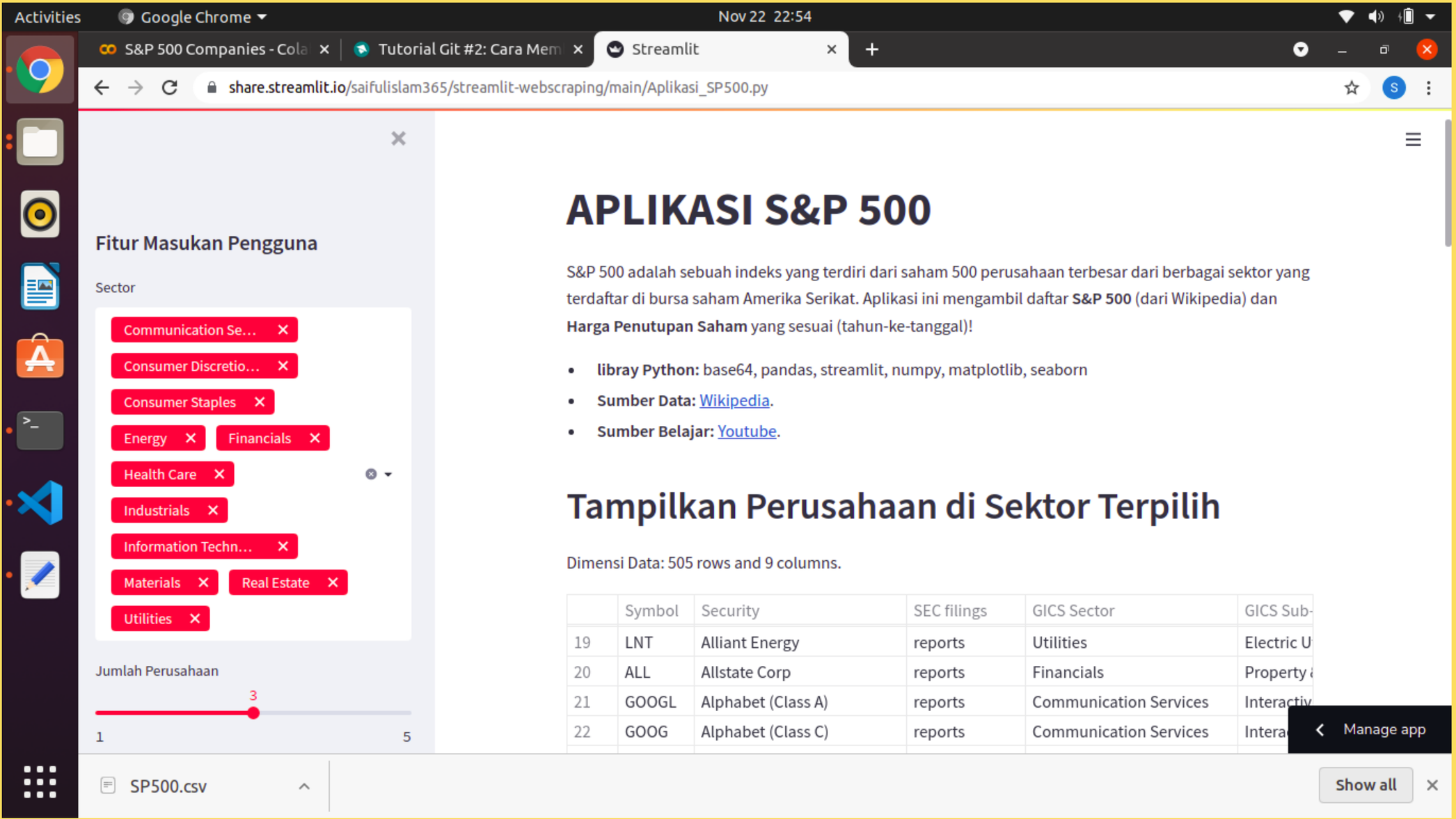

**Cek di requirement.txt**

**Terlihat bahwa sudah ditambahkan**

# STEP 17 PROSES DEPLOY



# STEP 18 BERHASIL



# Referensi :


| | |
|---|---|
| **Data Profesor** | **https://www.youtube.com/watch?v=ZZ4B0QUHuNc&list=PLtqF5YXg7GLmCvTswG32NqQypOuYkPRUE** |
| **Git Hub** | **https://github.com/dataprofessor/code/tree/master/streamlit** |
| **Coach Adi** | **https://www.youtube.com/watch?v=qEuuSLCtqtM** |
| **Linked In** | **https://www.linkedin.com/posts/adi-syahadi_introduction-to-streamlit-activity-6867332737905369088-x5Zt** |
| **Git Hub** | **https://github.com/Saifulislam365/streamlit-webscraping** |