Matplotlib 13_ Belajar 3D Plot

June 8, 2022

1 3D Plotting

Dalam sesi ini kita akan mempelajari cara membuat 3D plotting dengan Matplotlib.

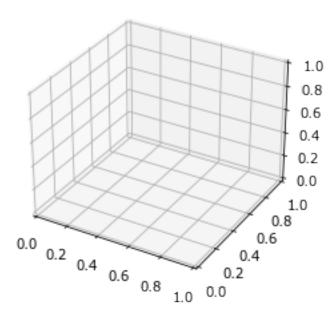
1.1 1. Import Modules

```
[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

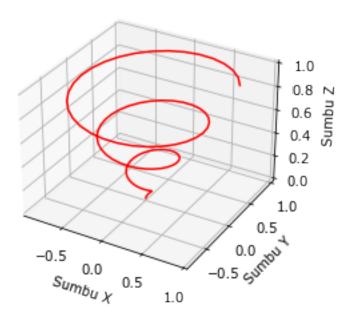
1.2 2. 3D Axes
[3]: fig = plt.figure()
ax = plt.axes(projection='3d')
plt.show()
```



1.3 3. 3D Line Plot

```
[4]: z = np.linspace(0, 1, 100)
x = z * np.sin(20 * z)
y = z * np.cos(20 * z)
```

Contoh 3D Line Plot



1.4 4. 3D Scatter Plot

```
[6]: z = np.linspace(0, 1, 100)
x = z * np.sin(20 * z)
y = z * np.cos(20 * z)
```

Contoh 3D Scatter Plot

