Nama : Muhammad Khotibul Umam Senoaji

NIM : L200170050

Kelas : C

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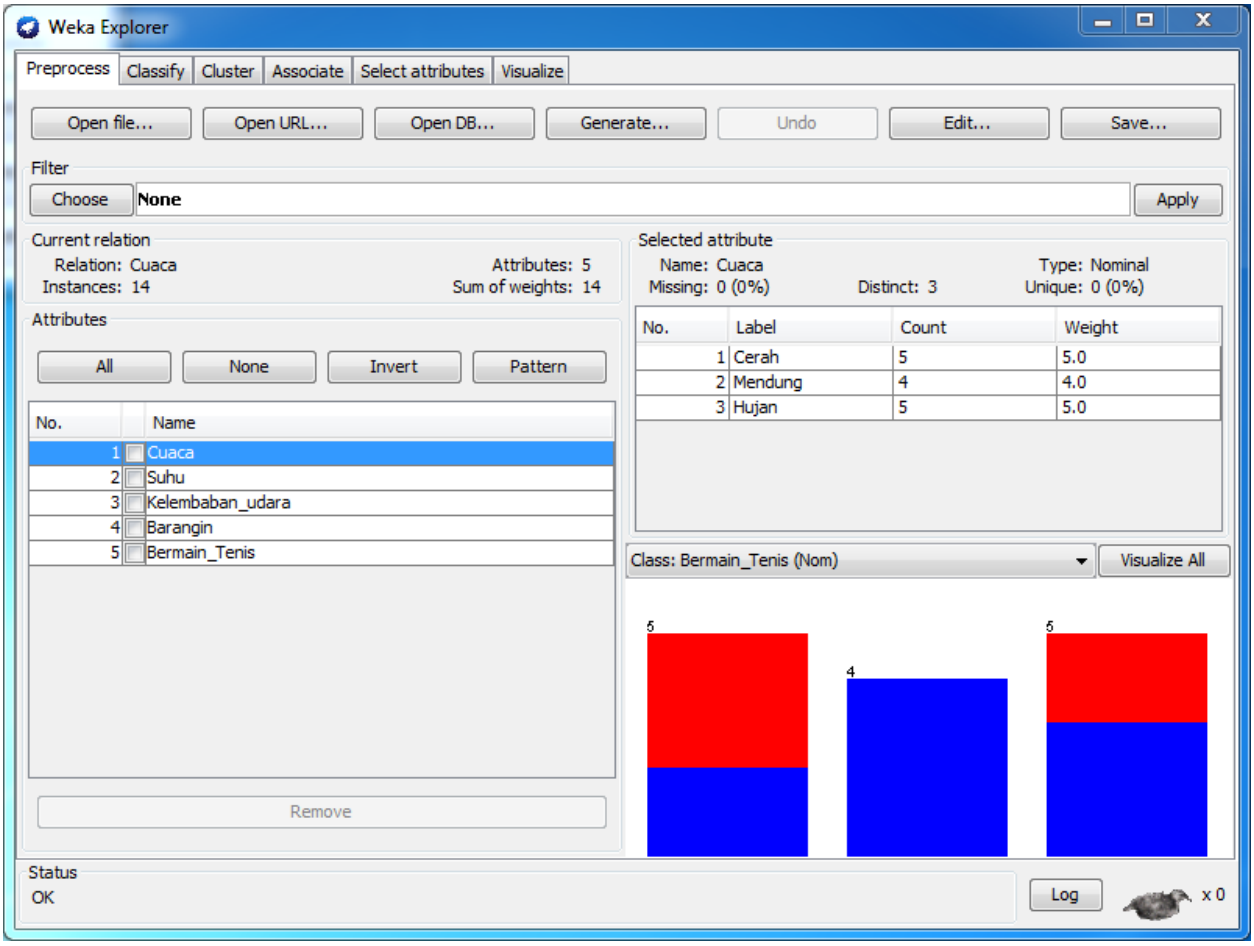
MODUL IX

KLASIFIKASI : DECISION TREE

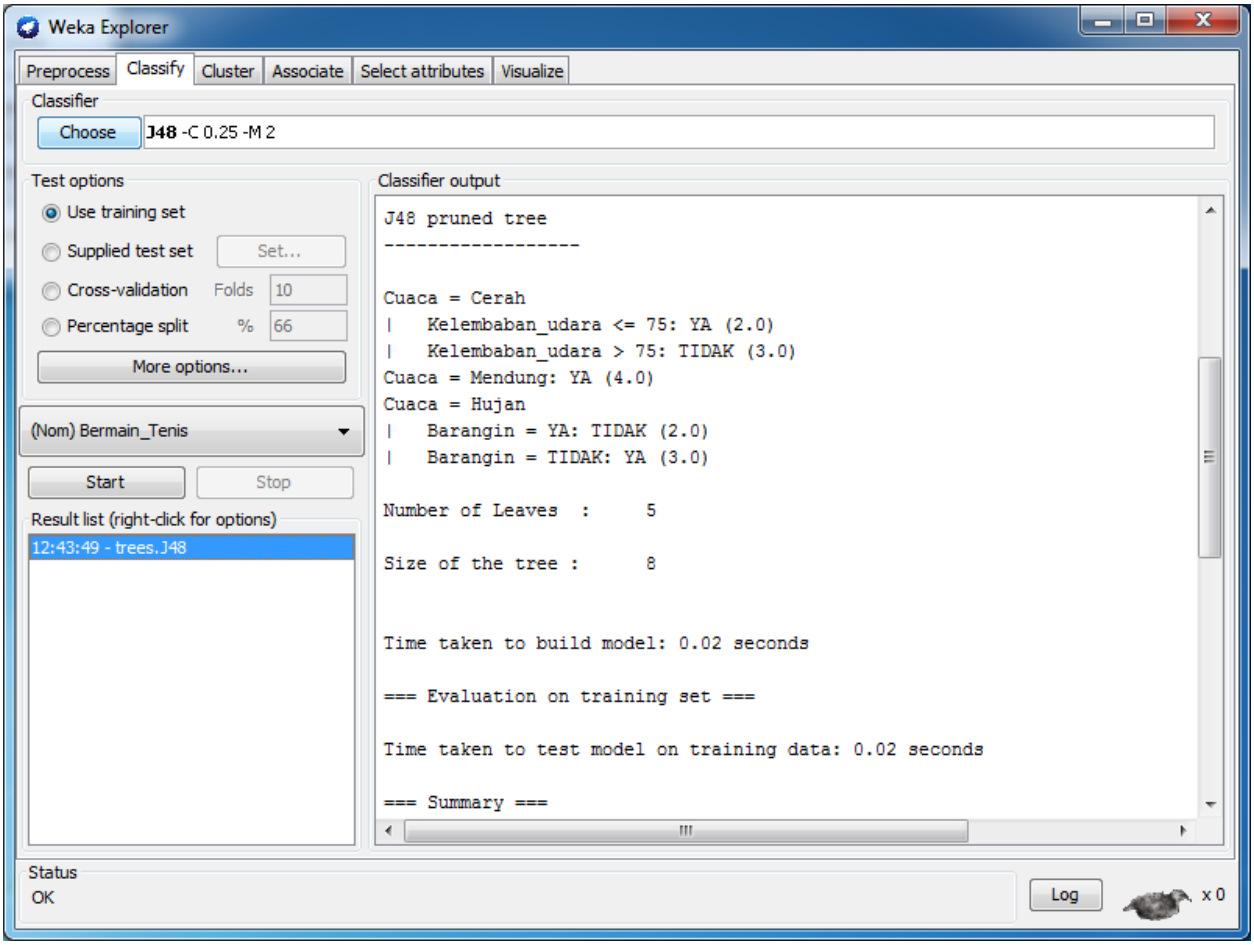
9.4 Langkah-langkah Praktikum

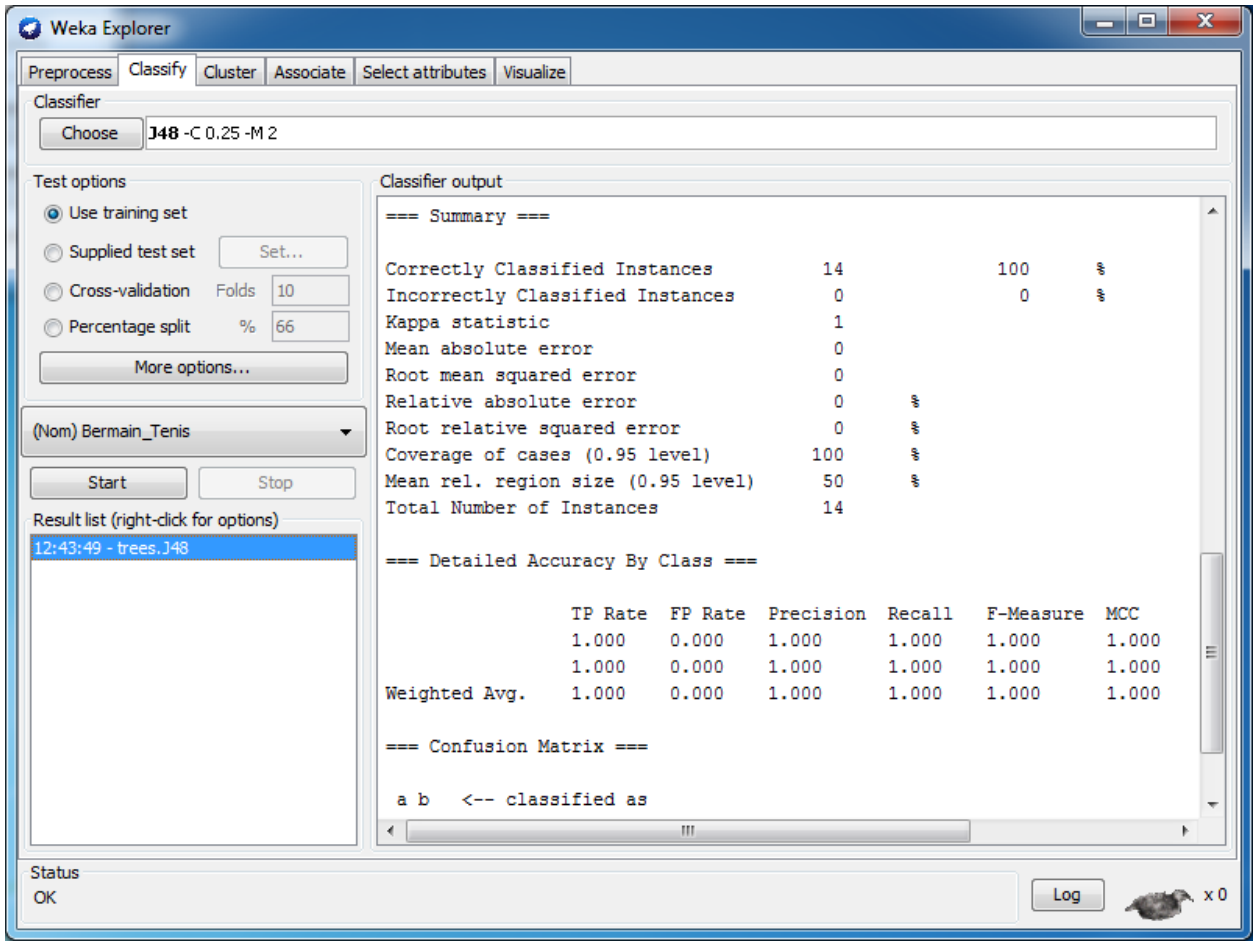
9.4.1 Pohon Keputusan Menggunakan WEKA

1. Buka file **Cuaca.arff**, dengan Weka Explore.

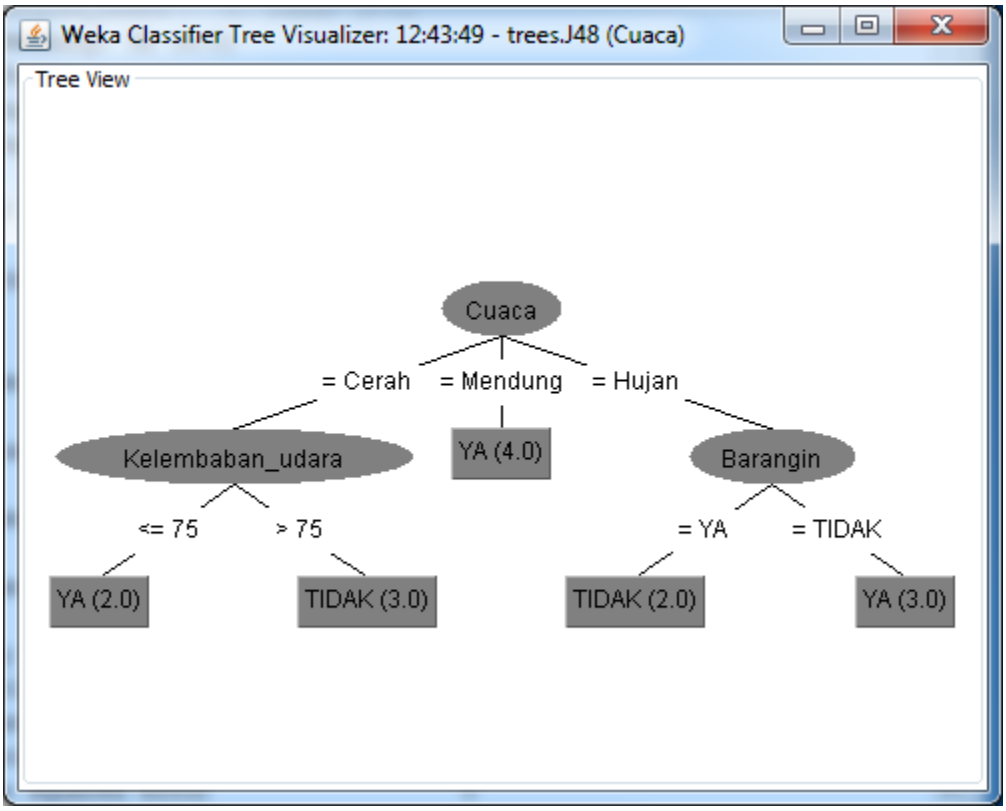


2. Klik tab **Classify** dan tekan tombol **Choose**, pilih **Trees => J48**, pilih **Use training set** pada **Test options** dan pastikan atribut dependen pada **Bermain_Tenis** dan klik **Start (symbol segitiga)**.



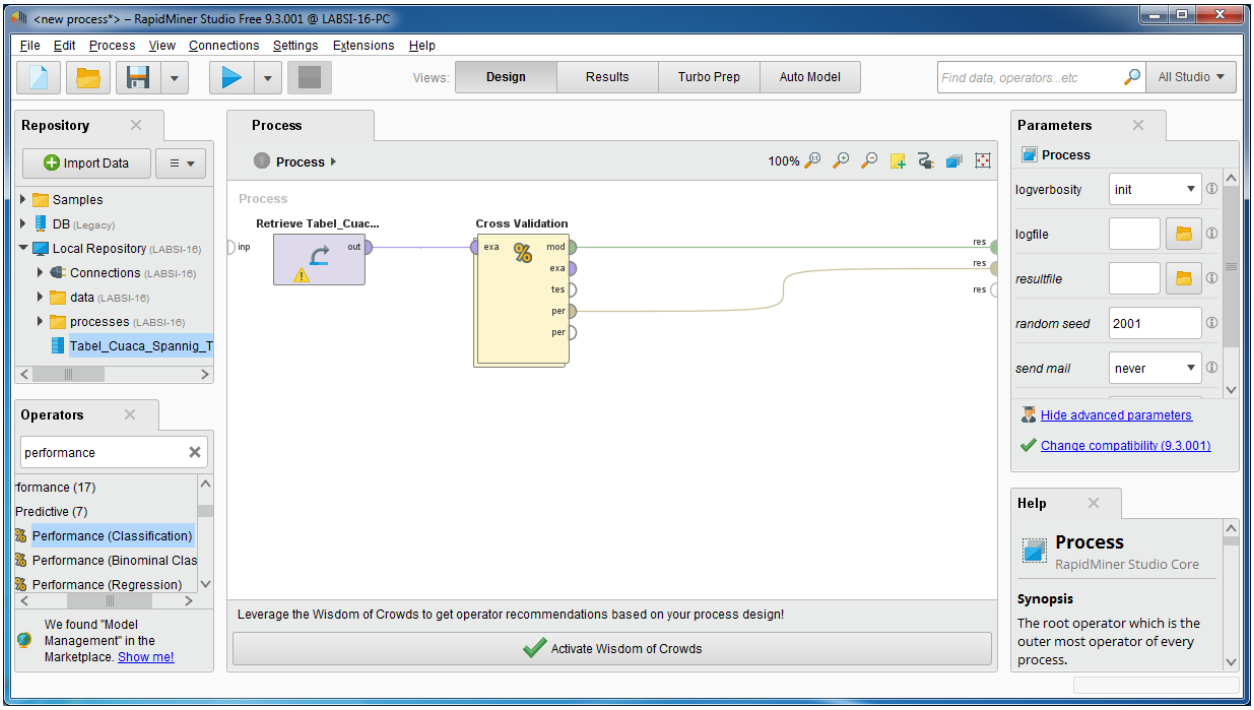

Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Classifier
Choose
J48 -C 0.25 -M 2
Test options
Use training set
Supplied test set
Set...
Cross-validation
Folds
10
Percentage split
%
66
More options...
(Nom) Bermain_Tenis
Start
Stop
Result list (right-click for options)
12:43:49 - trees.J48
Classifier output
=== Summary ===
Correctly Classified Instances 14 100 %
Incorrectly Classified Instances 0 0 %
Kappa statistic 1
Mean absolute error 0
Root mean squared error 0
Relative absolute error 0 %
Root relative squared error 0 %
Coverage of cases (0.95 level) 100 %
Mean rel. region size (0.95 level) 50 %
Total Number of Instances 14
=== Detailed Accuracy By Class ===
TP Rate FP Rate Precision Recall F-Measure MCC
1.000 0.000 1.000 1.000 1.000 1.000
1.000 0.000 1.000 1.000 1.000 1.000
Weighted Avg. 1.000 0.000 1.000 1.000 1.000 1.000
=== Confusion Matrix ===
a b <-- classified as
Status
OK
Log
x 0

3. Klik kanan pada **Result list** dan pilih **Visual tree**, untuk melihat **Pohon Keputusannya**.

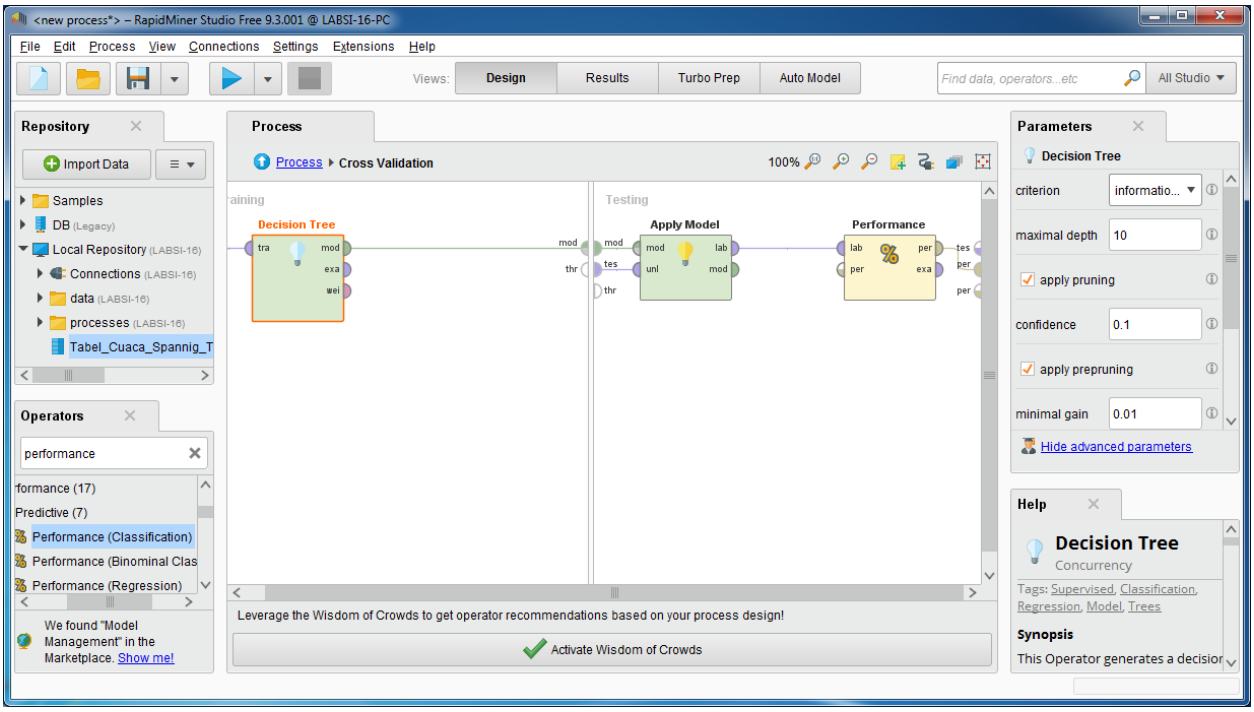


9.4.2 Pohon Keputusan Menggunakan RapidMiner

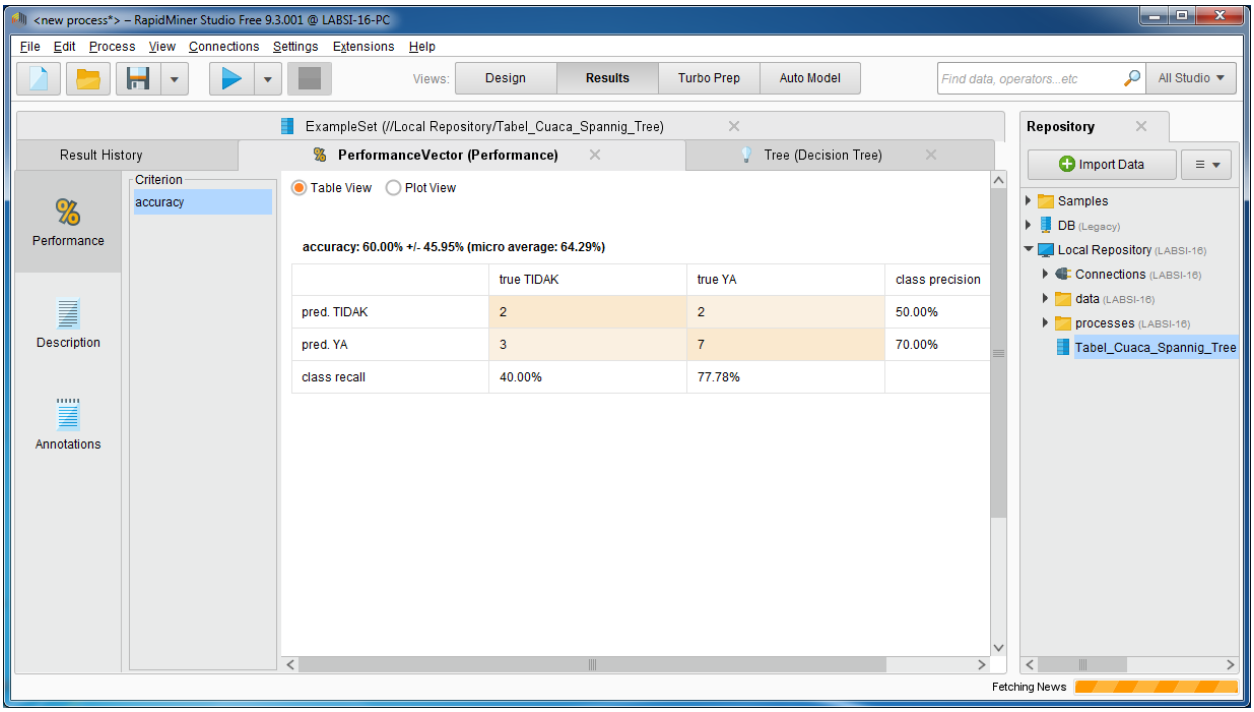
1. Buka **RapidMiner** dan klik **New Process => Blank** pada halaman perspective RapidMiner dan buat data Training, masukkan data training tersebut ke kolom **Process** lalu cari pada kolom **Operators** ketikkan **cross validation**.

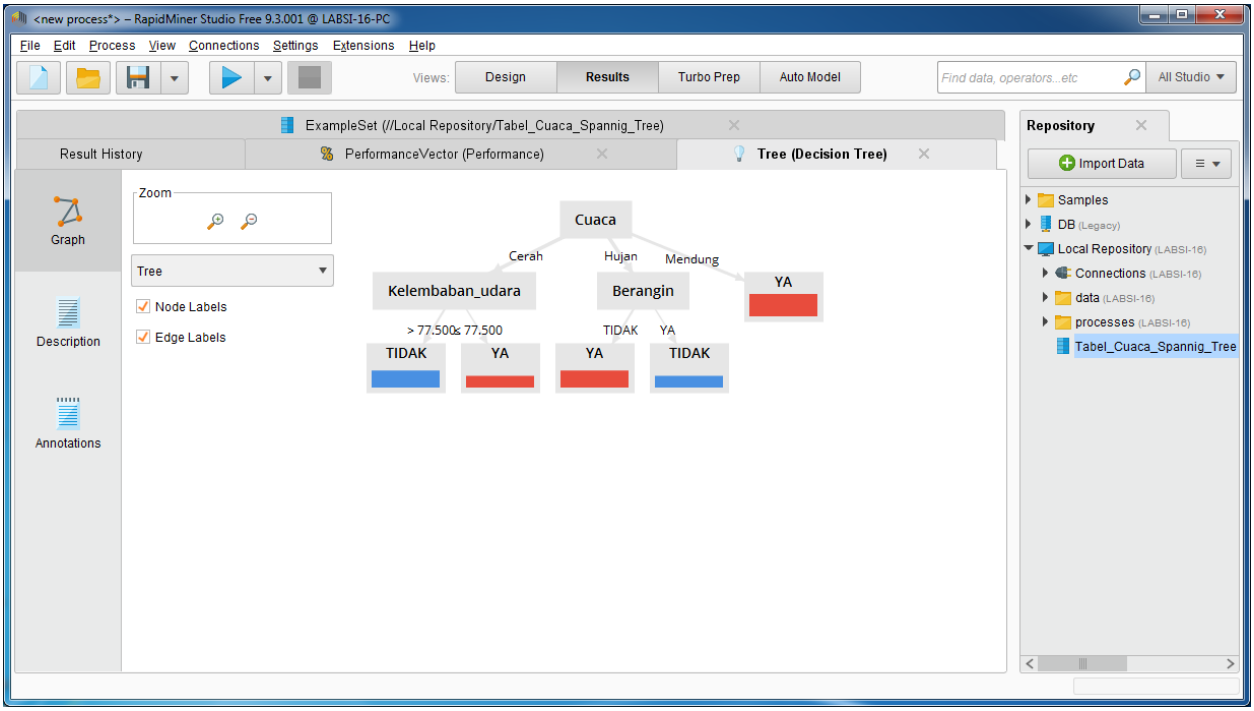


2. Klik 2X pada **Cross Validation** dan masukkan **decision**, **apply model**, dan **performance**, lalu arahkan sesuai instruksi buku.



3. Klik **Start (Simbol segitiga)** lalu lihat hasilnya.




<new process*> – RapidMiner Studio Free 9.3.001 @ LABSI-16-PC
File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
ExampleSet (//Local Repository/Tabel_Cuaca_Spannig_Tree)
Result History
PerformanceVector (Performance)
Tree (Decision Tree)
Graph
Description
Annotations
Zoom
Tree
Node Labels
Edge Labels
Cuaca
Cerah
Hujan
Mendung
Kelembaban_udara
Berangin
YA
> 77.500
≤ 77.500
TIDAK
YA
TIDAK
YA
YA
TIDAK
Repository
Import Data
Samples
DB (Legacy)
Local Repository (LABSI-16)
Connections (LABSI-16)
data (LABSI-16)
processes (LABSI-16)
Tabel_Cuaca_Spannig_Tree

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