

Matplotlib 14_ Belajar Countour Plot

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1 Countour Plot

Dalam sesi ini kita akan mempelajari cara membuat countour plot dengan Matplotlib.

1.1 1. Import Modules

```
[1]: %matplotlib inline
```

```
[2]: import matplotlib
import matplotlib.pyplot as plt
import numpy as np

print(matplotlib.__version__)
print(np.__version__)
```

3.3.4

1.20.1

1.2 2. Sample Dataset

```
[3]: n = np.linspace(-3.0, 3.0, 100)

x, y = np.meshgrid(n, n)
z = np.sqrt(x**2, y**2)

print(x.shape)
print(y.shape)
print(z.shape)
```

(100, 100)

(100, 100)

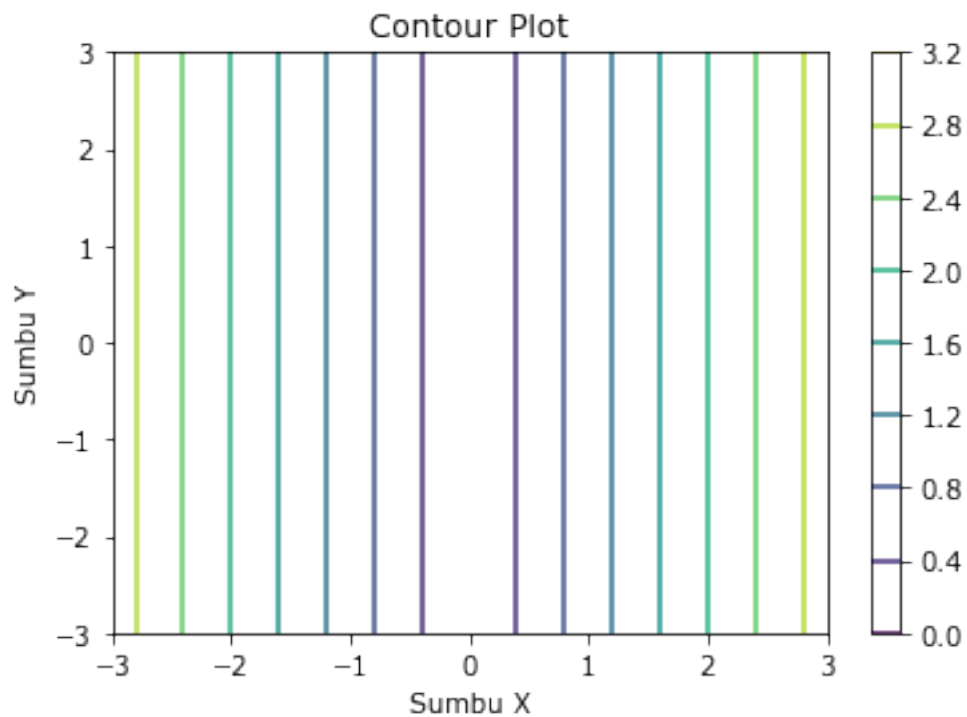
(100, 100)

1.3 3. Contour Plot

```
[4]: plt.contour(x, y, z)
plt.colorbar()

plt.title('Contour Plot')
plt.xlabel('Sumbu X')
plt.ylabel('Sumbu Y')

plt.show()
```



2 4. Filled Contour Plot

```
[5]: plt.contourf(x, y, z)
plt.colorbar()

plt.title('Filled Contour Plot')
plt.xlabel('Sumbu X')
plt.ylabel('Sumbu Y')

plt.show()
```

