Nama : Roni Ardianzah
Nim : L20070073
Kelas : C

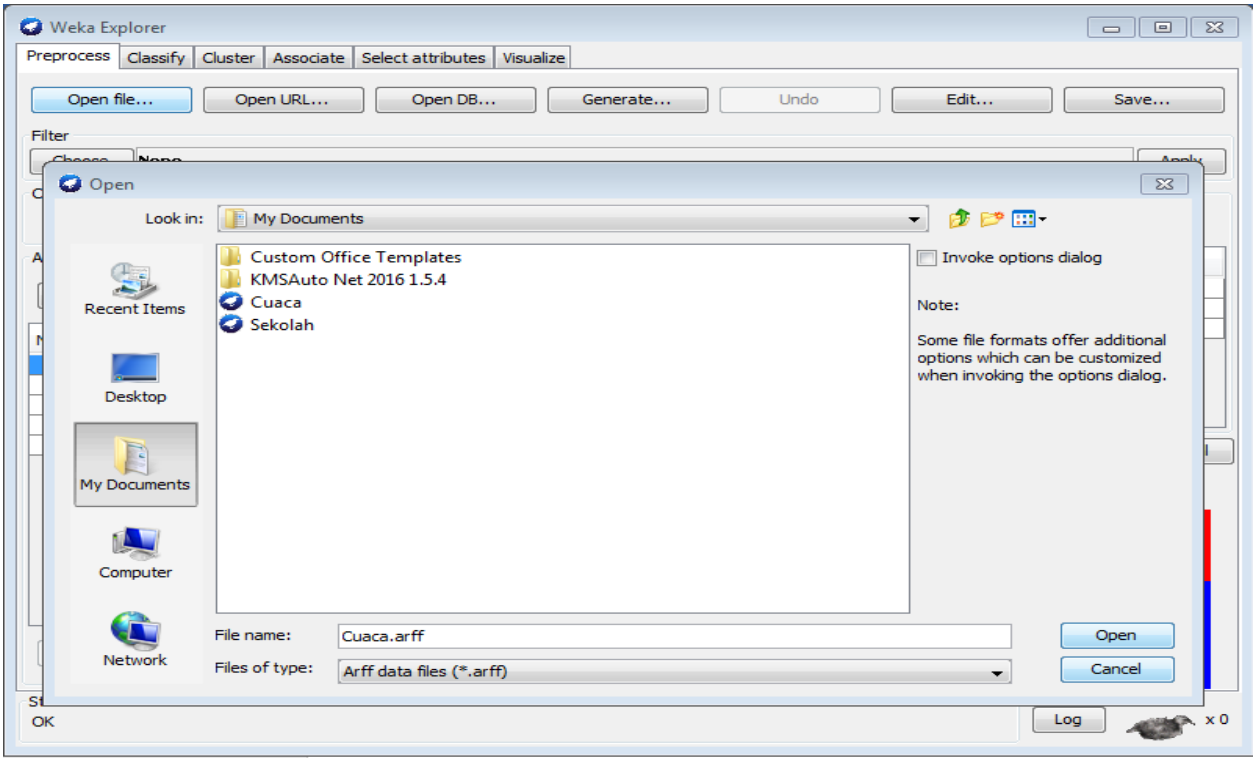
Modul-09

KLASIFIKASI : DECISION TREE

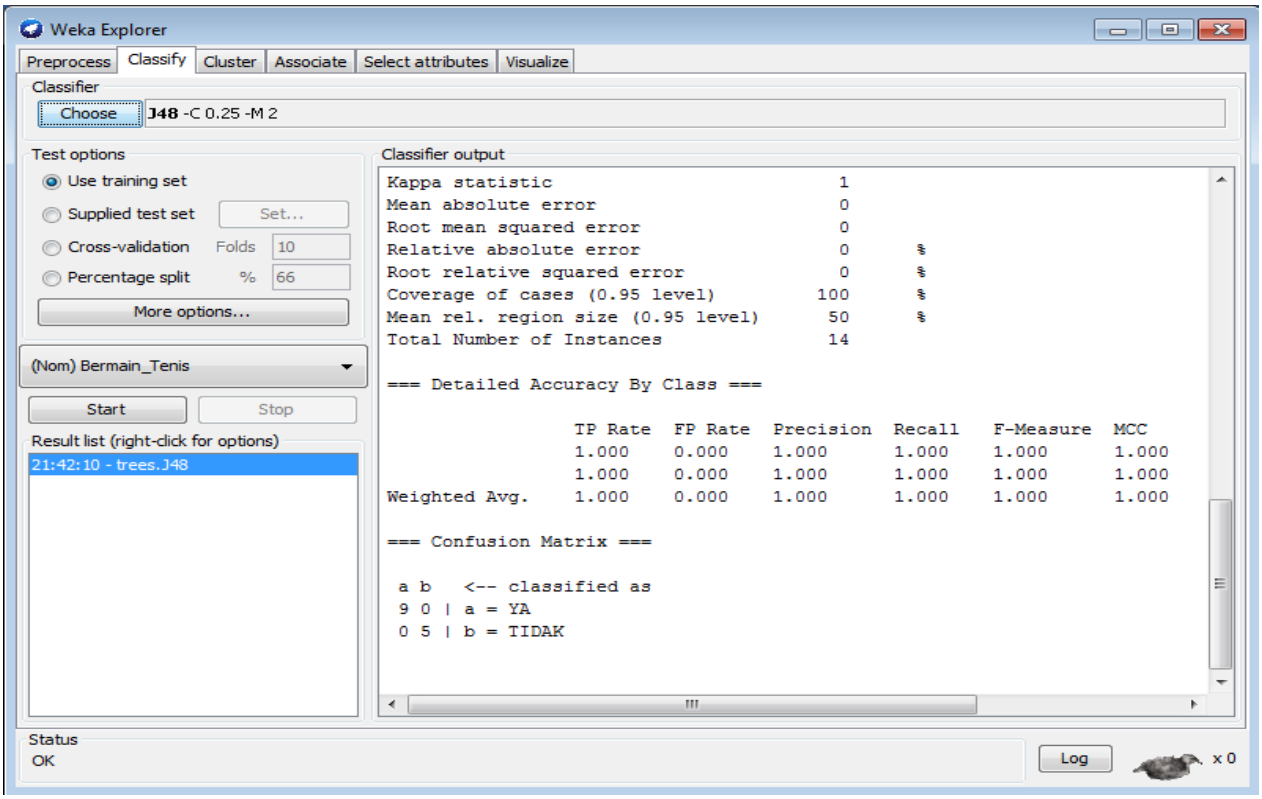
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

LANGKAH-LANGKAH PRAKTIKUM:

- **OPEN FILE Cuaca.arff**



- **BUKA TAB CALSSIFY PILIH TREES-J48**



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KLASIFIKASI : DECISION TREE

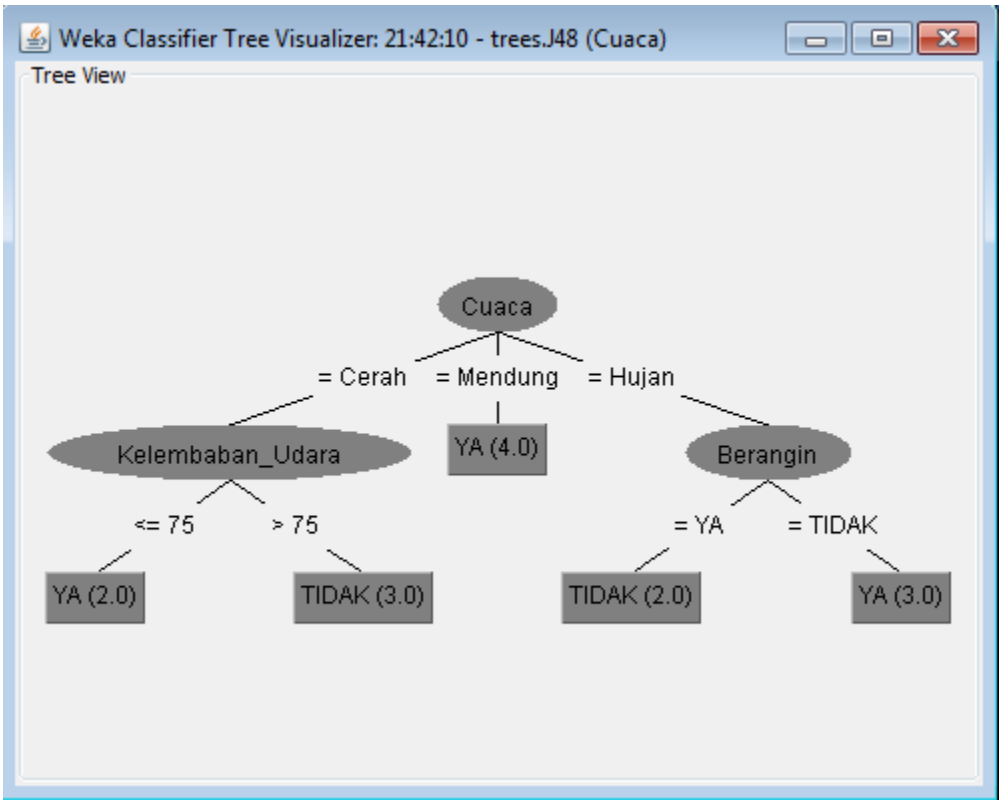
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

- **Classifier Output**

Classifier output

```
Cuaca = Cerah
|   Kelembaban_Udara <= 75: YA (2.0)
|   Kelembaban_Udara > 75: TIDAK (3.0)
Cuaca = Mendung: YA (4.0)
Cuaca = Hujan
|   Berangin = YA: TIDAK (2.0)
|   Berangin = TIDAK: YA (3.0)

Number of Leaves  :     5

Size of the tree :      8


Time taken to build model: 0.02 seconds

=== Evaluation on training set ===

Time taken to test model on training data: 0 seconds

=== 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      %
```

- **Visualize tree**



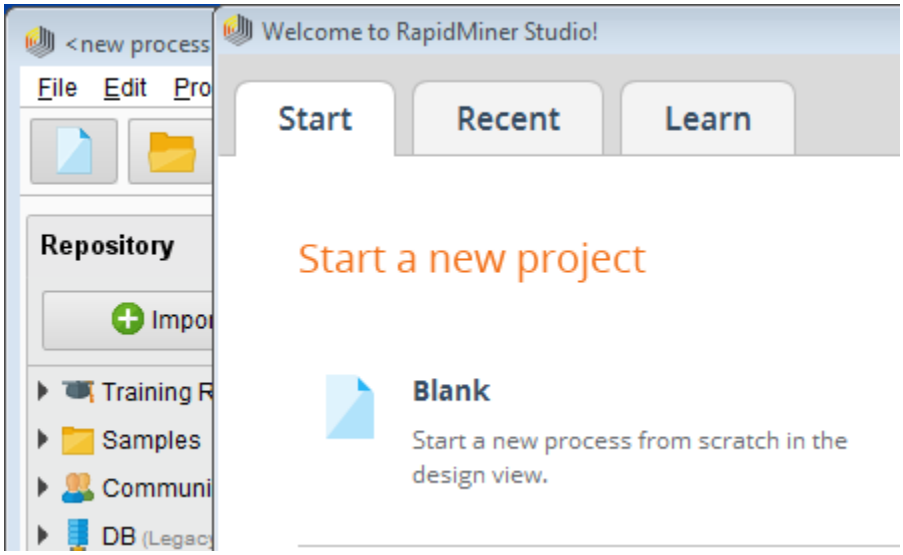
Modul-09

KLASIFIKASI : DECISION TREE

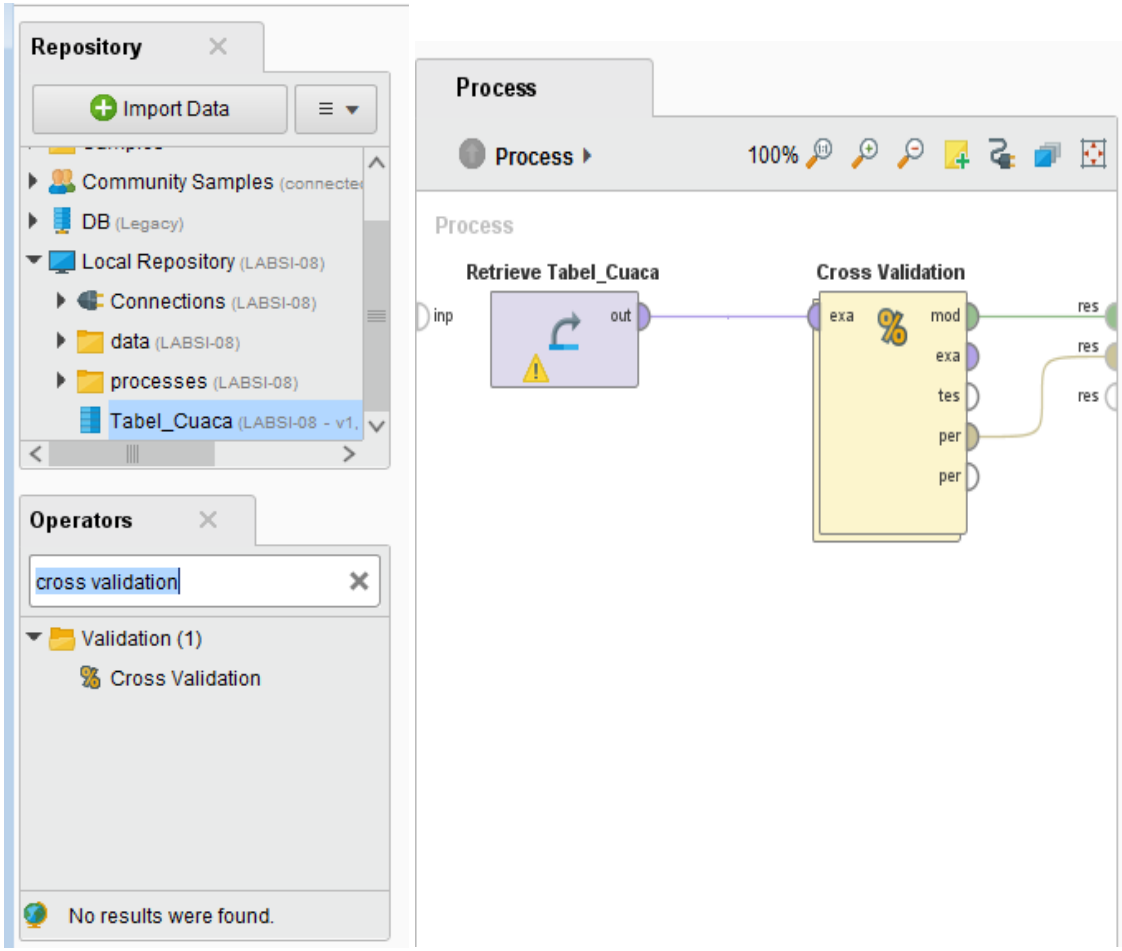
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

POHON KEPUTUSAN MENGGUNAKAN RAPID MINER

- **BUKA APLIKASI RAPIDMINER**
- **KLIK NEW PROCESS BLANK**



- **DRAG DataCuaca_Trainning ke are poress View dan pula operator cross validation**



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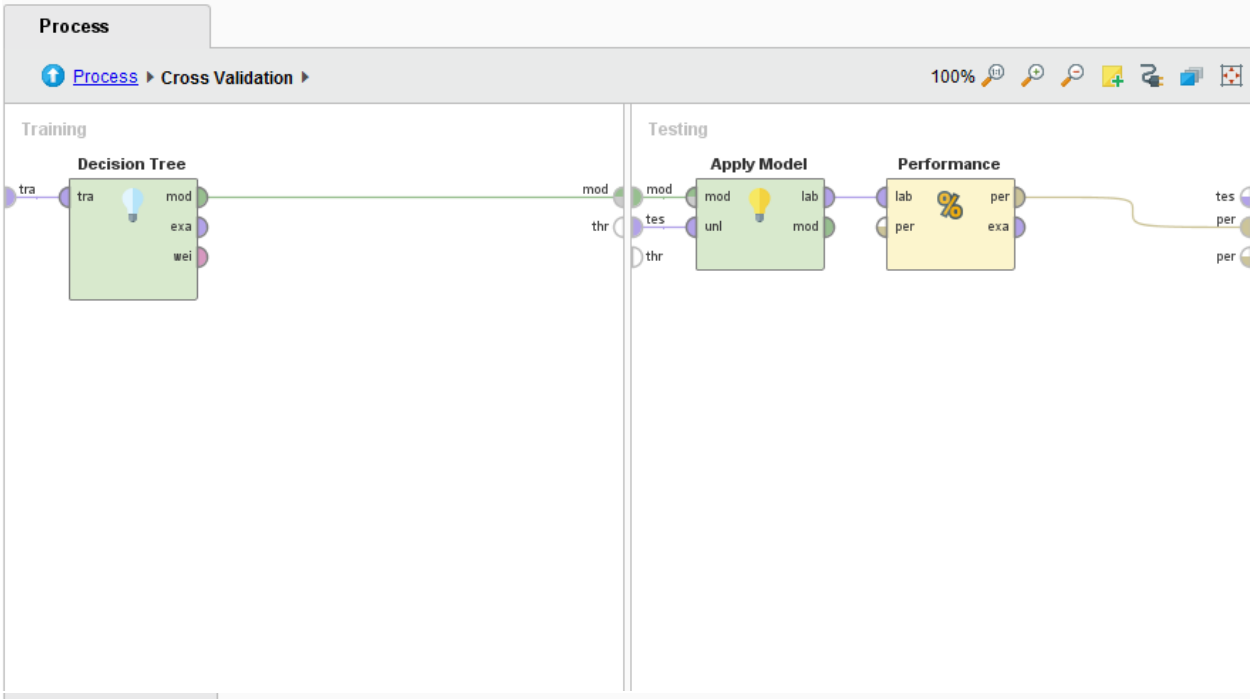
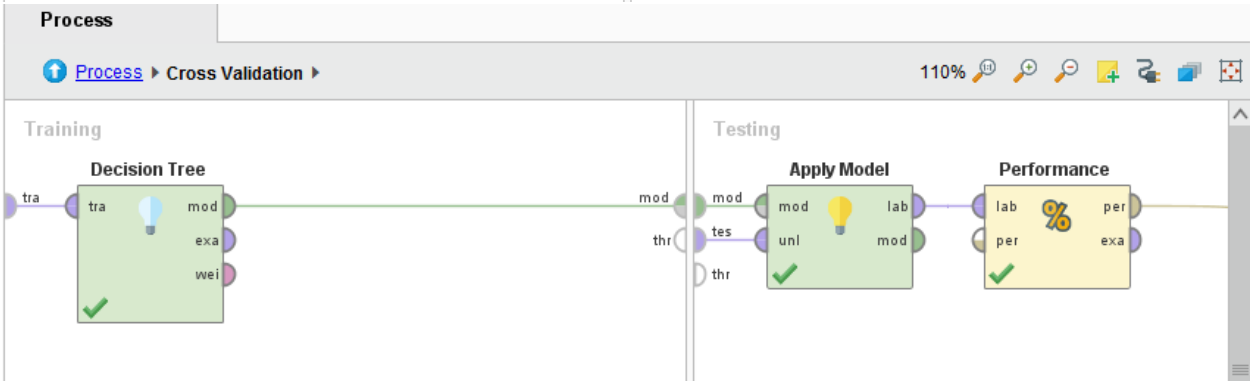
KLASIFIKASI : DECISION TREE

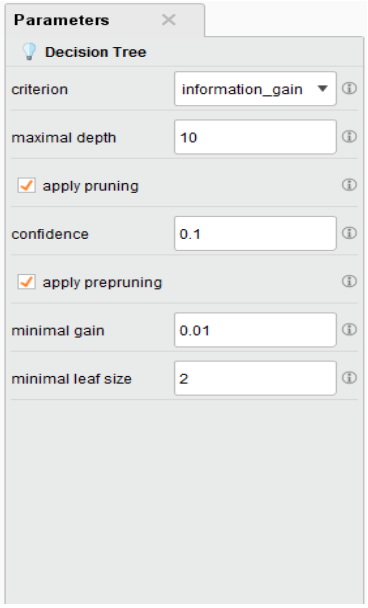
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING



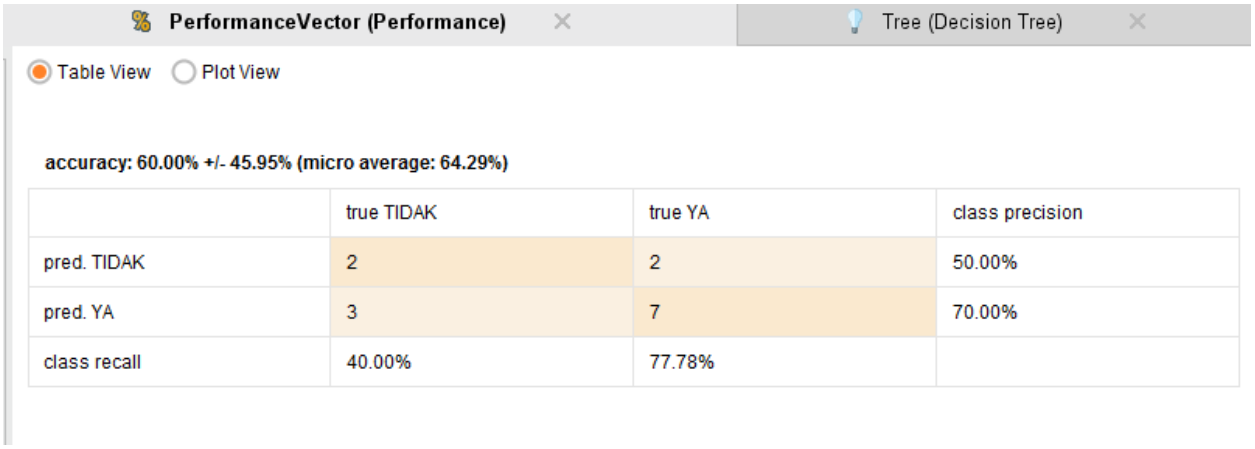


Modul-09
KLASIFIKASI : DECISION TREE
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

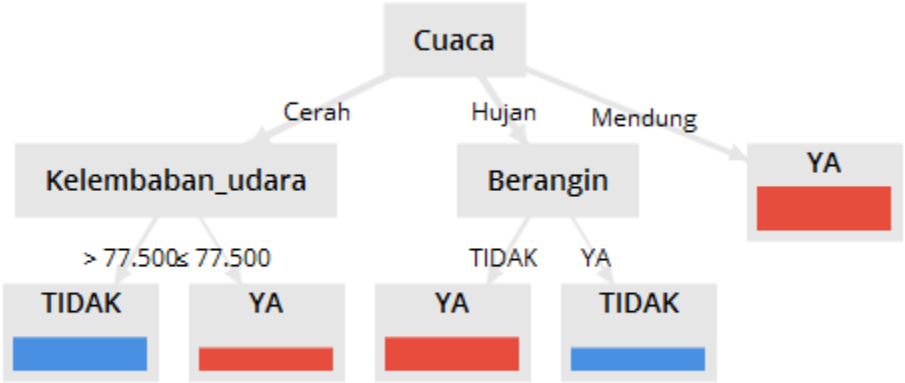
- **Klik decision tree dan pastikan criterionnya information_gain**



- **Klik run atau F11 dan lihat result**



	true TIDAK	true YA	class precision
pred. TIDAK	2	2	50.00%
pred. YA	3	7	70.00%
class recall	40.00%	77.78%	

Modul-09
KLASIFIKASI : DECISION TREE
PRAKTIKUM DATA WAREHOUSING DAN DATA MINING

- **Decision tree**