LAPORAN PRAKTIKUM
PEMROGRAMAN PHYTON

PRAKTIKUM
DATA VISUALITATION

Disusun oleh :
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Dosen
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PS D-III TEKNIK INFORMATIKA
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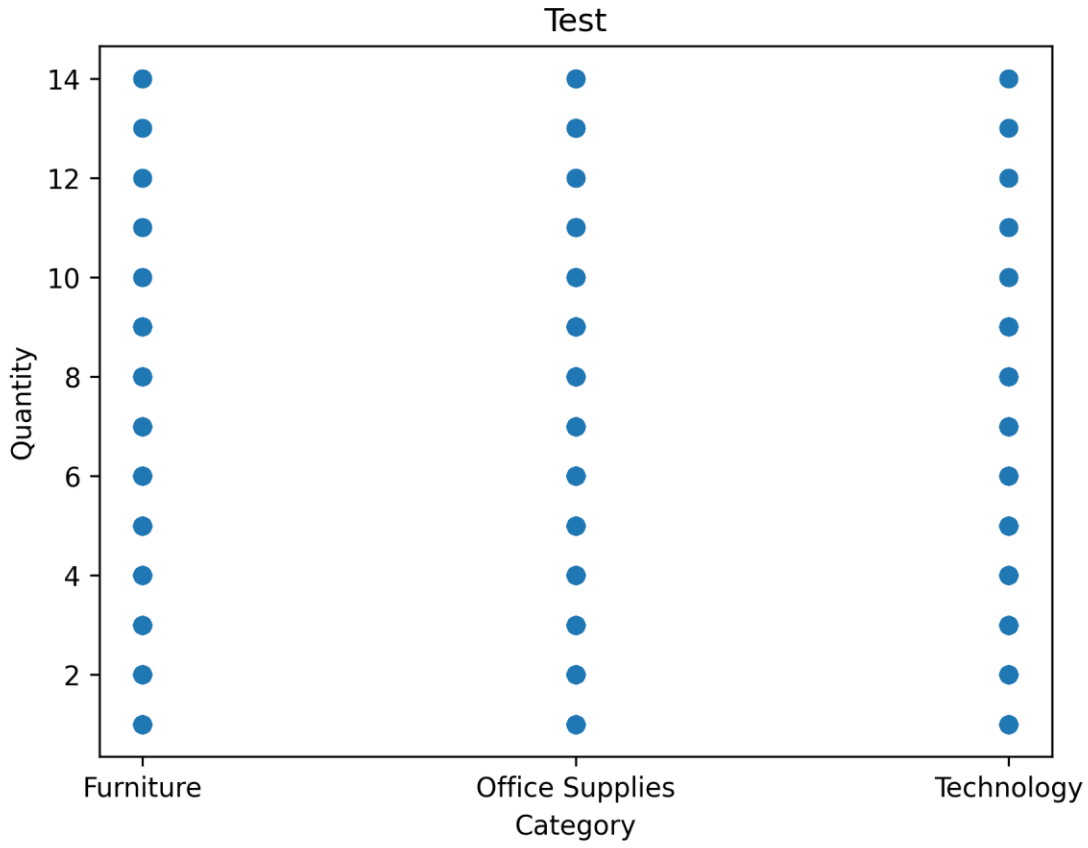
Hasil dan Pembahasan

- **Scater Plot**

Code

```python
import pandas as pd

data = pd.read_csv("Data Sales3.csv", delimiter = ";")
print(data.head(10))


# Scater Plot
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("Data Sales3.csv", delimiter = ";")

plt.scatter(data['Category'], data['Quantity'])
plt.title("Test")
plt.xlabel('Category')
plt.ylabel('Quantity')
plt.savefig('scatter_plot.png', dpi=300, bbox_inches='tight')
plt.show()

```

Output :

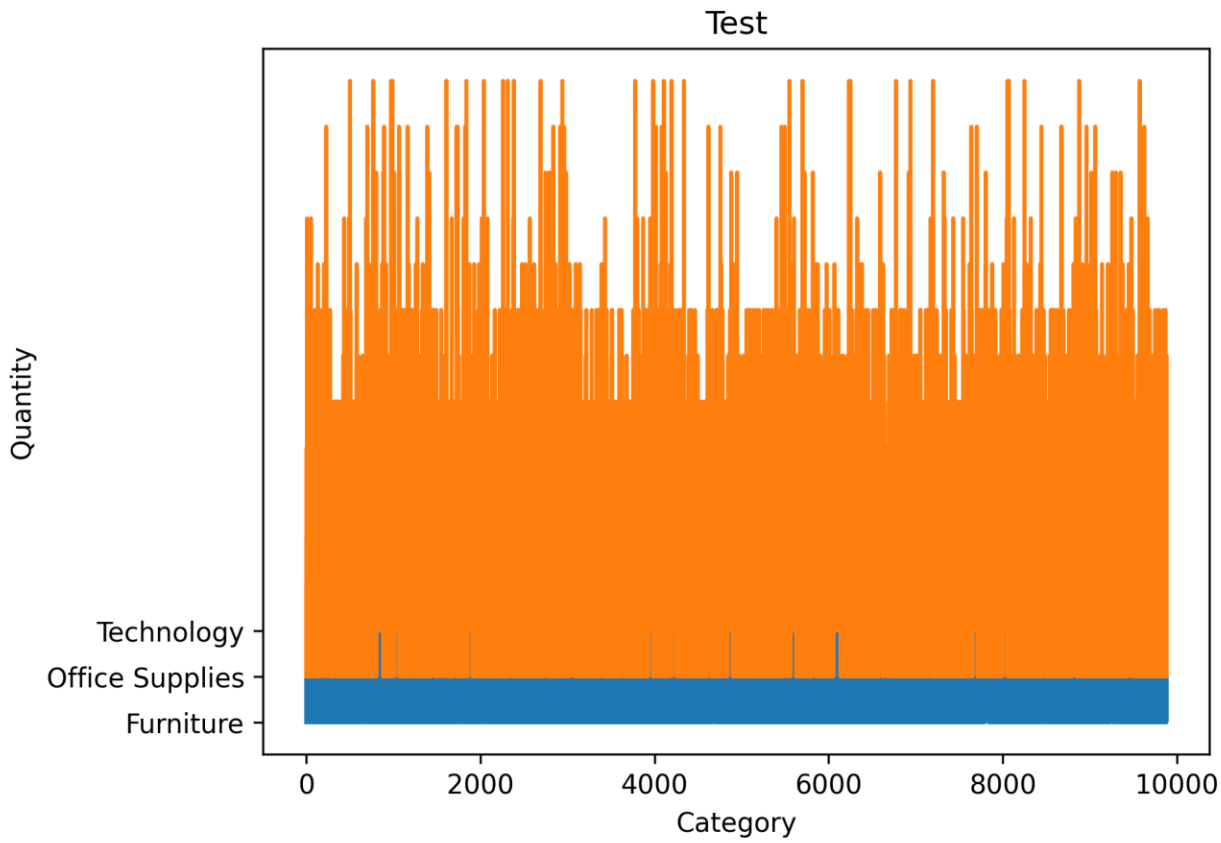


- **Line Chart**

Code

```
# Line Chart

import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("Data Sales3.csv", delimiter = ";")

plt.plot(data['Category'])
plt.plot(data['Quantity'])
plt.title("Test")
plt.xlabel('Category')
plt.ylabel('Quantity')
plt.savefig('line.png', dpi=300, bbox_inches='tight')
plt.show()

```

Output

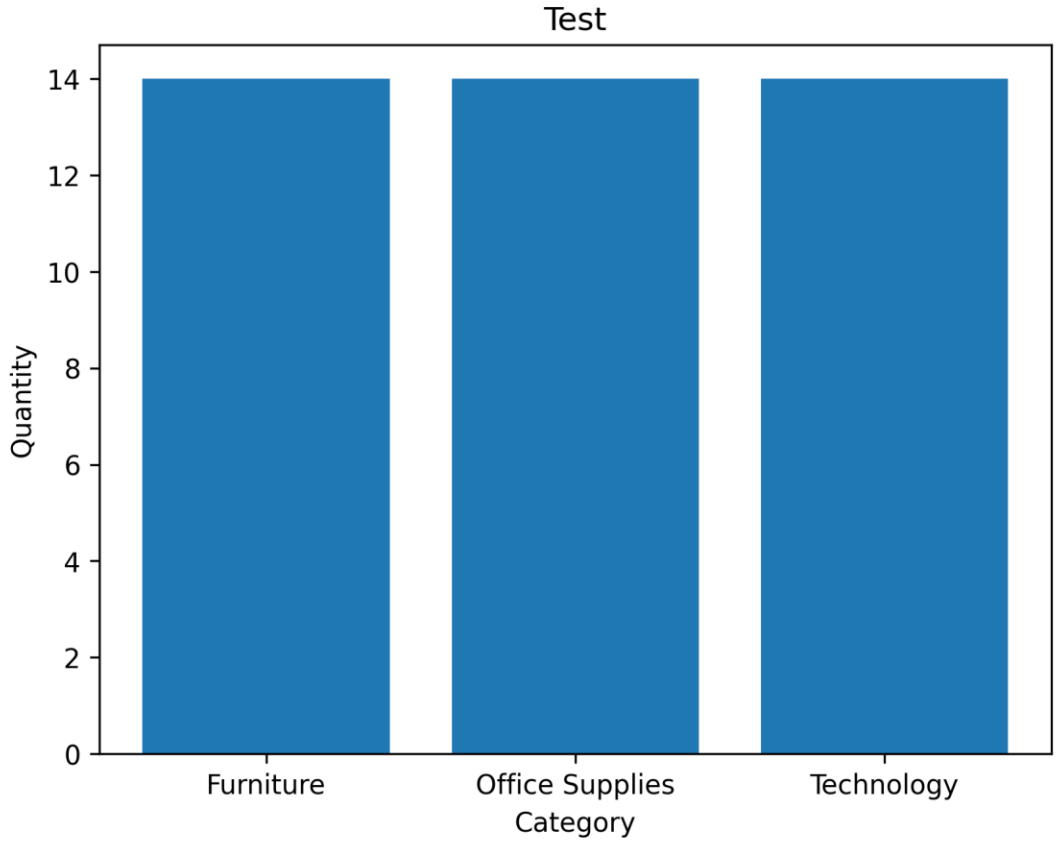


- **Bar Chart**

Code

```python
# Bar Chart
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("Data Sales3.csv", delimiter = ";")

plt.bar(data['Category'], data['Quantity'])
plt.title("Test")
plt.xlabel('Category')
plt.ylabel('Quantity')
plt.savefig('bar.png', dpi=300, bbox_inches='tight')
plt.show()
```

Output

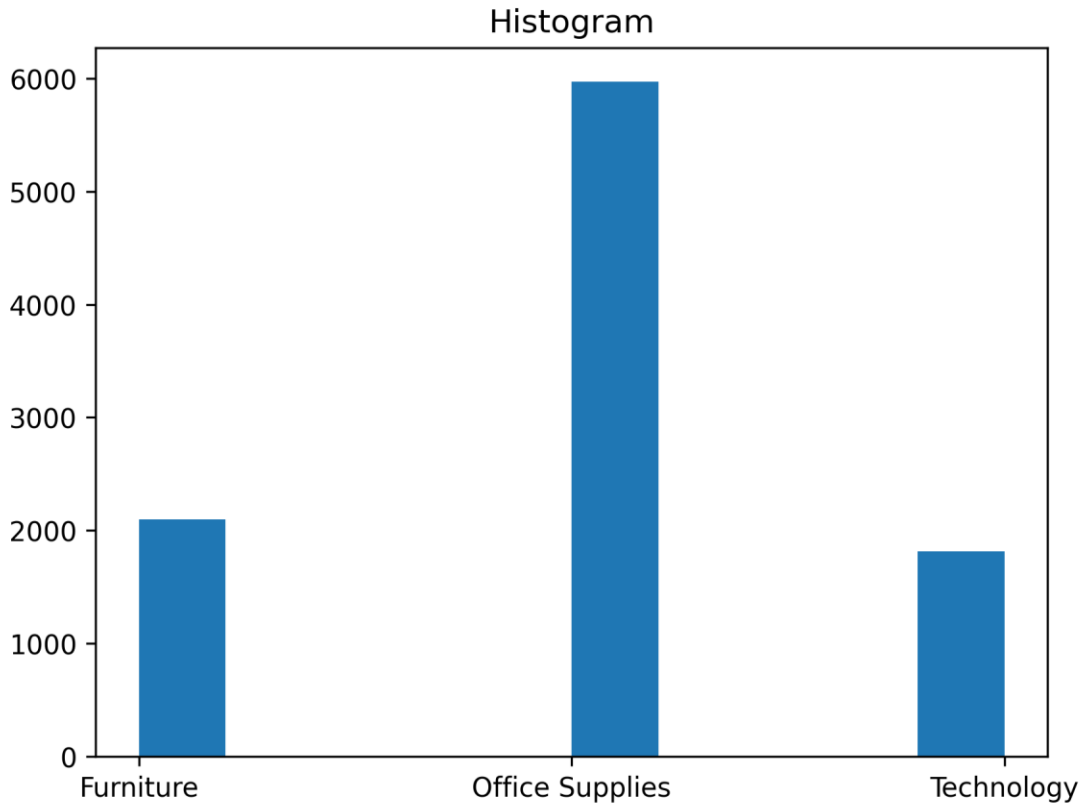


- **Histogram**

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
```

Ouput



- **Pie Chart**

Code

```
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