

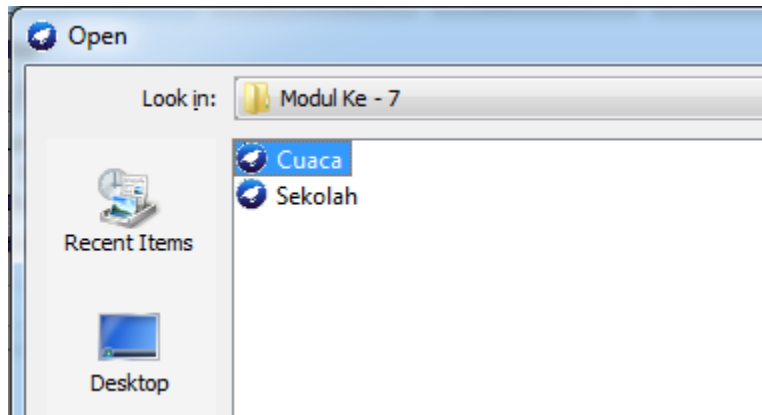
Nama : Hafidz AL Afaf

NIM : L200170134

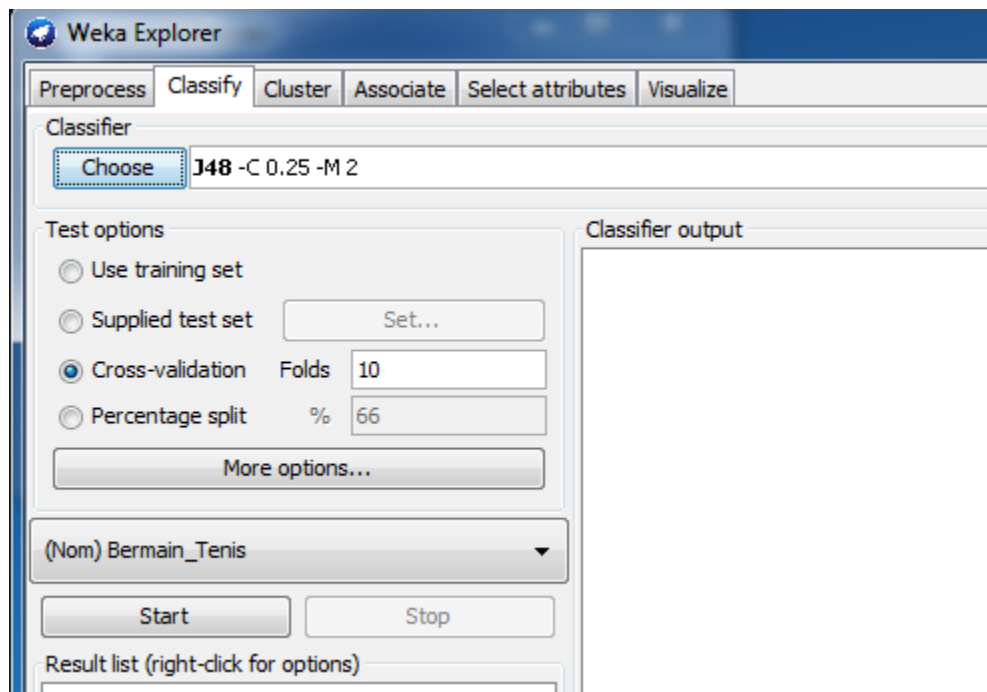
Modul 9

### LATIHAN

1. Buka file cuaca.arff di weka



2. Gunakan algoritma keputusan J48 dan pastikan pilih **Use training set**



### 3. Hasil ketika di klik tombol start

The screenshot shows the Weka Classifier window. The 'Test options' section on the left has 'Use training set' selected. The 'Classifier output' section on the right displays the following metrics:

Metric	Value
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

Below the metrics, the 'Detailed Accuracy By Class' table is shown:

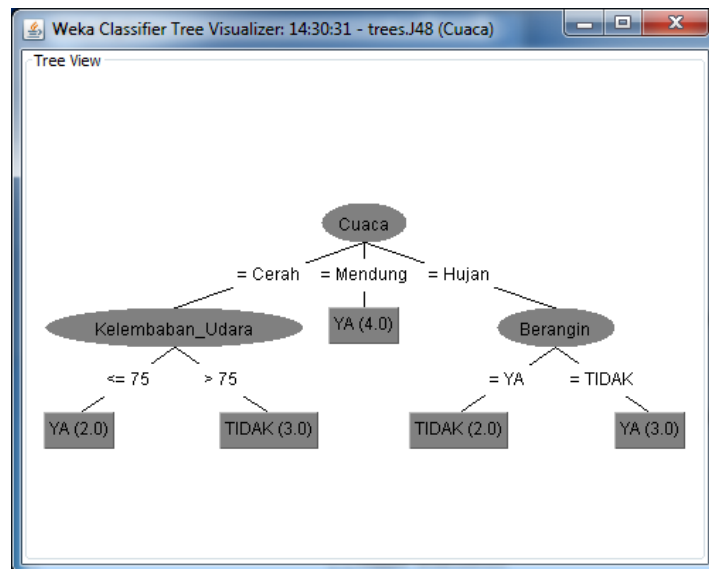
	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC
1.000	1.000	0.000	1.000	1.000	1.000	1.000
1.000	1.000	0.000	1.000	1.000	1.000	1.000
Weighted Avg.	1.000	0.000	1.000	1.000	1.000	1.000

The 'Confusion Matrix' section shows:

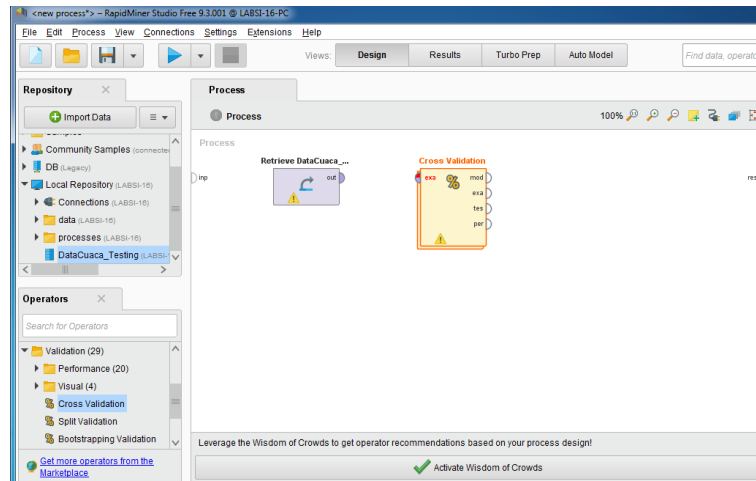
```
a b <-- classified as
9 0 | a = YA
0 5 | b = TIDAK
```

The 'Result list' on the left shows '14:30:31 - trees.J48' selected. The 'Status' at the bottom is 'OK'.

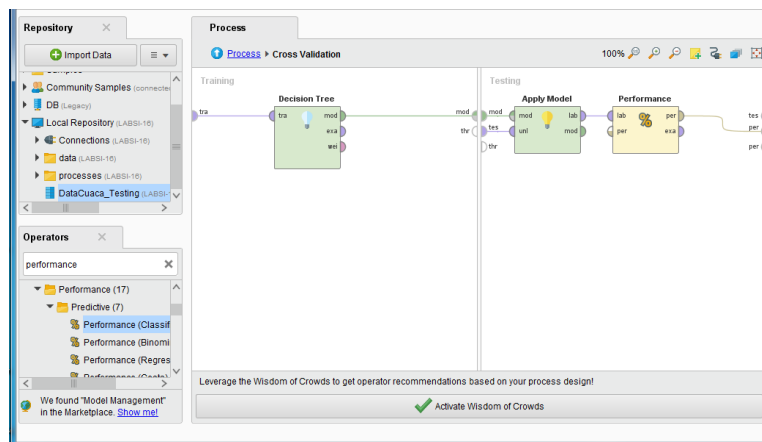
### 4. Hasil visualisasi dari pohon



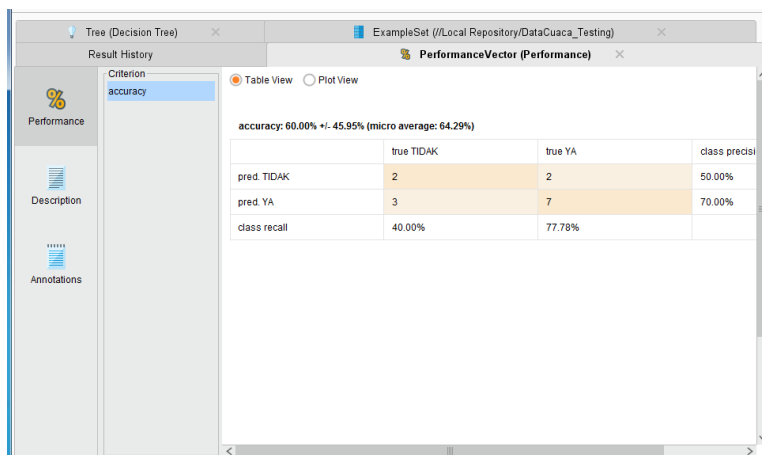
5. Sekarang buka di aplikasi Rapidminer, buka file Data cuaca training dan drag file tersebut dan Drag operator Cross Validation ke dalam view.



6. Double click pada cross validation. Masukkan operator Decision Tree pada area Training dan masukkan Apply Model dan performance ke area Testing.



7. Kembali dengan menekan tombol process yang ada di kiri atas, kemudian **RUN**



## 8. Tampilan decision tree

