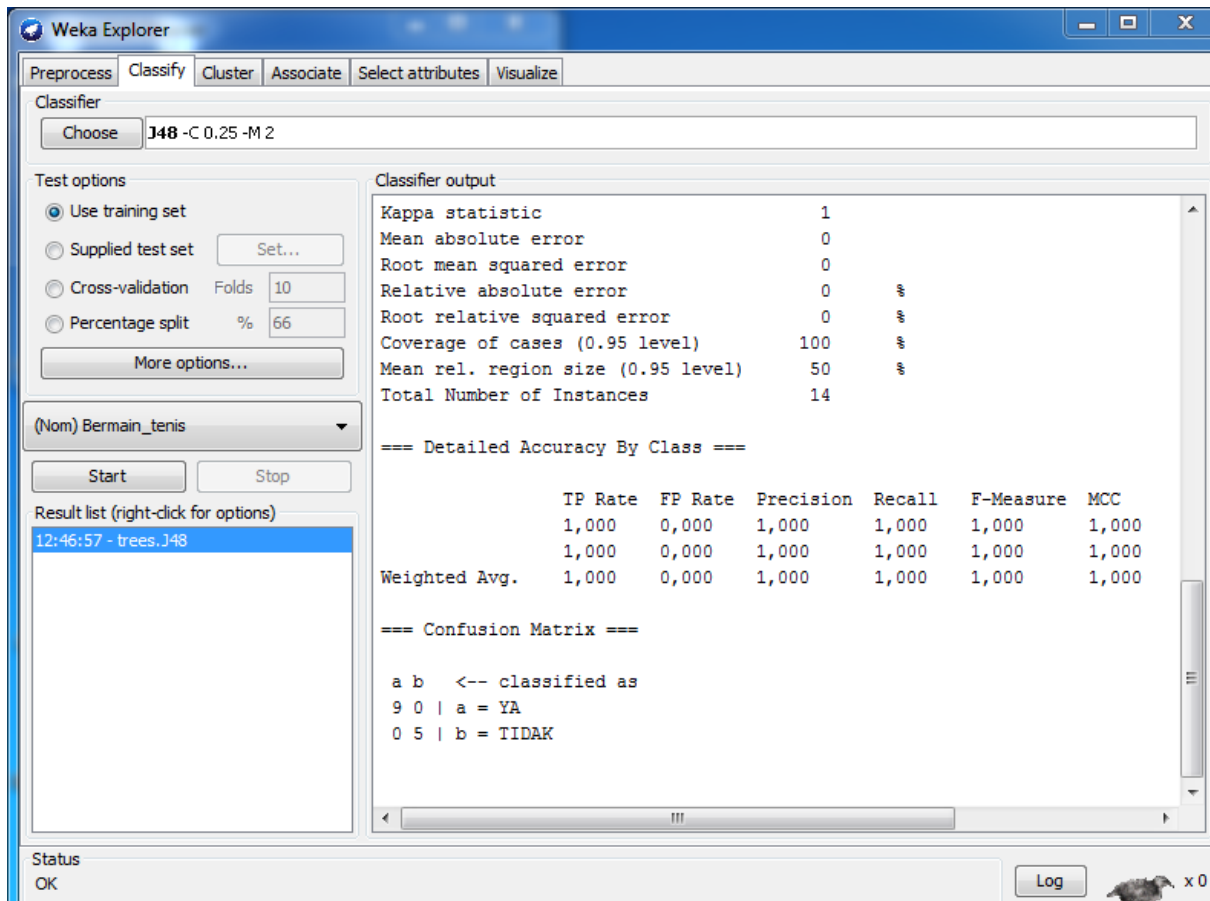


NAMA : NOVI TRISTANTI

NIM : L200170167

KELAS : F



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 dataset is '(Nom) Bermain\_tenis'. The results list shows a single entry: '12:46:57 - trees.J48'. The classifier output is displayed in the main pane, showing various performance metrics and a confusion matrix.

**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...

**Classifier output**

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 ===

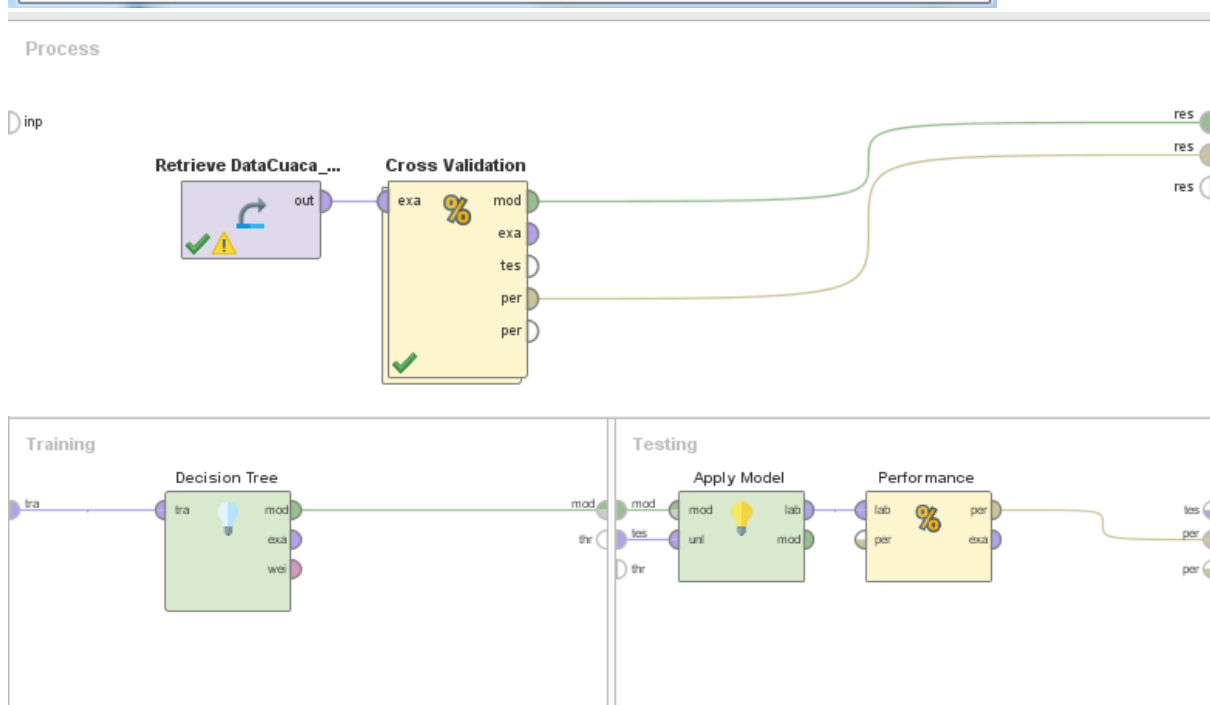
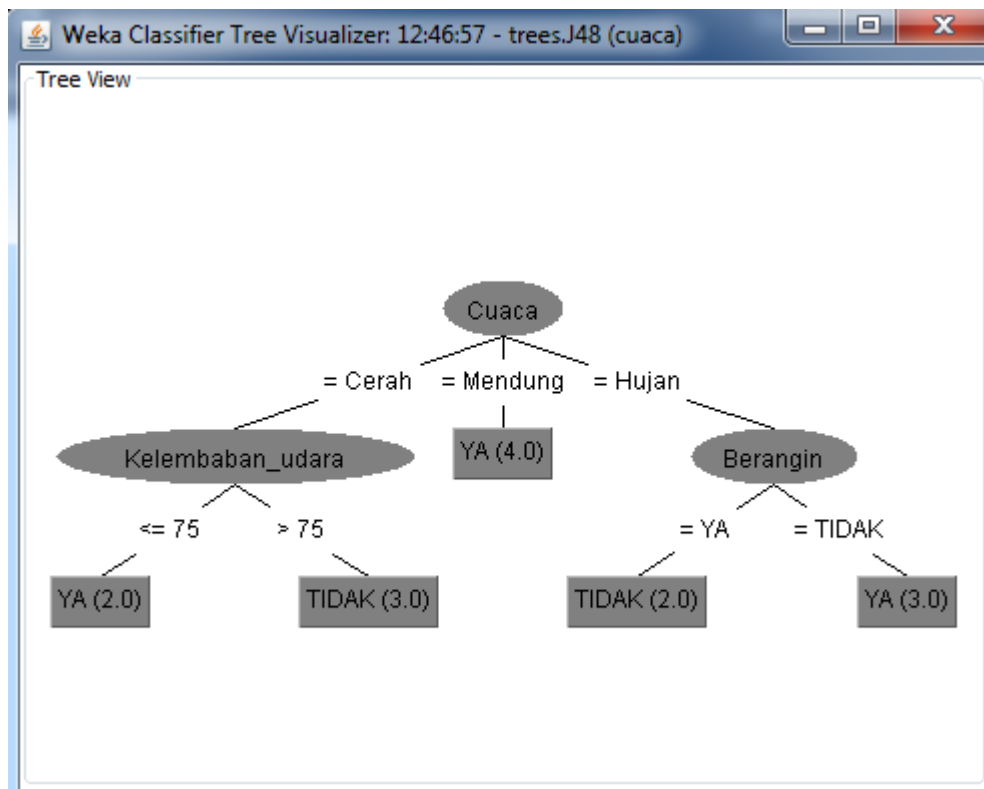
	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC
1,000	1,000	0,000	1,000	1,000	1,000	1,000
1,000	1,000	0,000	1,000	1,000	1,000	1,000
Weighted Avg.	1,000	0,000	1,000	1,000	1,000	1,000

=== Confusion Matrix ===

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

**Status**  
OK

Log x 0



Parameters

Decision Tree

criterion
information\_gain

maximal depth
10

☒ apply pruning

confidence
0.1

☒ apply prepruning

minimal gain
0.01

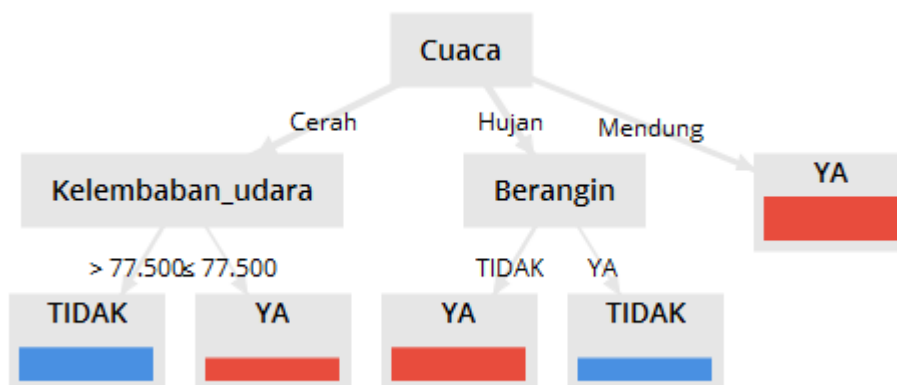
minimal leaf size
2

minimal size for split
4

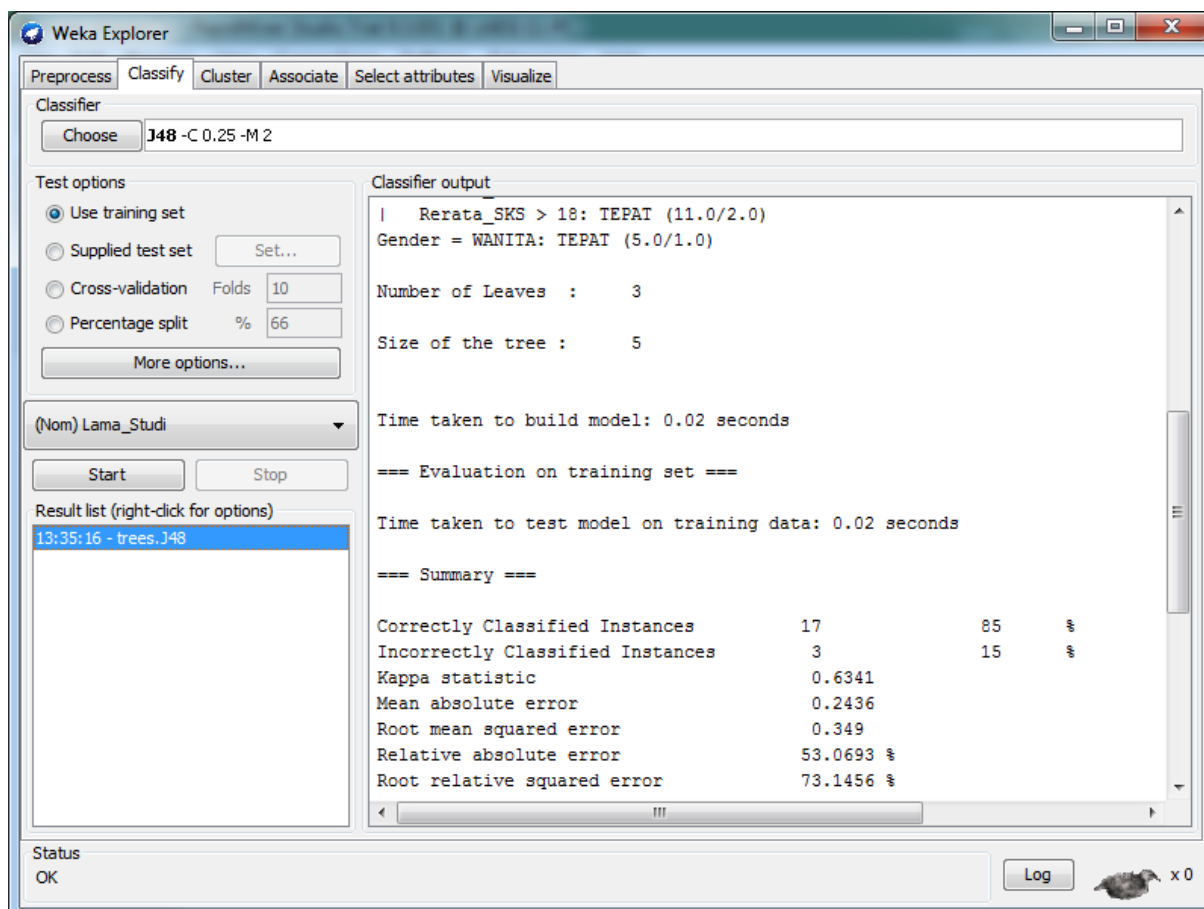
number of prepruning alte...
3

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%	



## TUGAS



**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) Lama\_Studi

Start Stop

Result list (right-click for options):

- 13:25:39 - trees.J48

Classifier output:

Kappa statistic: 0.6341  
Mean absolute error: 0.2436  
Root mean squared error: 0.349  
Relative absolute error: 53.0693 %  
Root relative squared error: 73.1456 %  
Coverage of cases (0.95 level): 100 %  
Mean rel. region size (0.95 level): 90 %  
Total Number of Instances: 20

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC
0	0,571	0,000	1,000	0,571	0,727	0,681
1	1,000	0,429	0,813	1,000	0,897	0,681
Weighted Avg.	0,850	0,279	0,878	0,850	0,837	0,681


=== Confusion Matrix ===

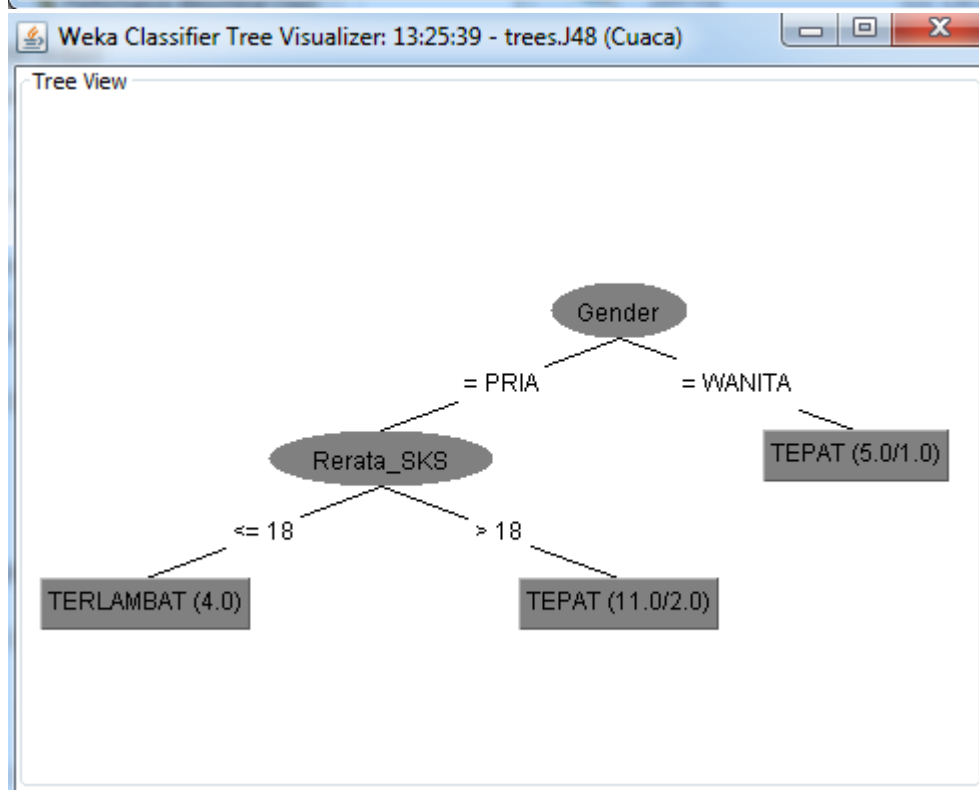
```

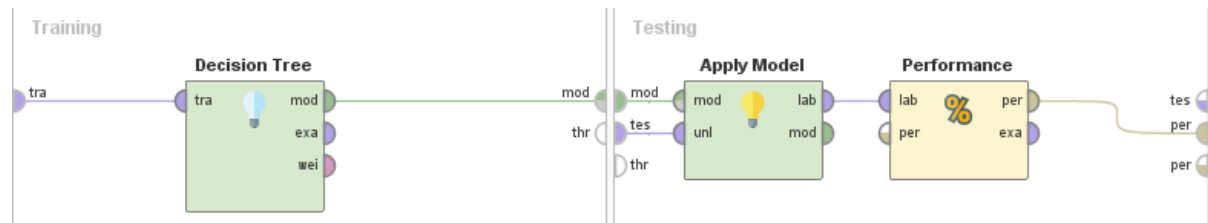
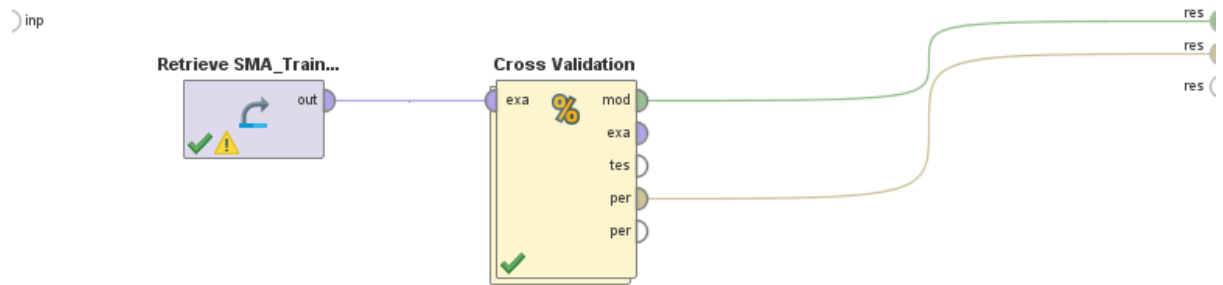
a b  <-- classified as
4  3 | a = TERLAMBAT
0 13 | b = TEPAT

```

Status: OK

Log  x 0





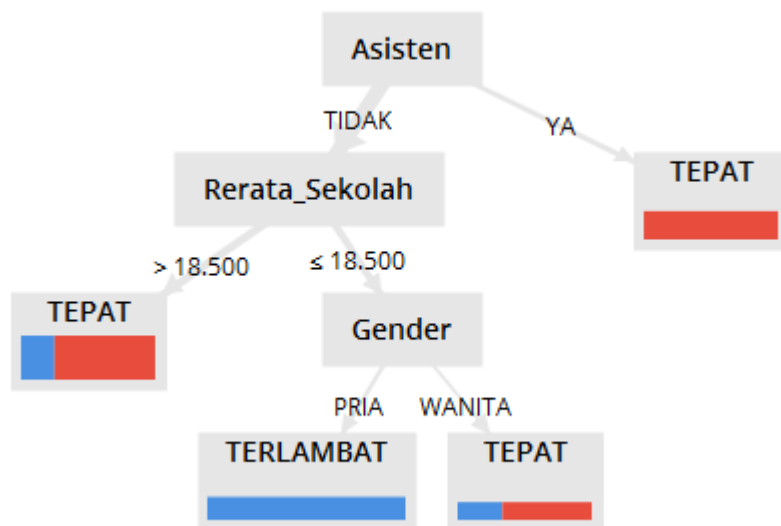
### Parameters

#### 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	
minimal leaf size	2	
minimal size for split	4	
number of prepruning alte...	3	

accuracy: 60.00% +/- 21.08% (micro average: 60.00%)

	true TERLAMBAT	true TEPAT	class precision
pred. TERLAMBAT	4	5	44.44%
pred. TEPAT	3	8	72.73%
class recall	57.14%	61.54%	



Klasifikasi yang terbentuk :

- a) Seseorang akan tepat jika
  - i. Gender = wanita
  - ii. Gender = pria, rerata\_sks > 18
- b) Seseorang akan terlambat jika
  - i. Gender = pria, rerata\_sks ≤ 18