

Nomor 4

```
In [51]: import os
import cv2
from matplotlib import pyplot as plt
import imutils
```

Stitching Image

We use OpenCV's image stitching algorithm that is baked into the OpenCV library itself via `cv2.createStitcher` and `cv2.Stitcher_create` functions.

```
In [52]: image_path = 'COMP7116_Computer Vision_REGULER & GLOBAL_UAS - Dataset/Dataset_P4/'
image_data = [image_path + data for data in os.listdir(image_path)]

image_list = []
for data in image_data:
    image = cv2.imread(data)
    image_list.append(image)

if imutils.is_cv3(): # OpenCV 3
    stitcher = cv2.createStitcher()
else: # OpenCV 4
    stitcher = cv2.Stitcher_create()

(status, result) = stitcher.stitch(image_list)

plt.figure(1)
plt.imshow(result)
plt.show()
```

