

Praktikum 1 | Pengolahan Citra

Load, Save, Copy

Fadhil Yori Hibatullah | 2103161037 | 2 D3 Teknik Informatika B

Import Dependency

```
In [1]: import imageio
import matplotlib.pyplot as plt
import numpy as np
```

Load Image

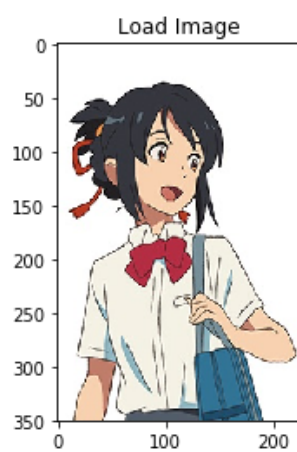
```
In [2]: img = imageio.imread("woman.jpg")
```

Get Image Properties

```
In [3]: img_height = img.shape[0]
img_width = img.shape[1]
img_channel = img.shape[2]
```

Show Image

```
In [4]: plt.imshow(img)
plt.title("Load Image")
plt.show()
```



Copy Image

Create image variabel

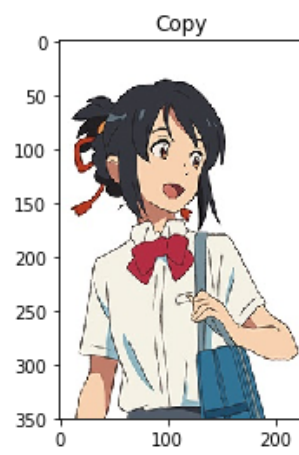
```
In [5]: img_copy = np.zeros(img.shape, img.dtype)
```

Copy image algorithm

```
In [6]: for y in range(0, img_height):
        for x in range(0, img_width):
            for c in range(0, img_channel):
                img_copy[y][x][c] = img[y][x][c]
```

Show image

```
In [7]: plt.imshow(img_copy)
plt.title("Copy")
plt.show()
```



Save Image

```
In [8]: plt.imsave("saved-copy.jpg", img_copy)
```