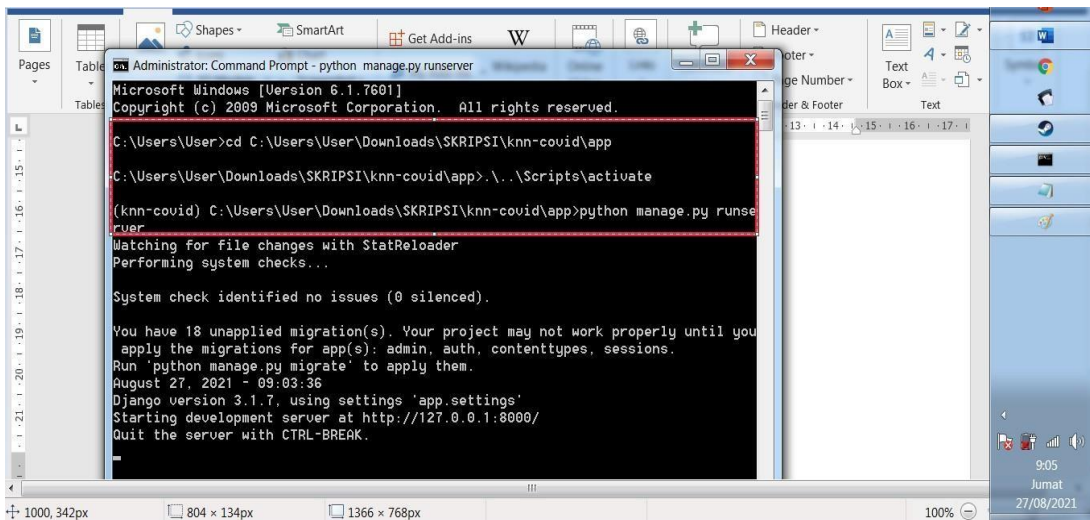


LAMPIRAN

1.



```
Administrator: Command Prompt - python manage.py runserver
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\User>cd C:\Users\User\Downloads\SKRIPSI\knn-covid\app
C:\Users\User\Downloads\SKRIPSI\knn-covid\app>..\Scripts\activate
(knn-covid) C:\Users\User\Downloads\SKRIPSI\knn-covid\app>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you
apply the migrations for app(s): admin, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
August 27, 2021 - 09:03:36
Django version 3.1.7, using settings 'app.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Perintah untuk menjalankan web.

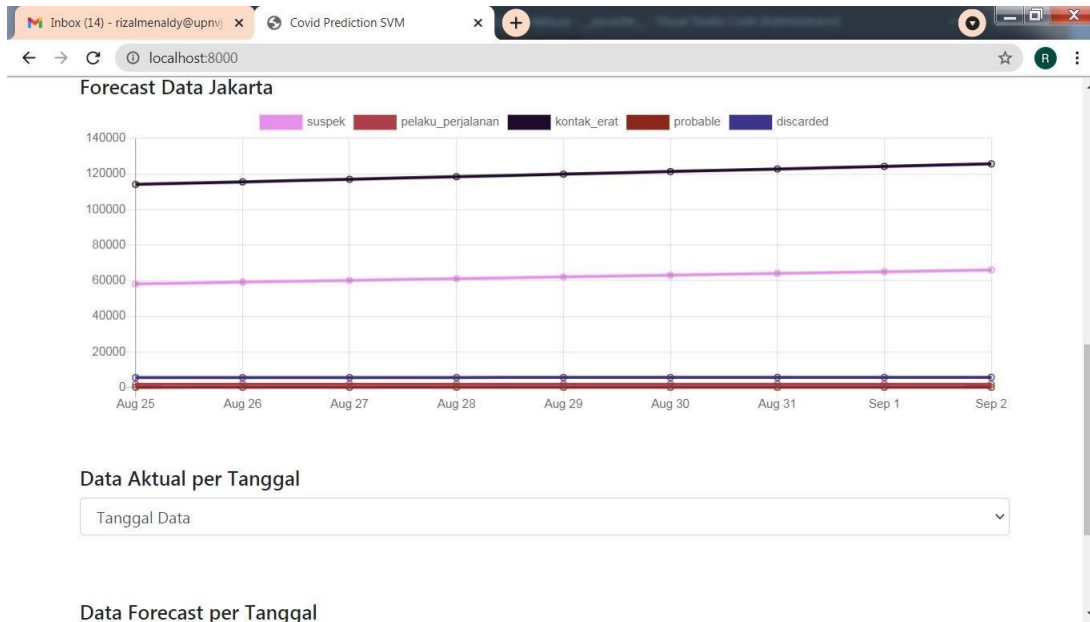
1. Cd (copas link folder web nya)
2. `..\Scripts\activate`
3. `python manage.py runserver`

2.



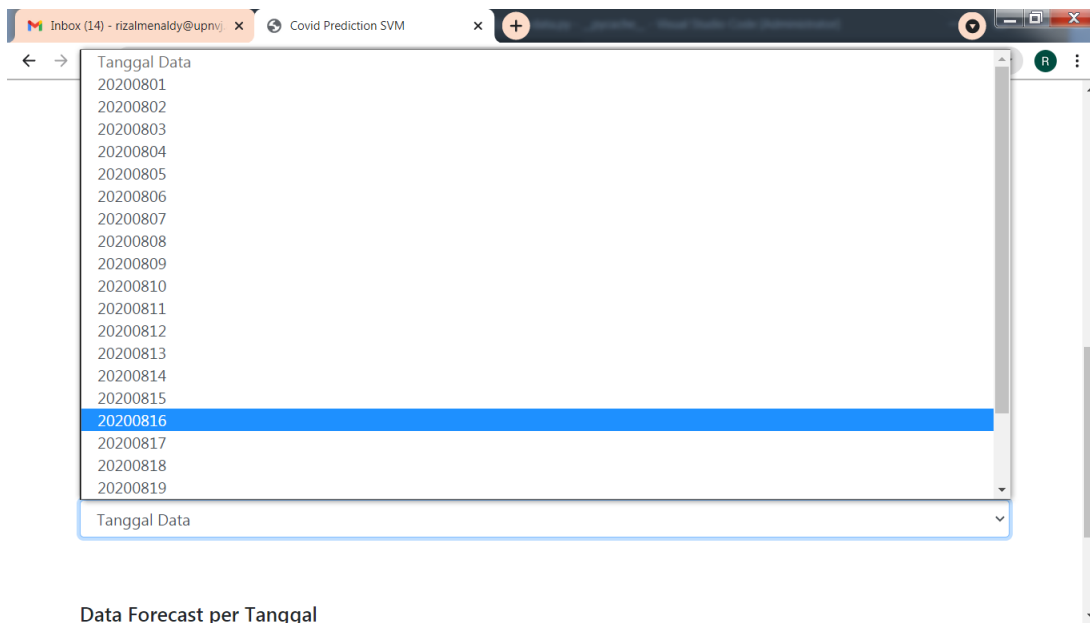
Kemudian ke localhost8000

3.



Tampilan views web.

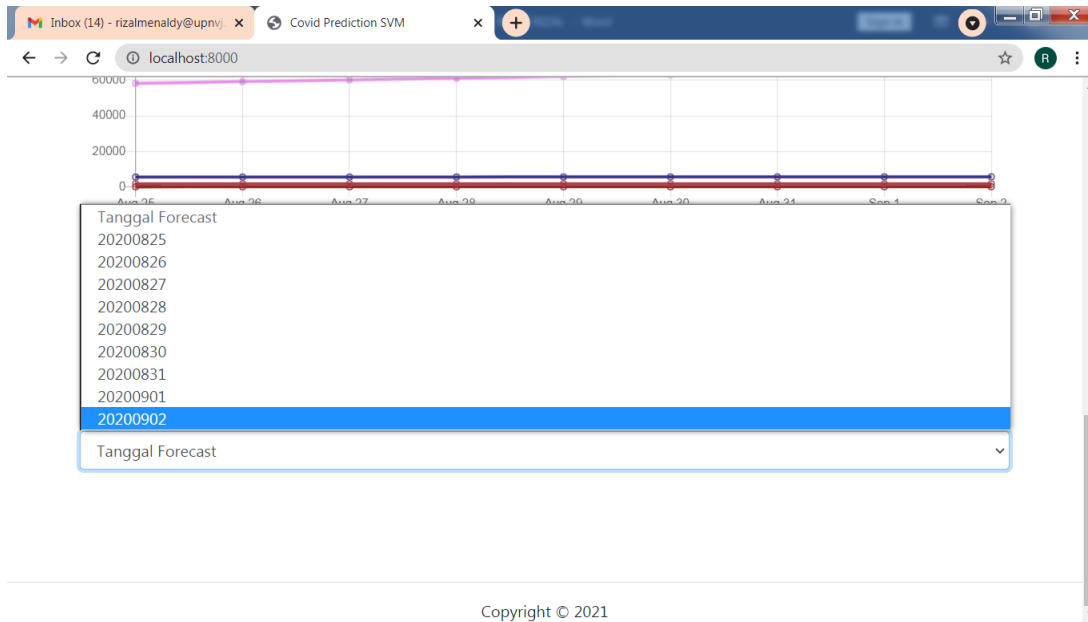
4.



Data Forecast per Tanqqal

Data aktual bulan Agustus 2020 dari tanggal 1 sampai 23 Agustus.

5.



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Data atau hasil prediksi.

6.

```

File Edit Selection View Go Run Terminal Help 1.filter-data.py - _pycache_ - Visual Studio Code [Administrator]
EXPLORER
  _PYCACHE_
    predict.cpython-38.pyc
  Welcome
  1.filter-data.py X
  C:\Users\User> Downloads > SKRIPSI > knn-covid > app > functions > 1.filter-data.py
  1 import pandas as pd
  2 import os, json
  3
  4 def checkIdKelurahan(id, datasets):
  5     for data in datasets:
  6         if(data == id): return True
  7
  8     return False
  9
 10 def extractDate(filename, text=False):
 11     year = filename[:4]
 12     month = filename[4:6]
 13     date = filename[6:8]
 14
 15     if not text:
 16         return { year: year, month: month, date: date }
 17     else:
 18         return f'{year}-{month}-{date}'
 19
 20 print('Filtering raw data started\n')
 21
 22 directory = 'datasets/raw'
 23 sortedId = sorted(os.listdir(directory))
 24
 25 localityDatasets = 'datasets/locality.tsv'
 26 localityDatasetsExist = os.path.exists(localityDatasets)
 27
  
```

Codingan dari Filter data atau tahapan pertama.

7.

```
2.train.py
1 import pandas as pd
2 import os, shutil, json, numpy, pickle, itertools, sys
3
4 from pathlib import Path
5 from sklearn.pipeline import make_pipeline
6 from sklearn.preprocessing import StandardScaler
7 # from sklearn import svm
8 from datetime import datetime
9 from sklearn.neighbors import KNeighborsRegressor
10 # from sklearn.neighbors import KNeighborsClassifier
11
12 trainDirectory = 'datasets/training_data'
13 sortedDirD = sorted(os.listdir(trainDirectory))
14
15 trainedDirectory = 'datasets/trained_data'
16 if not os.path.exists(trainedDirectory):
17     os.makedirs(trainedDirectory)
18
19 config = {}
20 with open('datasets/config.json', 'r') as configFile:
21     config = json.load(configFile)
22
23 print('Training data started\n')
24
25 localityFile = 'datasets/locality.tsv'
26 lf = pd.read_csv(localityFile, sep='\t')
27
```

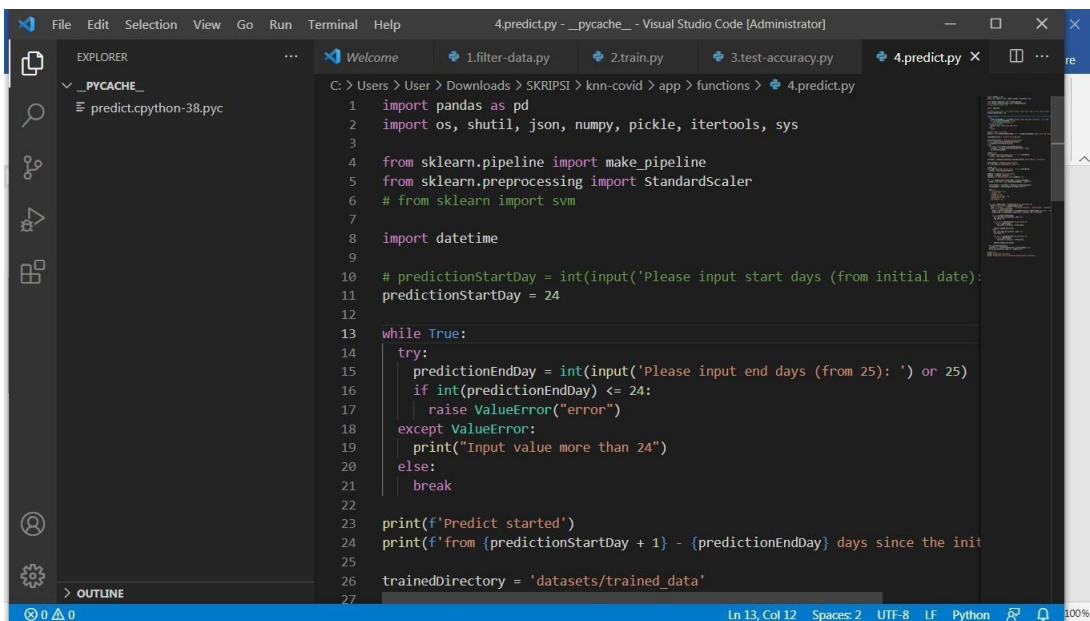
Codingan pada training data atau tahapan kedua.

8.

```
3.test-accuracy.py
1 import pandas as pd
2 import os, shutil, json, numpy, pickle, itertools, sys
3 import sys
4
5 # from sklearn.metrics import accuracy_score
6 # from sklearn.pipeline import make_pipeline
7 # from sklearn.preprocessing import StandardScaler
8 # from sklearn import svm
9 from datetime import datetime
10 from sklearn.metrics import mean_squared_error
11 from sklearn.metrics import average_precision_score
12
13 def prec(tr, fl):
14     x = 0 #false
15     y = 0 #true
16     z = len(tr)
17
18     for i, a in enumerate(tr):
19         if a == fl[i]:
20             y = y + 1
21         else:
22             x = x + 1
23
24     pr = y / z * 100
25     return pr
26
27 testDirectory = 'datasets/test_data'
```

Codingan test accuracy atau tahapan ketiga.

9.



The image shows a screenshot of the Visual Studio Code editor. The main window displays a Python script named '4.predict.py'. The code is as follows:

```
C:\Users\User> Downloads > SKRIPSI > knn-covid > app > functions > 4.predict.py
1 import pandas as pd
2 import os, shutil, json, numpy, pickle, itertools, sys
3
4 from sklearn.pipeline import make_pipeline
5 from sklearn.preprocessing import StandardScaler
6 # from sklearn import svm
7
8 import datetime
9
10 # predictionStartDay = int(input('Please input start days (from initial date):
11 predictionStartDay = 24
12
13 while True:
14     try:
15         predictionEndDay = int(input('Please input end days (from 25): ') or 25)
16         if int(predictionEndDay) <= 24:
17             raise ValueError("error")
18     except ValueError:
19         print("Input value more than 24")
20     else:
21         break
22
23 print(f'Predict started')
24 print(f'from {predictionStartDay + 1} - {predictionEndDay} days since the init
25
26 trainedDirectory = 'datasets/trained_data'
27
```

The status bar at the bottom indicates the current cursor position is at line 13, column 12, with 2 spaces, UTF-8 encoding, LF line endings, and Python language mode. The zoom level is 100%.

Codingan predict data atau tahapan keempat (terakhir)

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Dr. Ermatita, M.Kom.

