TUGAS MACHINE LEARNING



Disusun oleh:

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Tugas Petermuan 3

1. Praktek 1

• Persiapan dataset: Iris Dataset

• Training model Decision Tree Classifier

```
[4]: from sklearn.tree import DecisionTreeClassifier

model = DecisionTreeClassifier(max_depth=4)

print('Ichsan Haryadi Putra')

model.fit(X_train, y_train)

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[4]: DecisionTreeClassifier

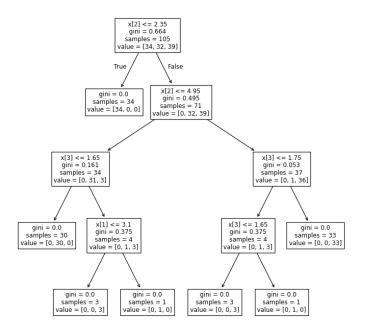
DecisionTreeClassifier(max_depth=4)
```

Visualisasi model Decision Tree

```
[5]: import matplotlib.pyplot as plt
from sklearn import tree

print('Ichsan Haryadi Putra')
plt.rcParams['figure.dpi'] = 85
plt.subplots(figsize=(10, 10))
tree.plot_tree(model, fontsize=10)
plt.show()

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```



• Evaluasi model Decision Tree

2. Praktek 2

• Persiapan dataset | Iris Flower Dataset

Implementasi Random Forest Classifier dengan Scikit Learn

• Evaluasi model dengan Classification Report