```
df.to_csv('hasil_Cleaning.csv', index=False)

print("Proses Cleaning selesai")
```

Lampiran 9. Kode Case Folding

```
import pandas as pd

# Membaca file CSV
df = pd.read_csv('tweets-data/hasil_Cleaning (1).csv')

# Case Folding
# Mengubah semua huruf pada kolom Comment menjadi lowercase
df['Comment'] = df['Comment'].str.lower()

# Menyimpan hasil
df.to_csv('tweets-data/hasil_casefolding BARU.csv', index=False)

print("Case folding berhasil dilakukan!")
```

Lampiran 10. Kode Login Drive

```
from google.colab import drive
drive.mount('/content/drive')
```

Lampiran 11. Kode Normalization

```
import pandas as pd

# Membaca kamus kata baku
kamus_kata_baku = pd.read_excel(
    '/content/drive/MyDrive/Colab Notebooks/kamuskatabaku.xlsx'
)

# Membuat dictionary normalization
kamus_normalization = dict(
```