Cara Menjalankan

Buat folder tmp, dan virtual environment, dan install requirements untuk mac dan gnu/linux:

```
mkdir tmp
python3 -m venv venv
source venv/bin/activate
pip3 install -r requirements.txt
```

Untuk windows:

```
mkdir tmp
python -m venv venv
venv\Scripts\activate
pip install -r requirements.txt
```

atau:

```
mkdir tmp
virtualenv venv
venv\Scripts\activate
pip install -r requirements.txt
```

Kalau yang windows venvnya salah commandnya, bisa di browsing kak hehe saya ga pake windows soalnya maaf kak 🙏

Selanjutnya jalankan search.py

Hasil menggunakan `retrieve_tfidf`

```
Query  :  alkylated with radioactive iodoacetate
Results:
Document Name                 Score
./collection/6/507.txt        24.036
./collection/6/554.txt        11.771
./collection/11/1003.txt      9.404
./collection/4/388.txt        8.386
./collection/4/387.txt        8.386
./collection/11/1018.txt      6.765
./collection/2/144.txt        6.765
./collection/2/119.txt        6.765
./collection/3/247.txt        6.765
./collection/6/512.txt        6.765


Query  :  psychodrama for disturbed children
Results:
Document Name                 Score
./collection/9/820.txt        20.276
./collection/10/918.txt       12.965
./collection/9/821.txt        12.948
./collection/1/36.txt         11.402
```

```
./collection/9/817.txt          11.243
./collection/10/926.txt         10.335
./collection/8/799.txt          10.335
./collection/10/927.txt         10.072
./collection/1/99.txt           9.199
./collection/2/100.txt          9.199


Query  :  lipid metabolism in toxemia and normal pregnancy
Results:
Document Name                   Score
./collection/1/7.txt            28.687
./collection/2/159.txt          18.274
./collection/4/328.txt          17.877
./collection/4/306.txt          17.659
./collection/1/81.txt           16.615
./collection/4/329.txt          12.836
./collection/3/288.txt          12.630
./collection/4/371.txt          11.406
./collection/9/881.txt          10.723
./collection/3/201.txt          10.566
```

Hasil menggunakan `retrieve_bm25`

```
[nltk_data] Downloading package stopwords to /home/hocky/nltk_data...
[nltk_data]   Package stopwords is already up-to-date!
[nltk_data] Downloading package punkt to /home/hocky/nltk_data...
[nltk_data]   Package punkt is already up-to-date!
Query  :  alkylated with radioactive iodoacetate
Results:
Document Name                   Score
./collection/6/507.txt          21.465
./collection/11/1003.txt        9.548
./collection/6/554.txt          8.549
./collection/6/506.txt          7.108
./collection/8/793.txt          7.082
./collection/2/119.txt          6.724
./collection/4/387.txt          6.574
./collection/3/247.txt          6.178
./collection/8/745.txt          6.015
./collection/11/1018.txt        5.882


Query  :  psychodrama for disturbed children
Results:
Document Name                   Score
./collection/9/820.txt          19.885
./collection/9/821.txt          10.632
./collection/1/36.txt           9.860
./collection/10/918.txt         9.477
./collection/9/817.txt          8.179
./collection/10/926.txt         8.087
./collection/9/814.txt          7.642
./collection/1/99.txt           7.552
./collection/9/894.txt          7.358
```

```
./collection/5/493.txt          7.355


Query  :  lipid metabolism in toxemia and normal pregnancy
Results:
Document Name                 Score
./collection/1/7.txt          26.316
./collection/4/328.txt        17.556
./collection/4/306.txt        14.148
./collection/2/159.txt        13.300
./collection/1/81.txt         10.982
./collection/7/602.txt        10.343
./collection/4/371.txt        9.948
./collection/4/329.txt        9.542
./collection/3/288.txt        8.923
./collection/1/12.txt         8.415
```