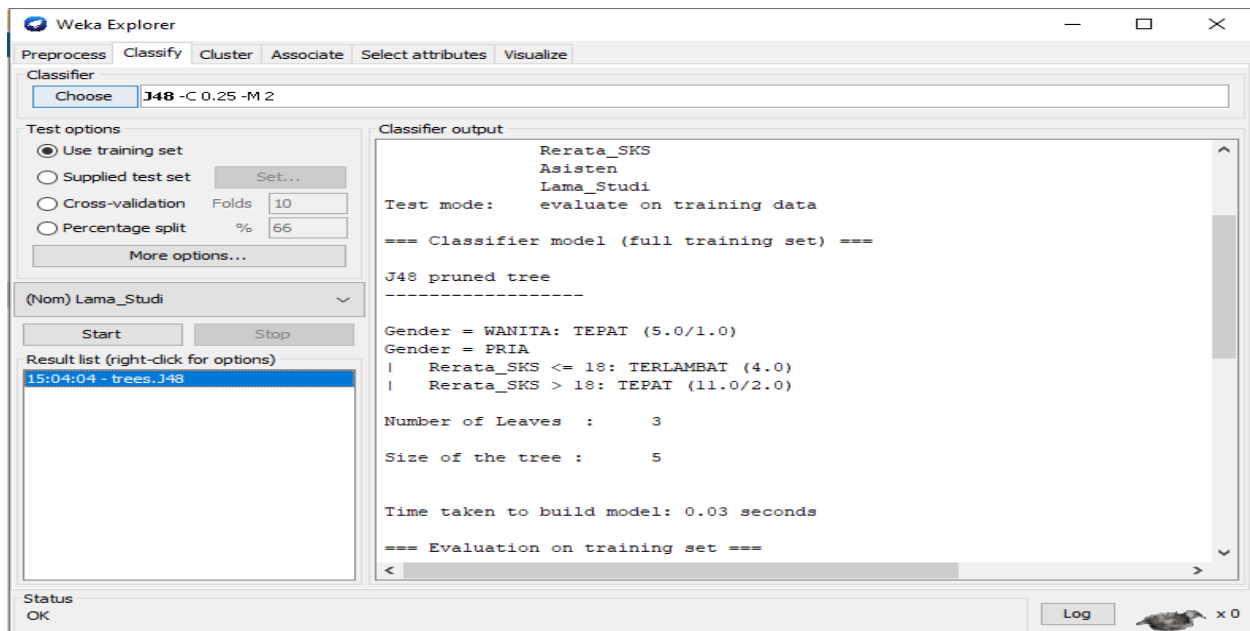
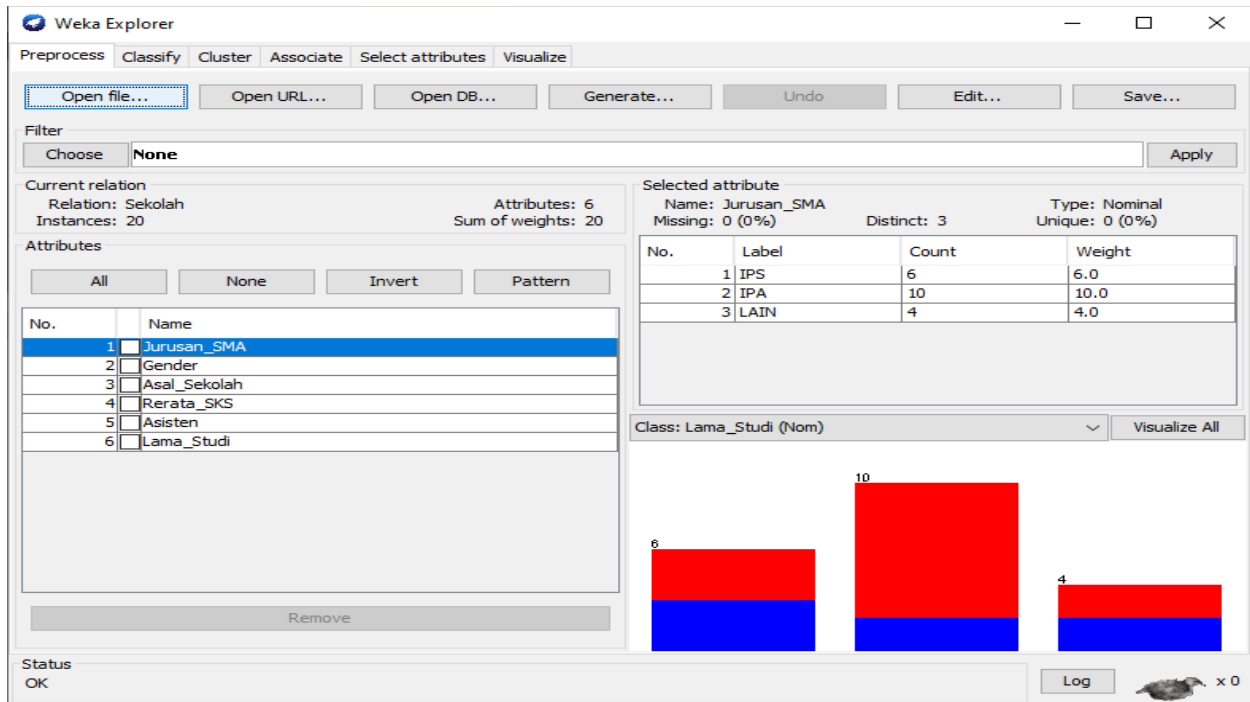


NAMA : DITA DENITA PRAMESTI

NIM : L200170139

MODUL : 09

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

☐ Cross-validation

☐ Percentage split

Set...

Folds 10

% 66

More options...

(Nom) Lama_Studi

Start

Stop

Result list (right-click for options)

15:04:04 - trees.J48

Classifier output

Correctly Classified Instances1785%

Incorrectly Classified Instances315%

Kappa statistic0.6341

Mean absolute error0.2436

Root mean squared error0.349

Relative absolute error53.0693 %

Root relative squared error73.1456 %

Coverage of cases (0.95 level)100%

Mean rel. region size (0.95 level)90%

Total Number of Instances20

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC
	0.571	0.000	1.000	0.571	0.727	0.681
	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

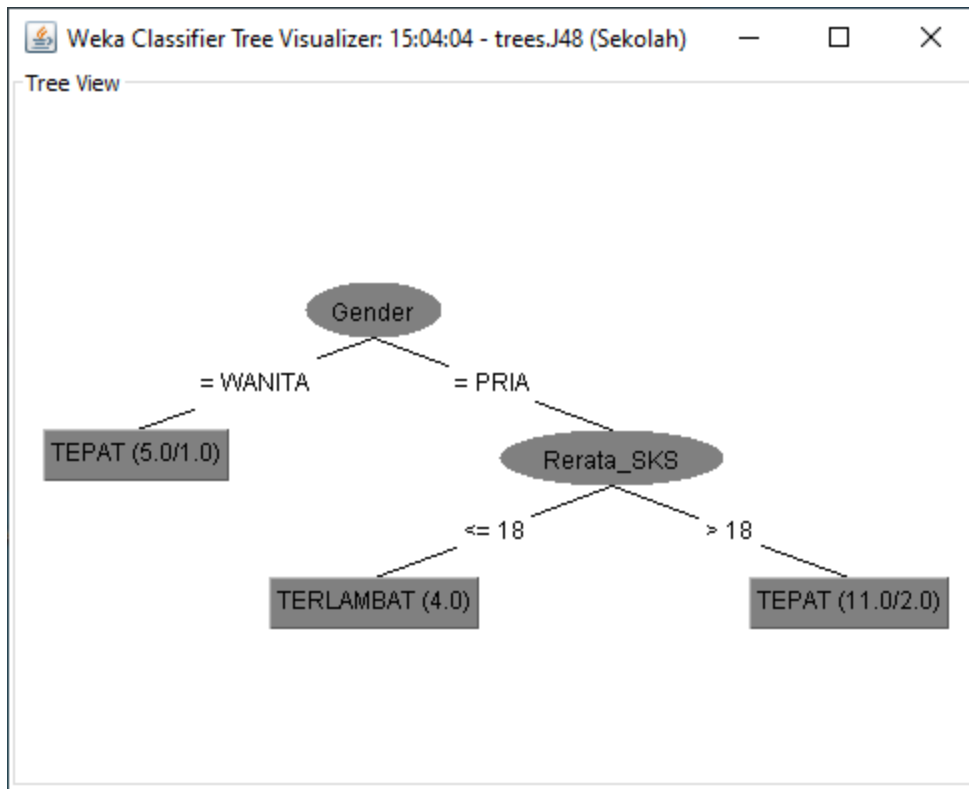
0 13 | b = TEPAT

Status

OK

Log

x 0



< new process* - RapidMiner Studio Free 9.3.001 @ DESKTOP-7UM84PR

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators...etc All Studio

Repository

- Import Data
- Tabel_NilaiUjian30SISV
- testing (Person - v1, 10/17)
- testingmajid (Person - v1)
- training (Person - v1, 10/1)
- trainingmajid (Person - v1)
- trainingmajid2 (Person - v1)
- trainingmajid3 (Person - v1)
- tugas_training (Person - v1)

Operators

cross va

Validation (1)

- Cross Validation

No results were found.

Process

Process

100%

Retrieve tugas_train...

Cross Validation

res

res

res

Parameters

Process

- logverbosity: init
- logfile:
- resultfile:
- random seed: 2001
- send mail: never
- encoding: SYSTEM

Hide advanced parameters

Change compatibility (9.3.001)

Help

Process

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

Activate Wisdom of Crowds

<new process> - RapidMiner Studio Free 9.3.001 @ DESKTOP-7UM84PR

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

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+ Import Data

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- trainingmajid (Person - v1)
- trainingmajid2 (Person - v1)
- trainingmajid3 (Person - v1)
- tugas_training (Person - v1)

Operators

perform

- Performance (Classification)
- Performance (Binary)
- Performance (Regression)
- Performance (Classification)
- Performance (Regression)

We found "Model Management" and "Model Visualization Extension" in the Marketplace. [Show me!](#)

Process

Process > Cross Validation

100%

Training: tra → mod → exa

Testing: tes → mod → lab → per → exa

Decision Tree

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 alternat...: 3

[Hide advanced parameters](#)

Help

Decision Tree

Leverage the Wisdom of Crowds to get operator recommendations based on your process design!

☒ Activate Wisdom of Crowds

<new process> - RapidMiner Studio Free 9.3.001 @ DESKTOP-7UM84PR

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

ExampleSet (/Local Repository/DataCuaca_Testing)

ExampleSet (/Local Repository/DataCuaca_Training)

ExampleSet (/Local Repository/tugas_training)

Result History

PerformanceVector (Performance)

Table View Plot View

Criterion: accuracy

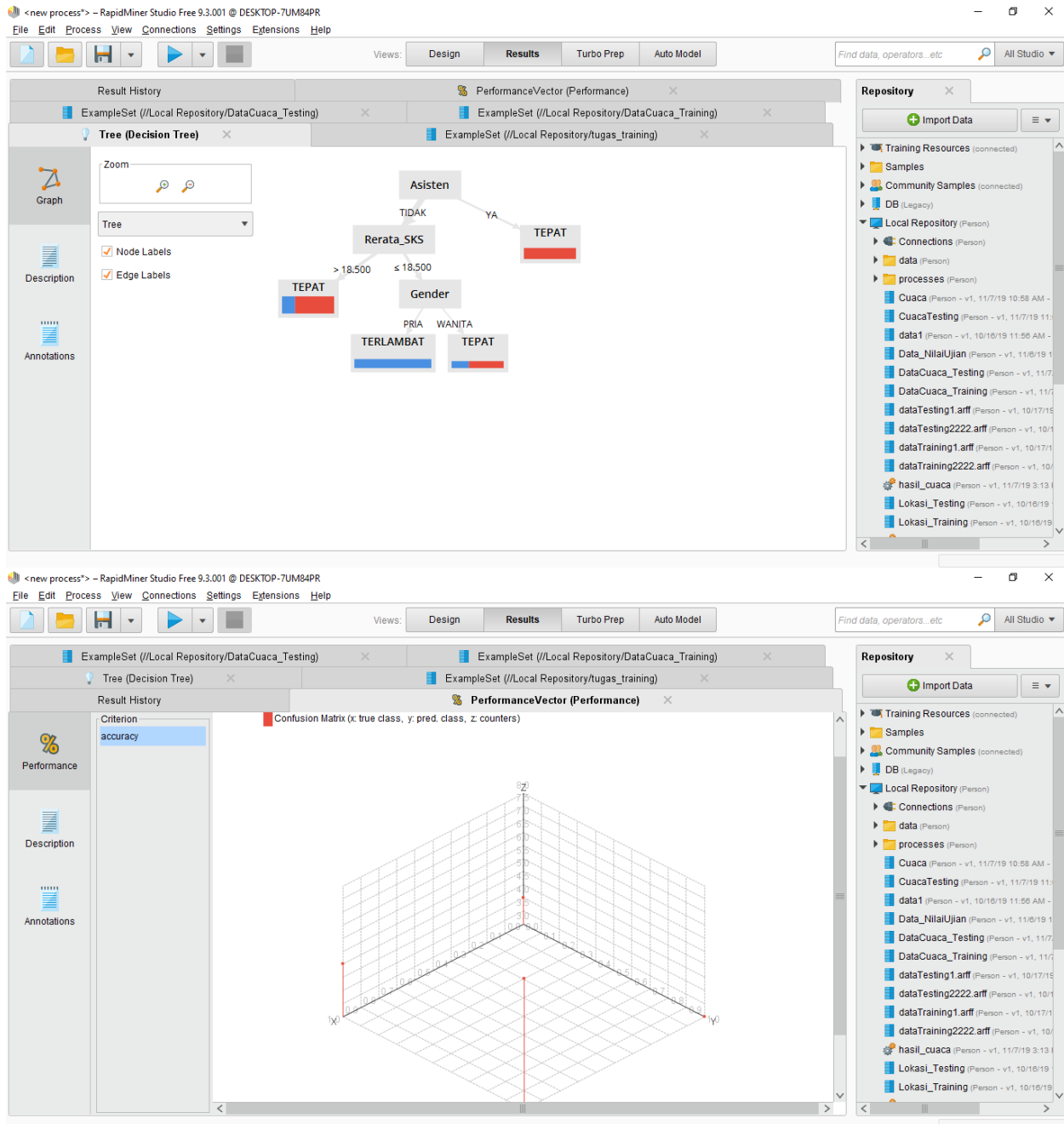
accuracy: 60.00% +/- 21.08% (micro average: 60.00%)

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

Repository

+ Import Data

- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (Person)
 - connections (Person)
 - data (Person)
 - processes (Person)
 - Cuaca (Person - v1, 11/7/19 10:58 AM -)
 - CuacaTesting (Person - v1, 11/7/19 11:56 AM -)
 - data1 (Person - v1, 10/16/19 11:56 AM -)
 - Data_NilaiUjian (Person - v1, 11/6/19 11:56 AM -)
 - DataCuaca_Testing (Person - v1, 11/7/19 11:56 AM -)
 - DataCuaca_Training (Person - v1, 11/7/19 11:56 AM -)
 - dataTesting1.arff (Person - v1, 10/17/19 11:56 AM -)
 - dataTesting2222.arff (Person - v1, 10/17/19 11:56 AM -)
 - dataTraining1.arff (Person - v1, 10/17/19 11:56 AM -)
 - dataTraining2222.arff (Person - v1, 10/17/19 11:56 AM -)
 - hasil_cuaca (Person - v1, 11/7/19 3:13 PM -)
 - Lokasi_Testing (Person - v1, 10/16/19 11:56 AM -)
 - Lokasi_Training (Person - v1, 10/16/19 11:56 AM -)

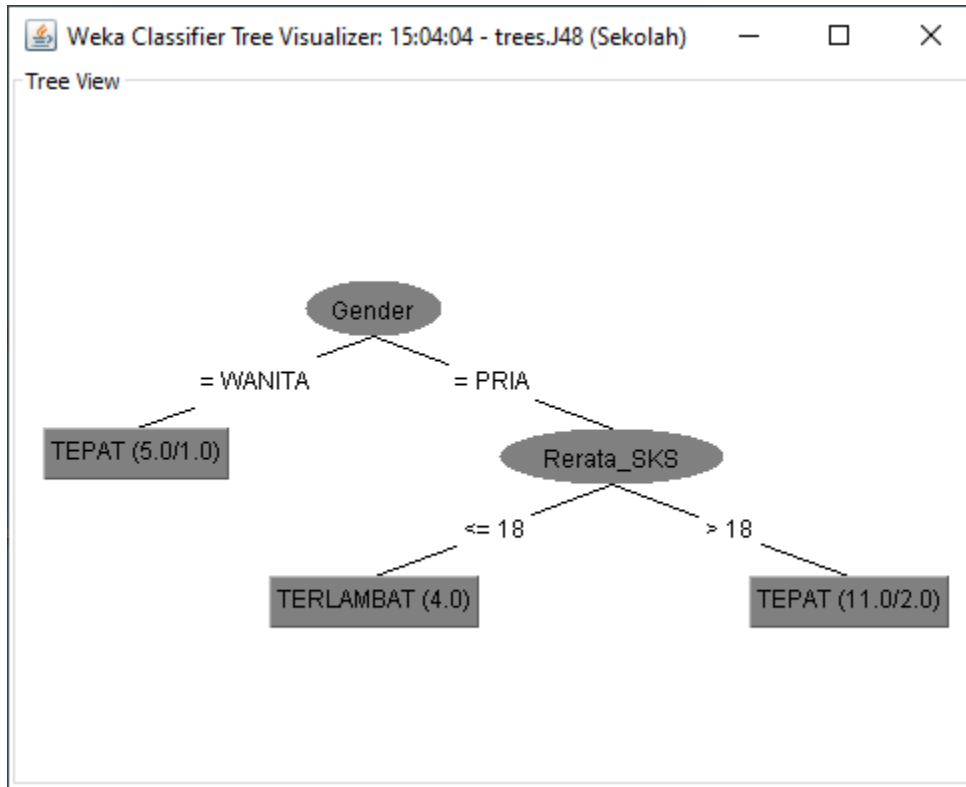


1.

CUACA	SUHU	KELEMBABAN UDARA	BERANGIN	BERMAIN TENIS
Cerah	75	65	TIDAK	YA
Cerah	80	68	YA	YA
Cerah	83	87	YA	TIDAK
Mendung	70	96	TIDAK	YA
Mendung	68	81	TIDAK	YA
Hujan	65	75	TIDAK	YA

hujan	64	85	YA	TIDAK
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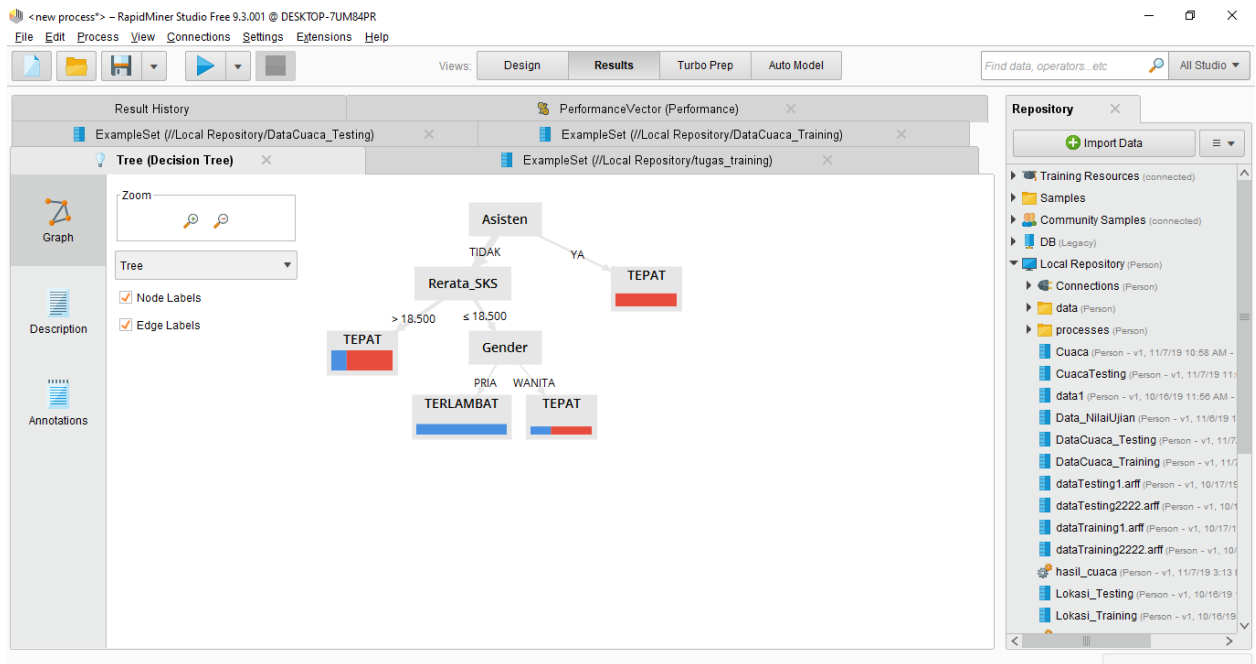
2. a. pohon keputusan



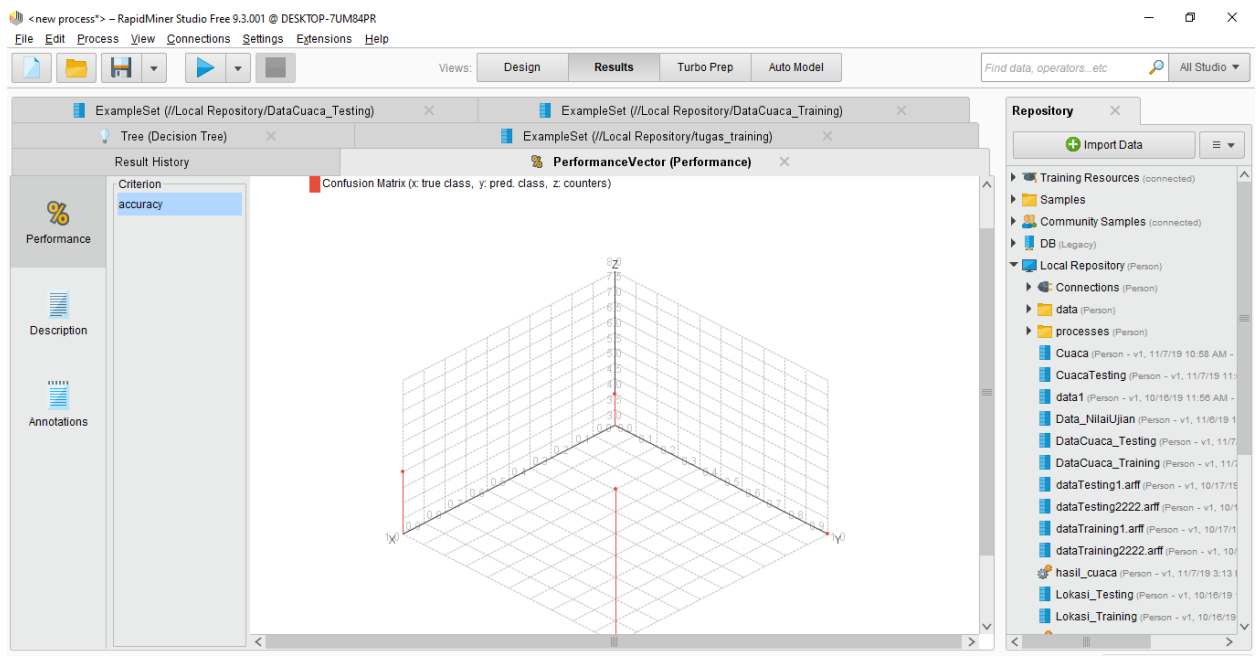
b. nilai parameter :

- Jumlah simpul daun pada pohon keputusan = 3
- jumlah simpul keseluruhan pada pohon keputusan = 5
- waktu yang dibutuhkan untuk proses pelatihan = 0 detik
- tingkat ketepatan klasifikasi = 85%
- tingkat ketidaktepatan klasifikasi = 15%

3. Pohon keputusan



Plot View



4. Klasifikasi yang terbentuk :

- a. Seorang akan TEPAT(Lama_Studi) jika kondisi :
 - Gender = WANITA
 - Gender = PRIA, rerata_sks>18(nilai atribut lain diabaikan)
- b. Seorang akan TERLAMBAT(Lama_Studi) jika kondisi :
 - Gender = PRIA, rerata_sks ≤ 18(nilai atribut lain diabaikan)

