

**LAPORAN PRAKTIKUM
PEMROGRAMAN PHYTON**

**PRAKTIKUM
DATA VISUALITATION**



Disusun oleh :
Rossi Dwi Cahyo (V3923018)

Dosen
Yusuf Fadila Rachman. S.Kom., M.Kom

**PS D-III TEKNIK INFORMATIKA
SEKOLAH VOKASI
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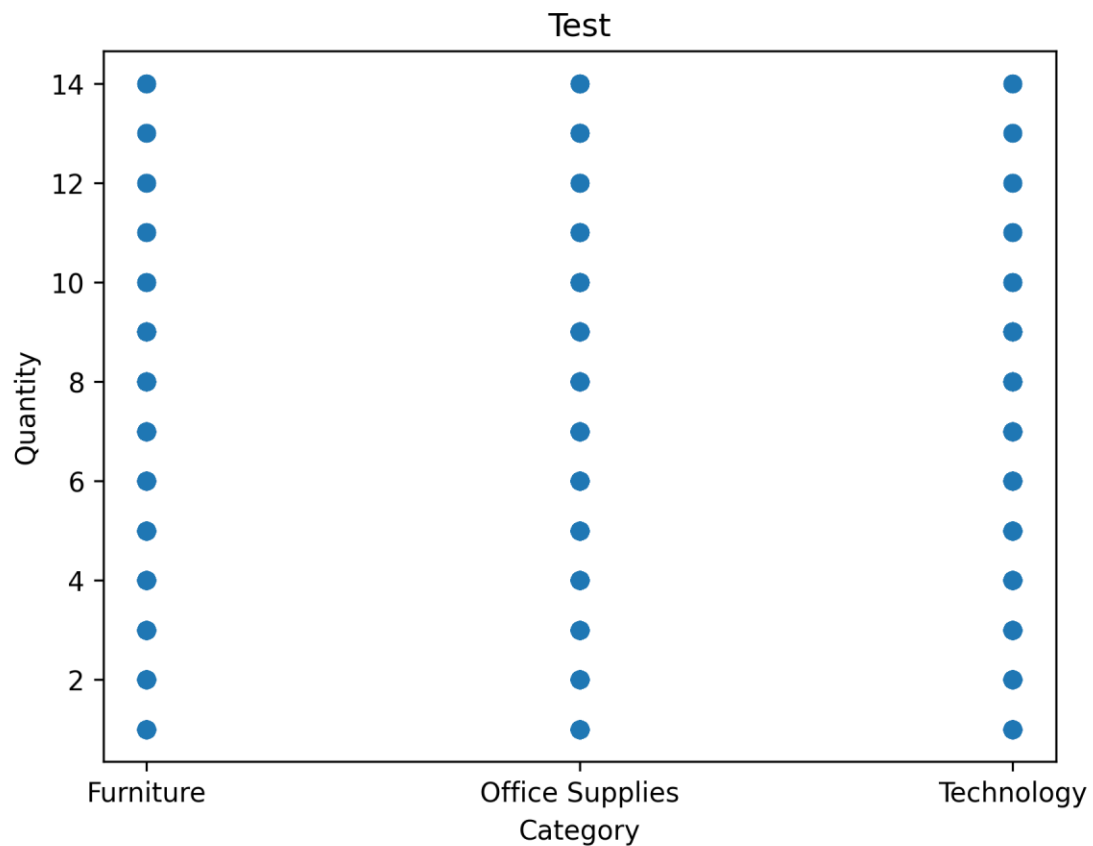
Hasil dan Pembahasan

- Scater Plot

Code

```
1 import pandas as pd
2
3 data = pd.read_csv("Data Sales3.csv", delimiter = ";")
4 print(data.head(10))
5
6
7 # Scater Plot
8 import pandas as pd
9 import matplotlib.pyplot as plt
10
11 data = pd.read_csv("Data Sales3.csv", delimiter = ";")
12
13 plt.scatter(data['Category'], data['Quantity'])
14 plt.title("Test")
15 plt.xlabel('Category')
16 plt.ylabel('Quantity')
17 plt.savefig('scatter_plot.png', dpi=300, bbox_inches='tight')
18 plt.show()
19
20
```

Output :

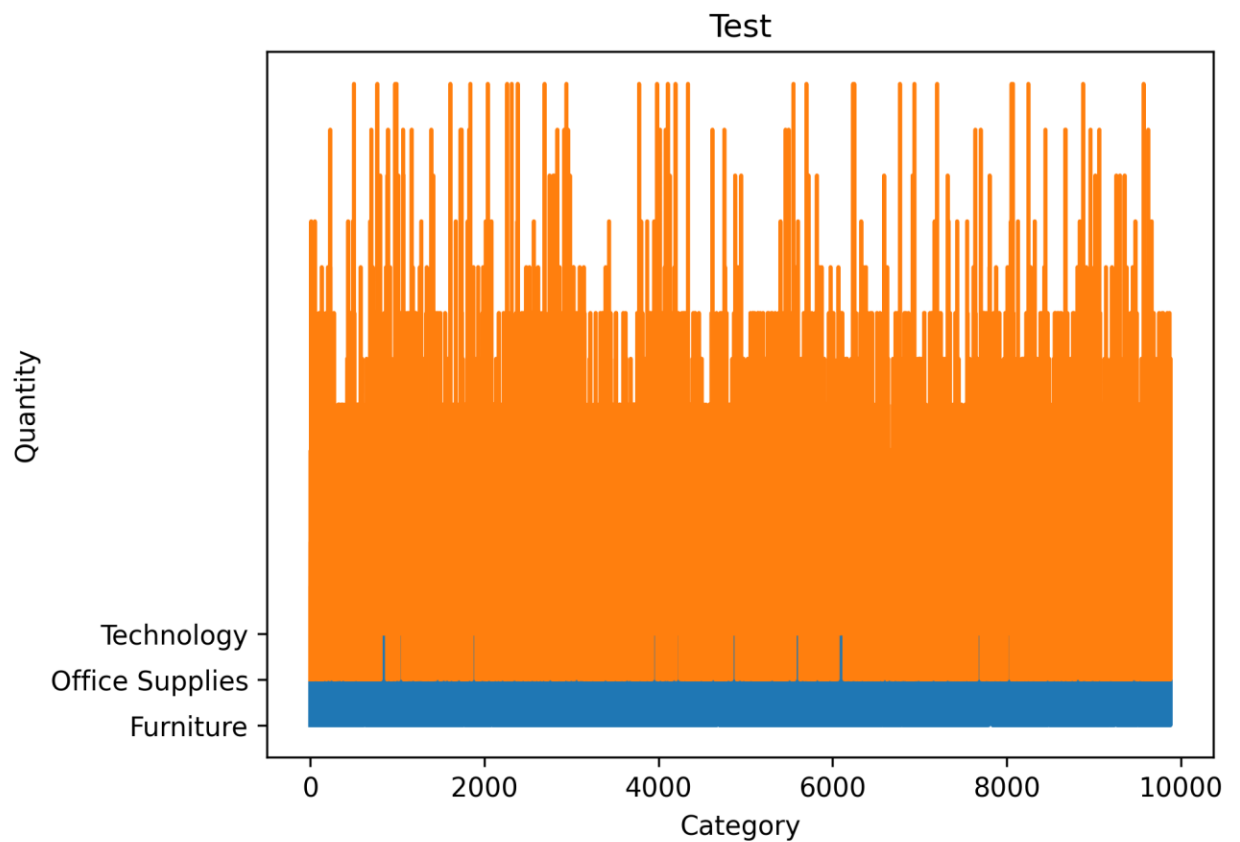


- **Line Chart**

Code

```
20
21 # Line Chart
22
23 import pandas as pd
24 import matplotlib.pyplot as plt
25
26 data = pd.read_csv("Data Sales3.csv", delimiter = ";")
27
28 plt.plot(data['Category'])
29 plt.plot(data['Quantity'])
30 plt.title("Test")
31 plt.xlabel('Category')
32 plt.ylabel('Quantity')
33 plt.savefig('line.png', dpi=300, bbox_inches='tight')
34 plt.show()
35
```

Output

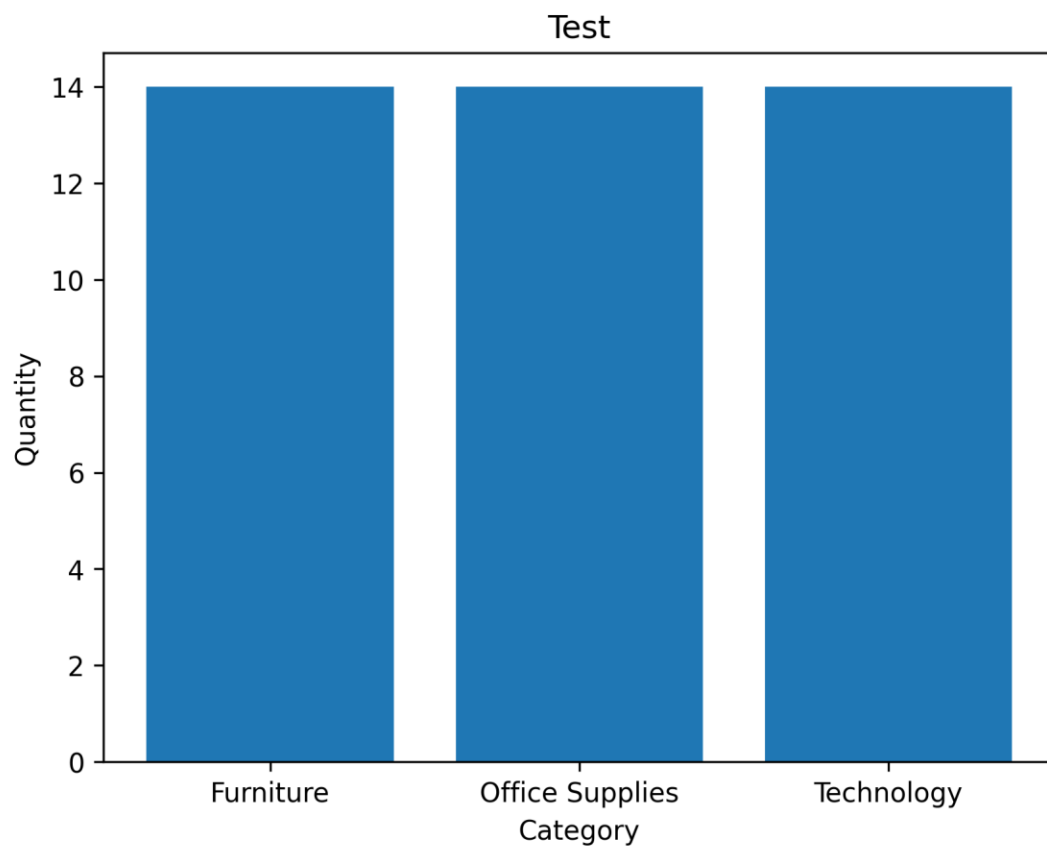


- **Bar Chart**

Code

```
36
37 # Bar Chart
38 import pandas as pd
39 import matplotlib.pyplot as plt
40
41 data = pd.read_csv("Data Sales3.csv", delimiter = ";")
42
43 plt.bar(data['Category'], data['Quantity'])
44 plt.title("Test")
45 plt.xlabel('Category')
46 plt.ylabel('Quantity')
47 plt.savefig('bar.png', dpi=300, bbox_inches='tight')
48 plt.show()
49
```

Output

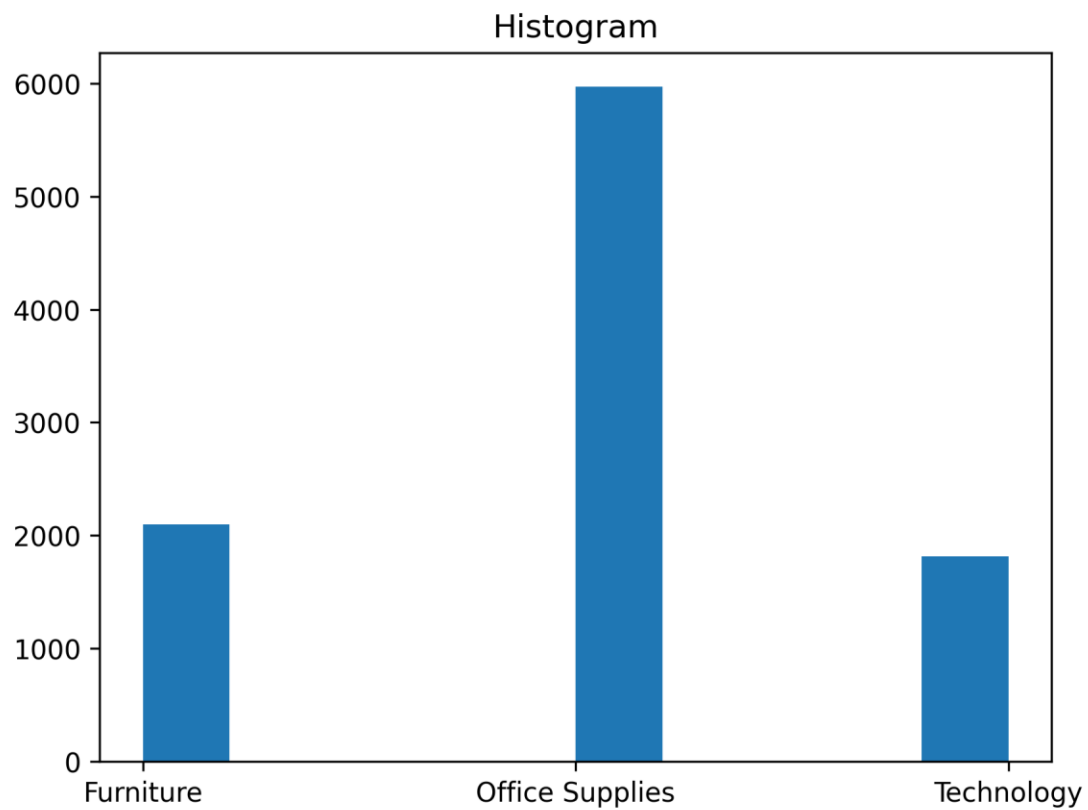


- **Histogram**

Code

```
51 # Histogram
52 import pandas as pd
53 import matplotlib.pyplot as plt
54
55 data = pd.read_csv("Data Sales3.csv", delimiter = ";")
56
57 plt.hist(data['Category'])
58 plt.title("Histogram")
59 plt.savefig('histogram.png', dpi=300, bbox_inches='tight')
60 plt.show()
61
62
```

Output



- **Pie Chart**

Code

```
62  
63 # Pie Chart  
64 import pandas as pd  
65 import matplotlib.pyplot as plt  
66  
67 data = pd.read_csv("Data Sales3.csv", delimiter = ";")  
68 sales = ['Category', 'Quantity']  
69 datasales = [23, 10]  
70  
71 plt.pie(datasales, labels=sales)  
72 plt.title("Sales Data")  
73 plt.savefig('pie.png', dpi=300, bbox_inches='tight')  
74 plt.show()
```

Output

