

NAMA : AGATHA FEBIANANDA P

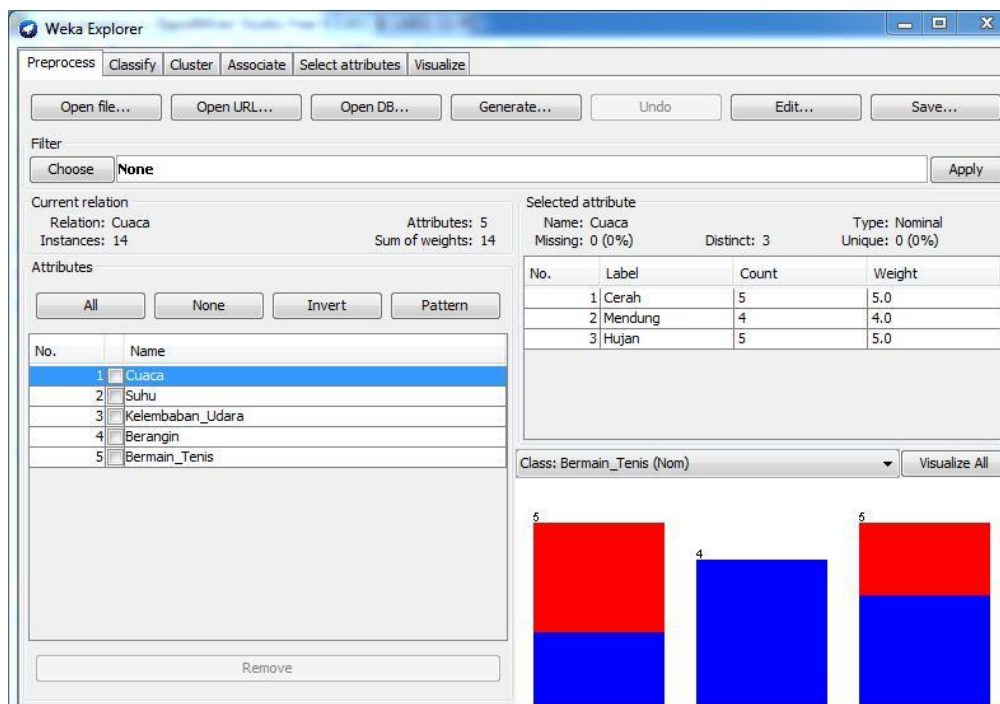
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KELAS : E

## MODUL 9

### PERCOBAAN

#### A. Pohon Keputusan Menggunakan WEKA 1. File cuaca.arff



## 2. Trees J48

The screenshot shows the Weka Explorer application window. The 'Classify' tab is selected. The classifier chosen is 'J48 -C 0.25 -M 2'. The test options are set to 'Use training set'. The result list shows '14:28:01 - trees.J48' as the selected result. The classifier output pane displays the following information:

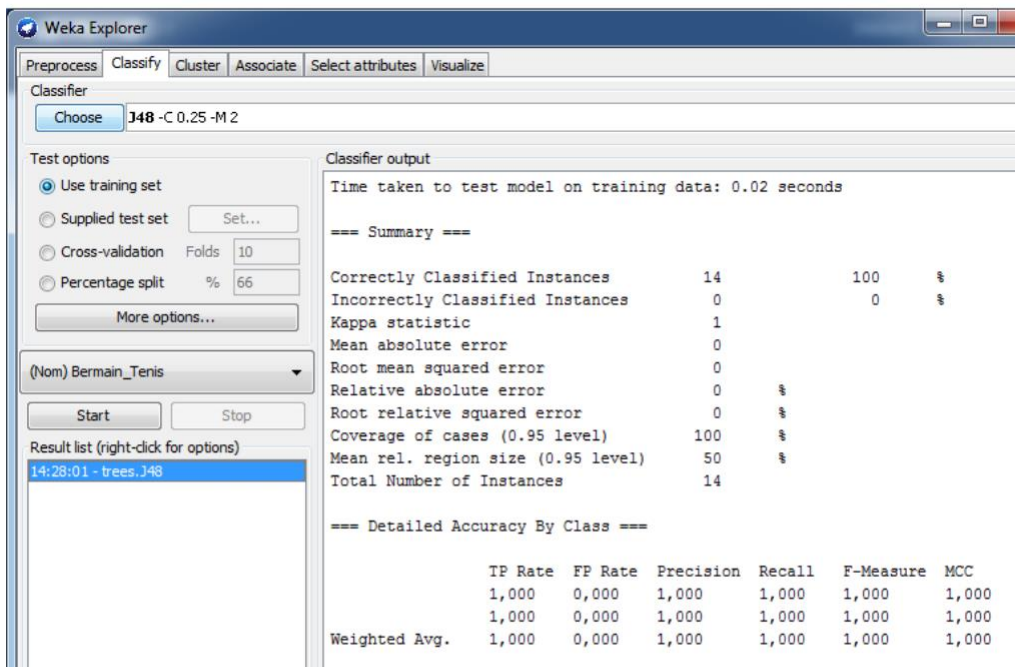
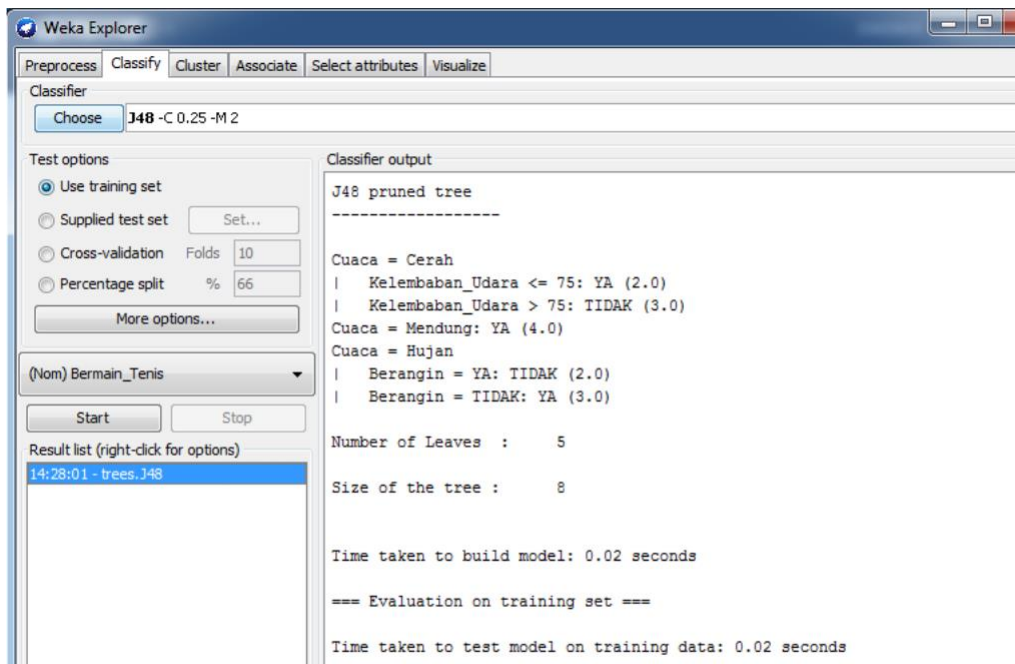
```
=== Run information ===

Scheme:      weka.classifiers.trees.J48 -C 0.25 -M 2
Relation:    Cuaca
Instances:   14
Attributes:  5
              Cuaca
              Suhu
              Kelembaban_Udara
              Berangin
              Bermain_Tenis
Test mode:   evaluate on training data

=== Classifier model (full training set) ===

J48 pruned tree
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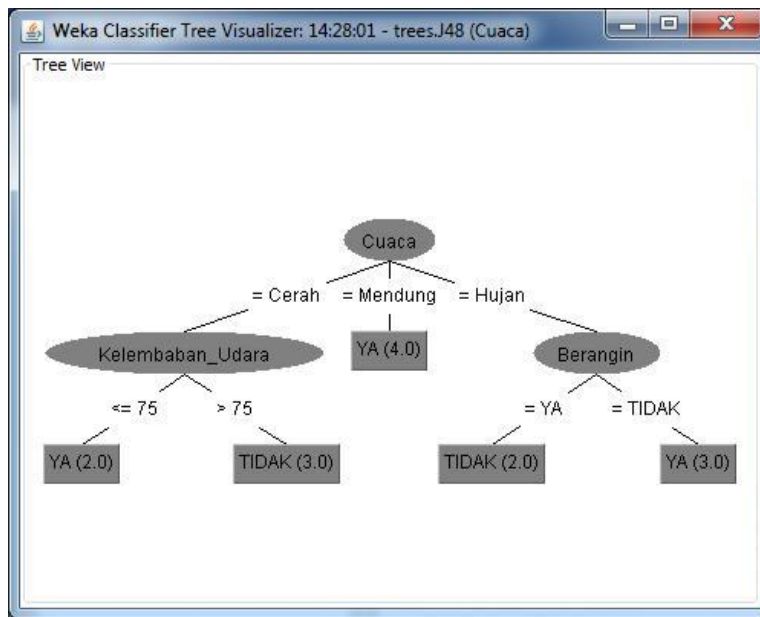
Cuaca = Cerah
|  Kelembaban_Udara <= 75: YA (2.0)
|  Kelembaban_Udara > 75: TIDAK (3.0)
Cuaca = Mendung: YA (4.0)
Cuaca = Hujan
```



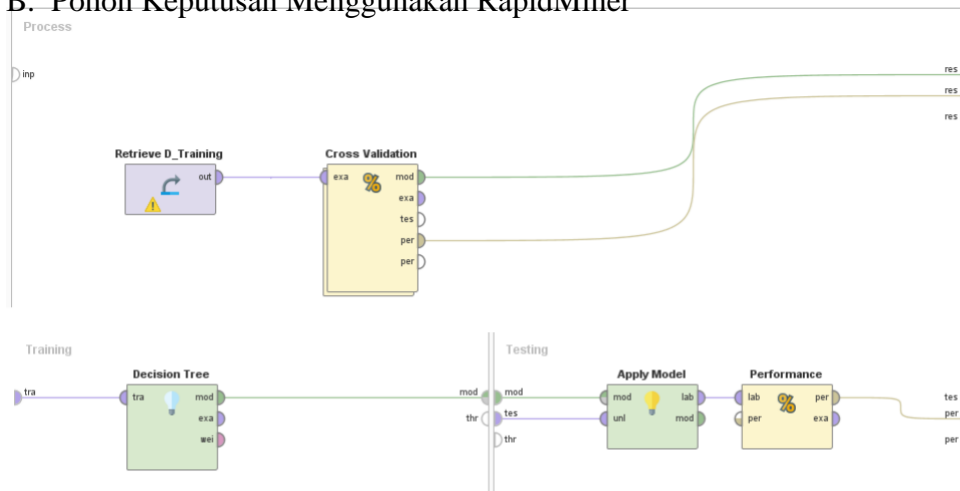
=== Confusion Matrix ===

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

### 3. Tree View



### B. Pohon Keputusan Menggunakan RapidMiner



Parameters	
Decision Tree	
criterion	information_gain
maximal depth	10
<input checked="" type="checkbox"/> apply pruning	
confidence	0.1
<input checked="" type="checkbox"/> apply prepruning	
minimal gain	0.01

Parameters	
Decision Tree	
confidence	0.1
<input checked="" type="checkbox"/> apply prepruning	
minimal gain	0.01
minimal leaf size	2
minimal size for split	4
number of prepruning alternati...	3

PerformanceVector (Performance)

Tree (Decision Tree)

ExampleSet (//Local Repository/D\_Training)

ion

acy

Table View

Plot View

accuracy: 60.00% +/- 45.95% (micro average: 64.29%)

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

formance)

Tree (Decision Tree)

ExampleSet (//Lo

