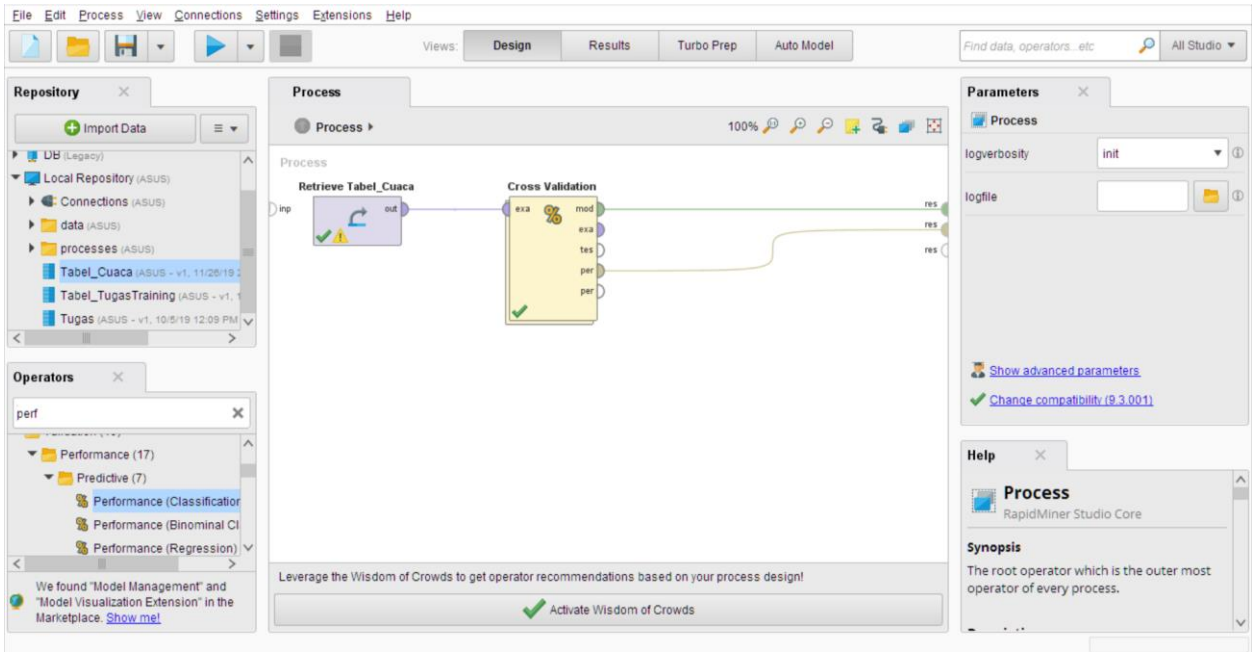
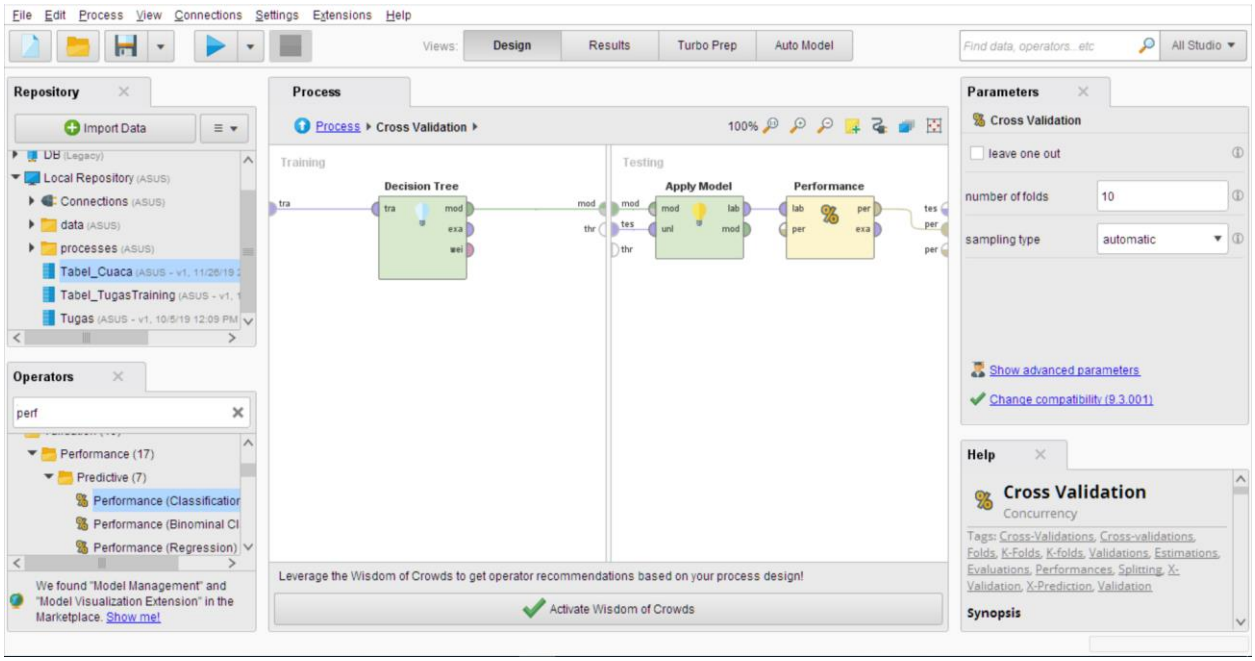
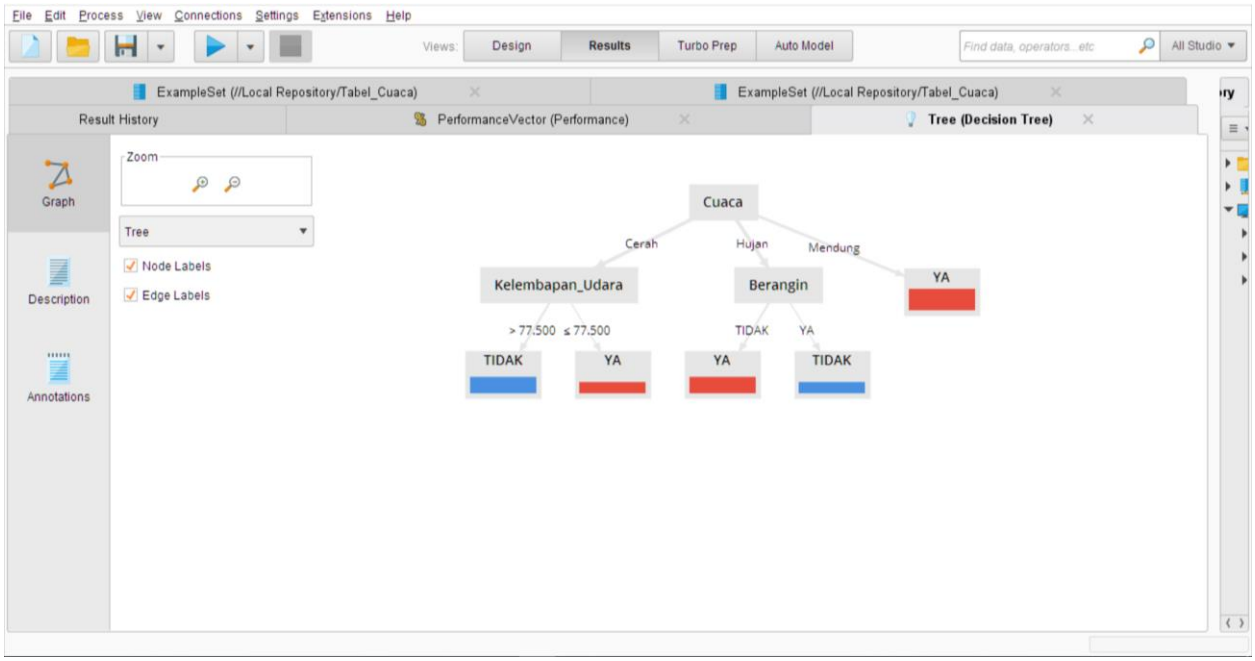
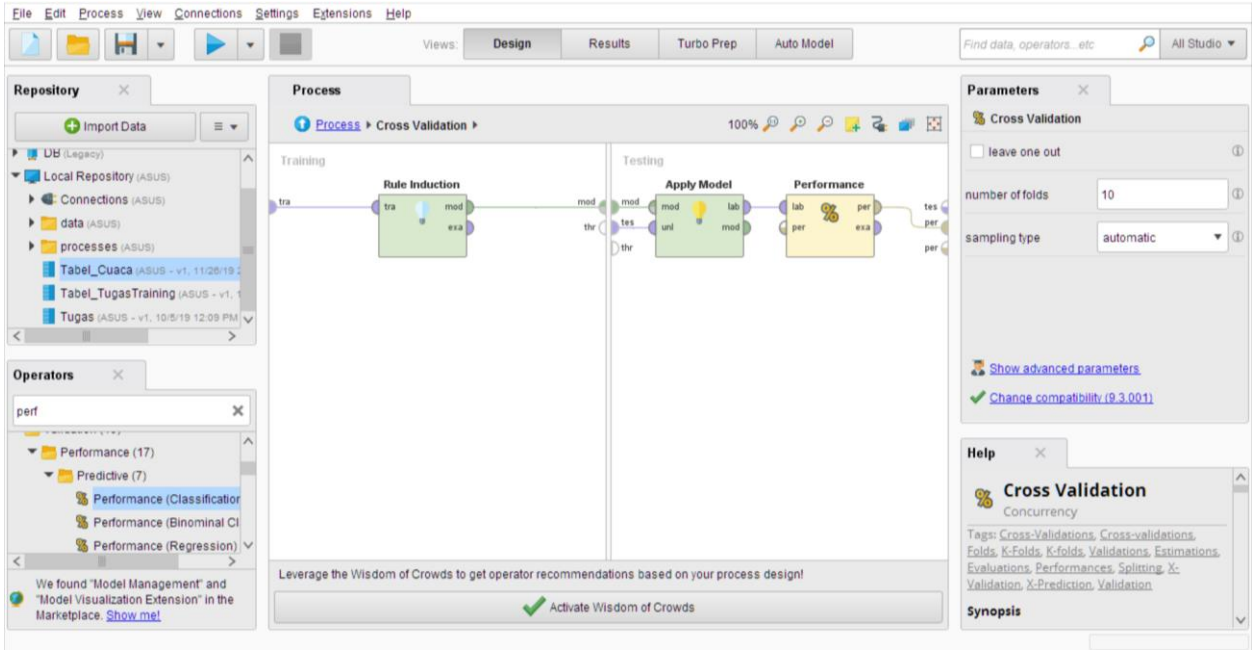
Gilang Anggi Wisnu Brata	L200170011/A	Modul 11

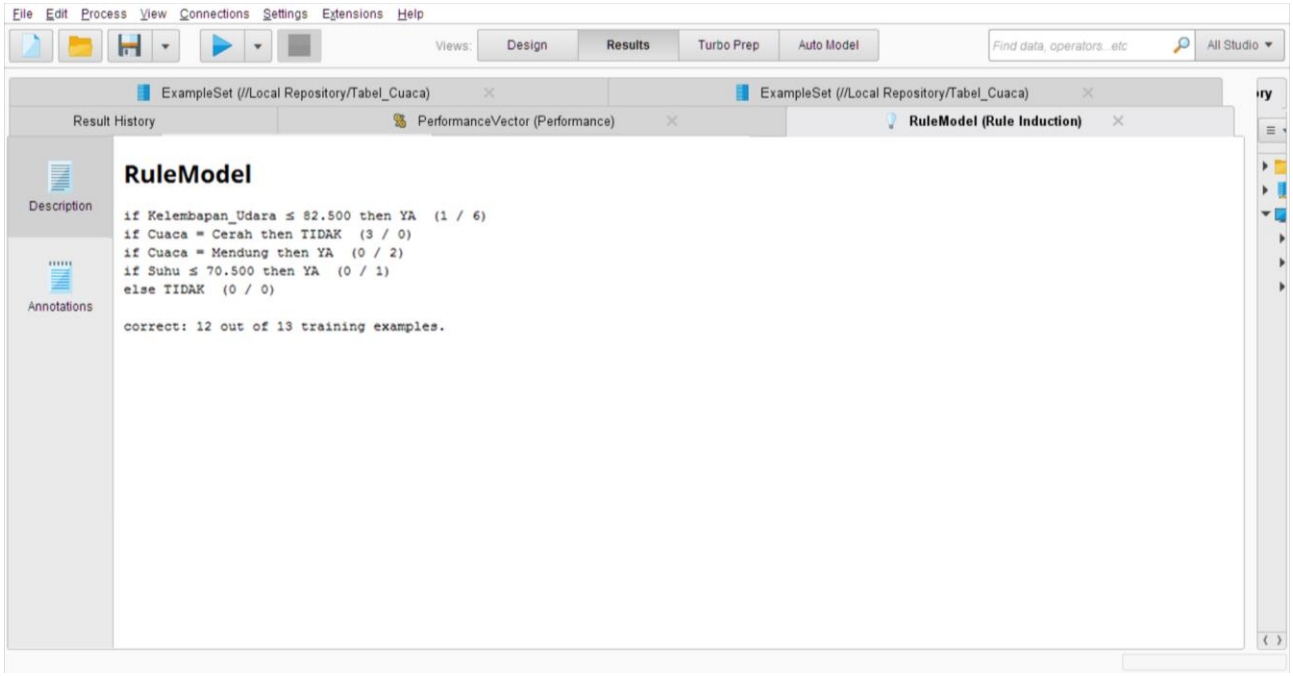
Praktikum 11.4.1

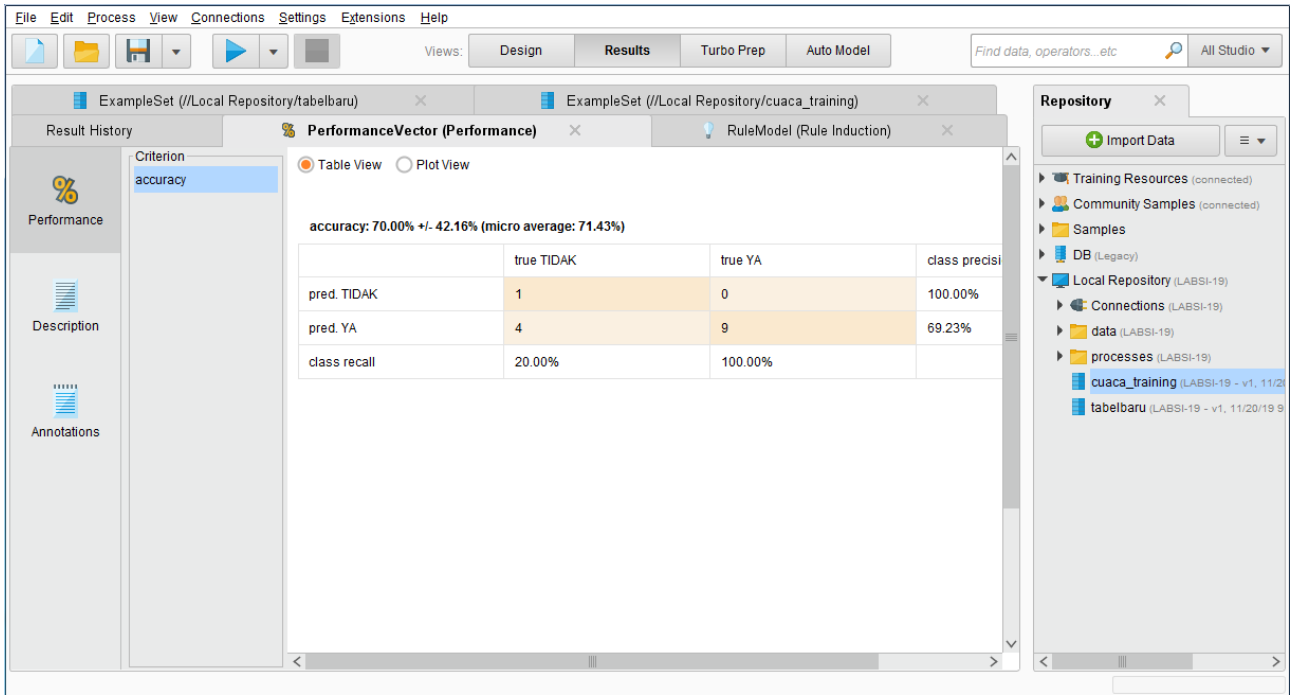





File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
ExampleSet (//Local Repository/Tabel_Cuaca)
ExampleSet (//Local Repository/Tabel_Cuaca)
Result History
PerformanceVector (Performance)
Tree (Decision Tree)
Graph
Description
Annotations
Zoom
Tree
Node Labels
Edge Labels
Cuaca
Cerah
Hujan
Mendung
Kelembapan_Udara
Berangin
YA
> 77.500
≤ 77.500
TIDAK
YA
TIDAK
YA
TIDAK
YA

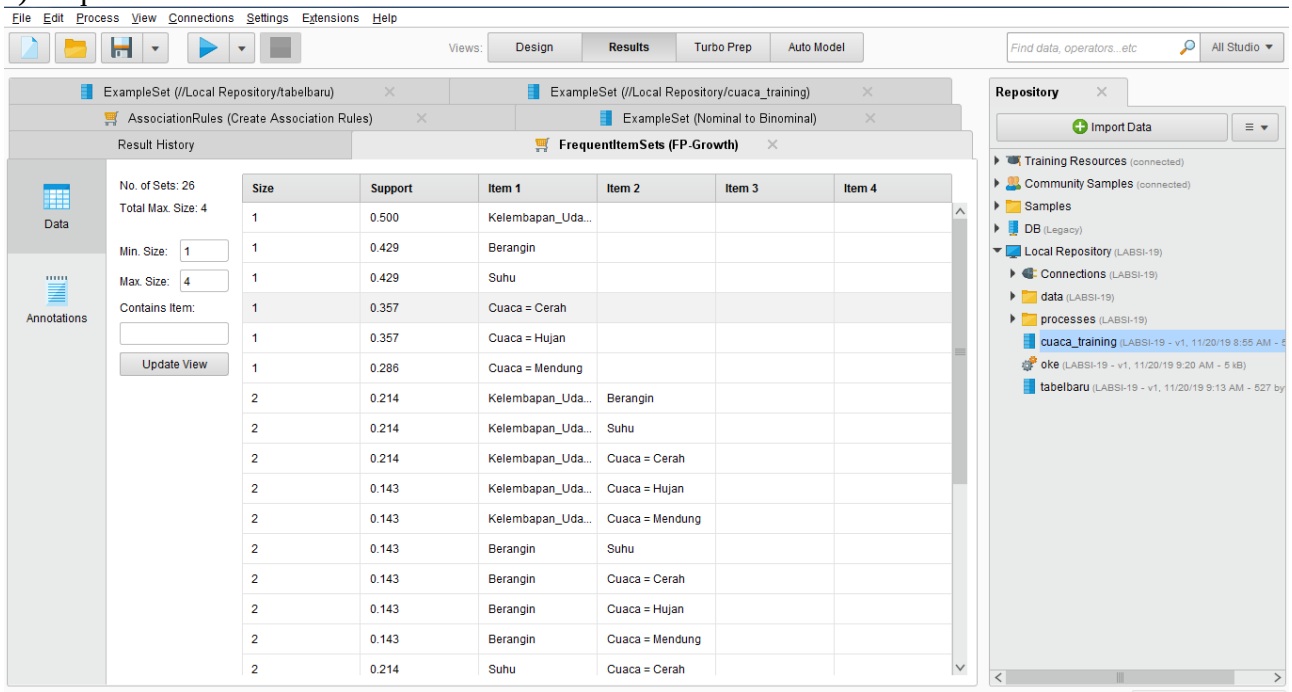

File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Repository
Import Data
DB (Legacy)
Local Repository (ASUS)
Connections (ASUS)
data (ASUS)
processes (ASUS)
Tabel_Cuaca (ASUS - v1, 11/26/19
Tabel_TugasTraining (ASUS - v1,
Tugas (ASUS - v1, 10/5/19 12:09 PM
Operators
perf
Performance (17)
Predictive (7)
Performance (Classificatior
Performance (Binominal Cl
Performance (Regression)
We found "Model Management" and "Model Visualization Extension" in the Marketplace. Show me!
Process
Process ▸ Cross Validation ▸
100%
Training
Testing
Rule Induction
Apply Model
Performance
Leverage the Wisdom of Crowds to get operator recommendations based on your process design!
Activate Wisdom of Crowds
Parameters
Cross Validation
leave one out
number of folds
10
sampling type
automatic
Show advanced parameters
Change compatibility (9.3.001)
Help
Cross Validation
Concurrency
Tags: Cross-Validations, Cross-validations, Folds, K-Folds, K-folds, Validations, Estimations, Evaluations, Performances, Splitting, X-Validation, X-Prediction, Validation
Synopsis

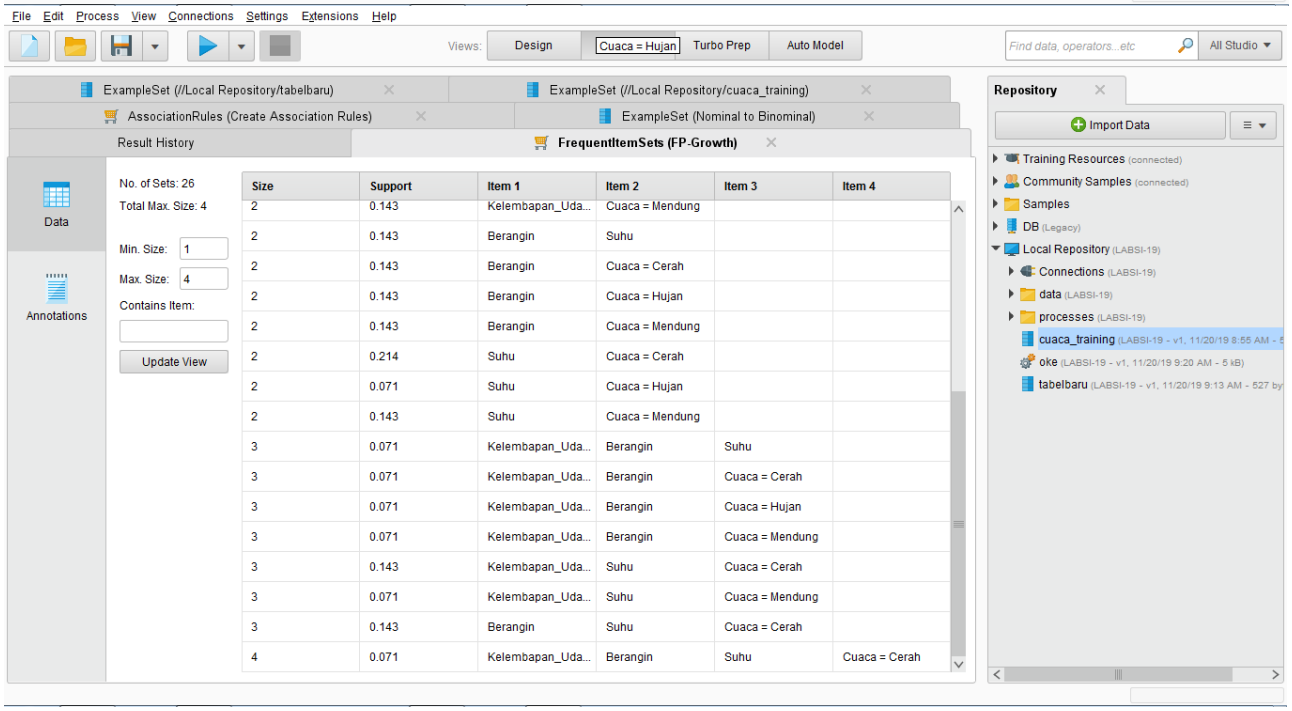

File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
ExampleSet (//Local Repository/Tabel_Cuaca)
ExampleSet (//Local Repository/Tabel_Cuaca)
Result History
PerformanceVector (Performance)
RuleModel (Rule Induction)
Description
Annotations
RuleModel
if Kelembapan_Udara ≤ 82.500 then YA (1 / 6)
if Cuaca = Cerah then TIDAK (3 / 0)
if Cuaca = Mendung then YA (0 / 2)
if Suhu ≤ 70.500 then YA (0 / 1)
else TIDAK (0 / 0)
correct: 12 out of 13 training examples.


File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
ExampleSet (//Local Repository/tabelbaru)
ExampleSet (//Local Repository/cuaca_training)
Result History
PerformanceVector (Performance)
RuleModel (Rule Induction)
Performance
Description
Annotations
Criterion
accuracy
Table View
Plot View
accuracy: 70.00% +/- 42.16% (micro average: 71.43%)
true TIDAK
true YA
class precisi
pred. TIDAK
1
0
100.00%
pred. YA
4
9
69.23%
class recall
20.00%
100.00%
Repository
Import Data
Training Resources (connected)
Community Samples (connected)
Samples
DB (Legacy)
Local Repository (LABSI-19)
Connections (LABSI-19)
data (LABSI-19)
processes (LABSI-19)
cuaca_training (LABSI-19 - v1, 11/2
tabelbaru (LABSI-19 - v1, 11/20/19 9

Praktikum 11.4.2

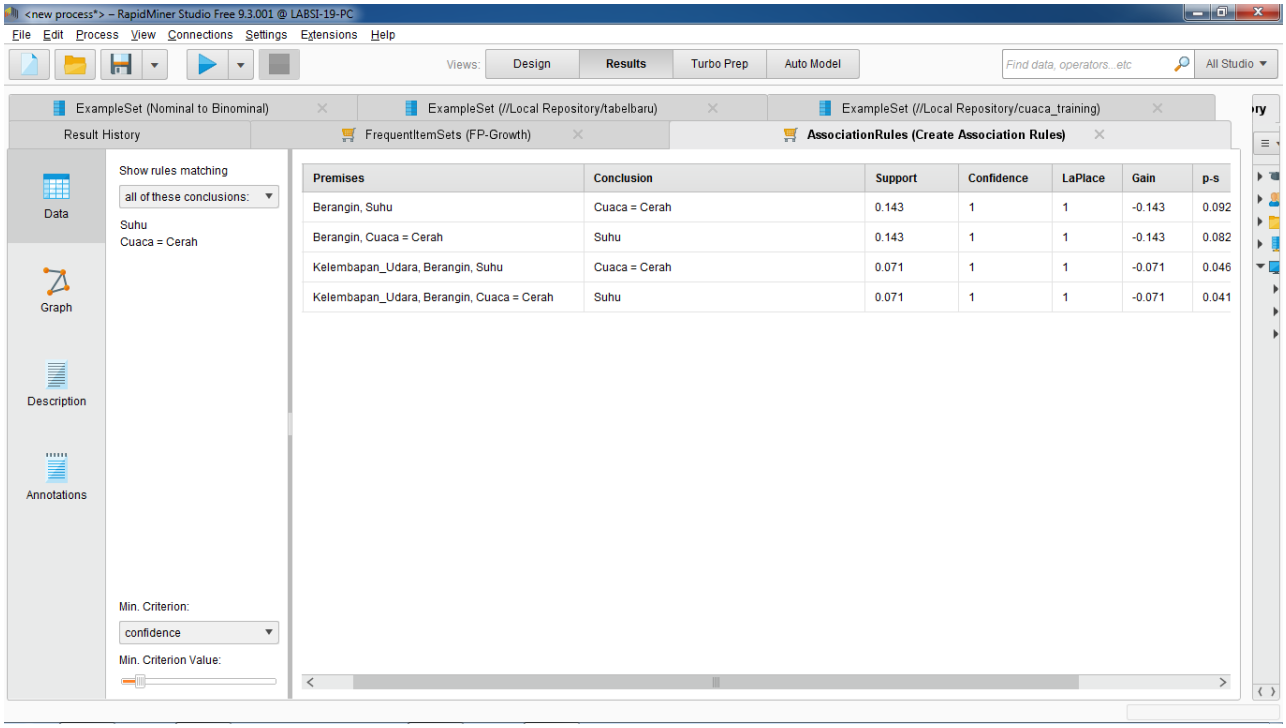
a)Frequent Item Set





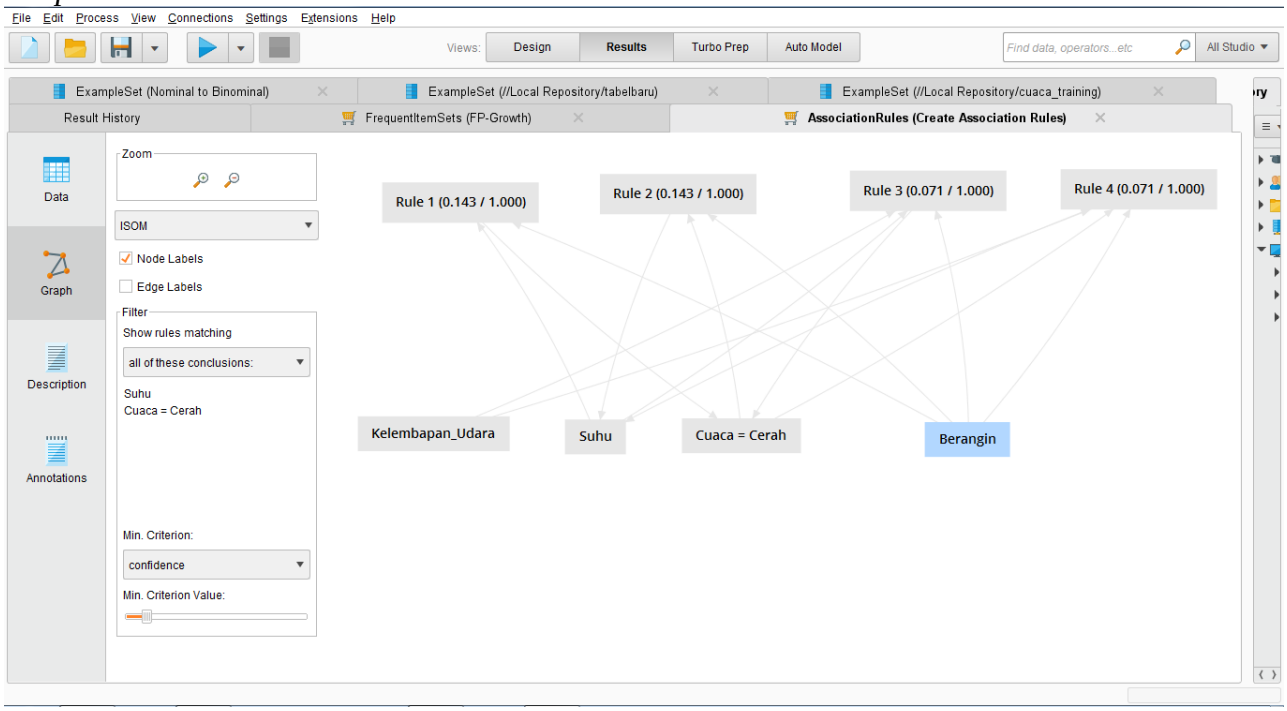
b)Association Rules

table view

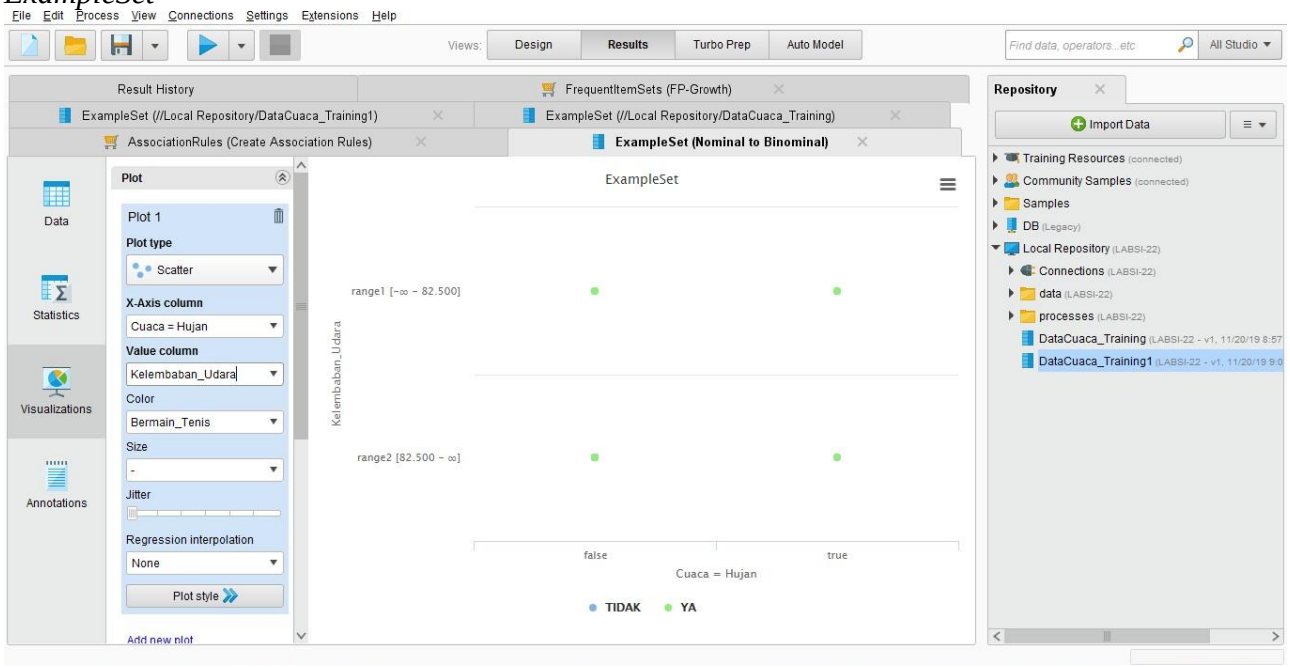


Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s
Berangin, Suhu	Cuaca = Cerah	0.143	1	1	-0.143	0.092
Berangin, Cuaca = Cerah	Suhu	0.143	1	1	-0.143	0.082
Kelembapan_Udara, Berangin, Suhu	Cuaca = Cerah	0.071	1	1	-0.071	0.046
Kelembapan_Udara, Berangin, Cuaca = Cerah	Suhu	0.071	1	1	-0.071	0.041

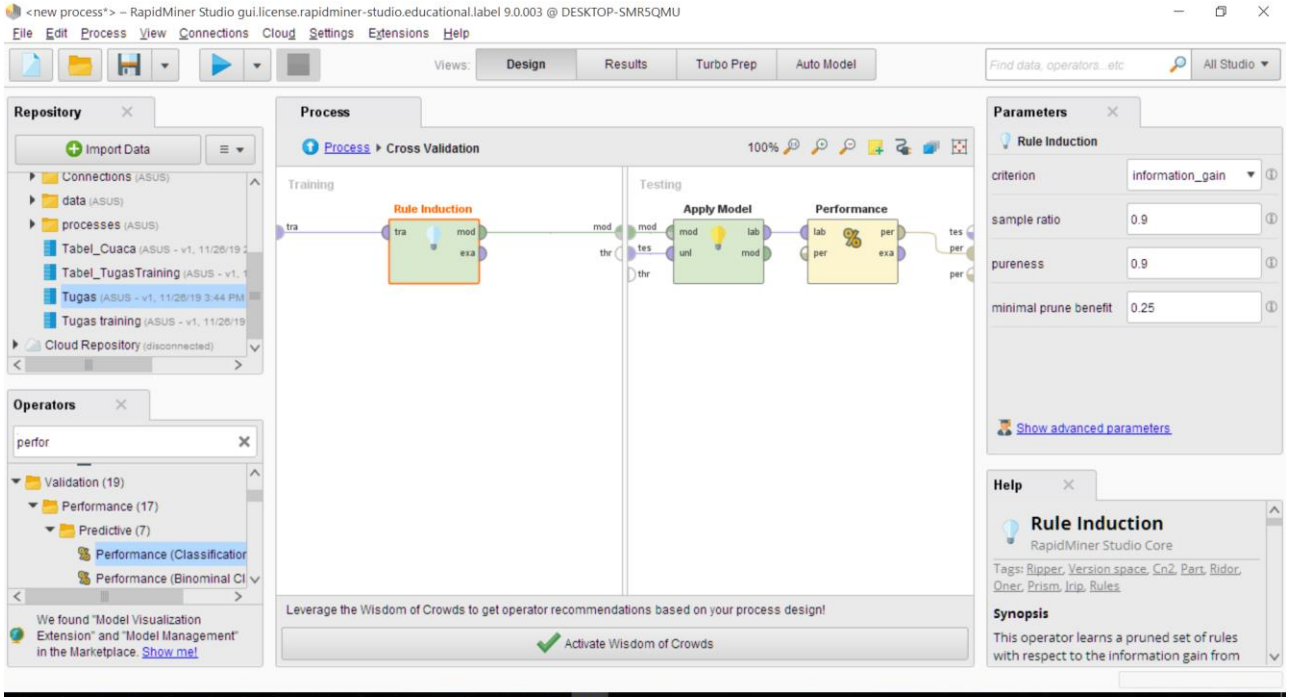
Graph View

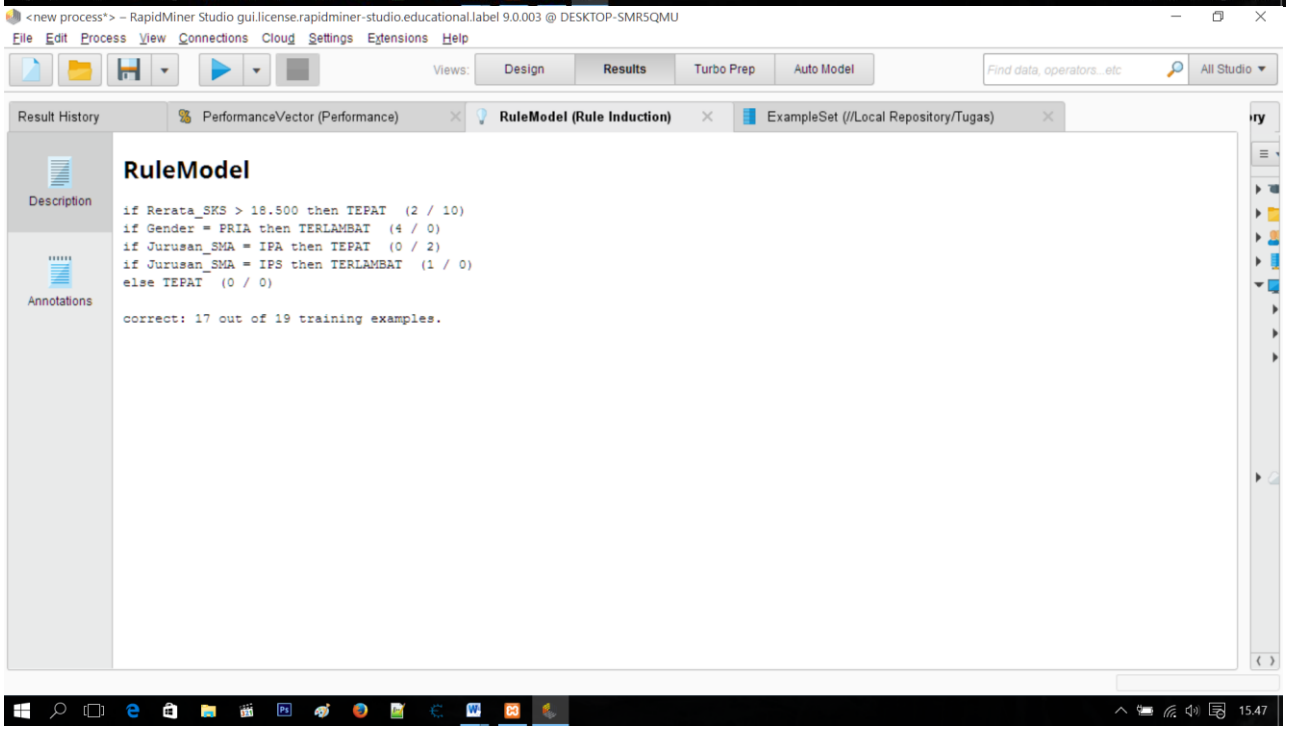


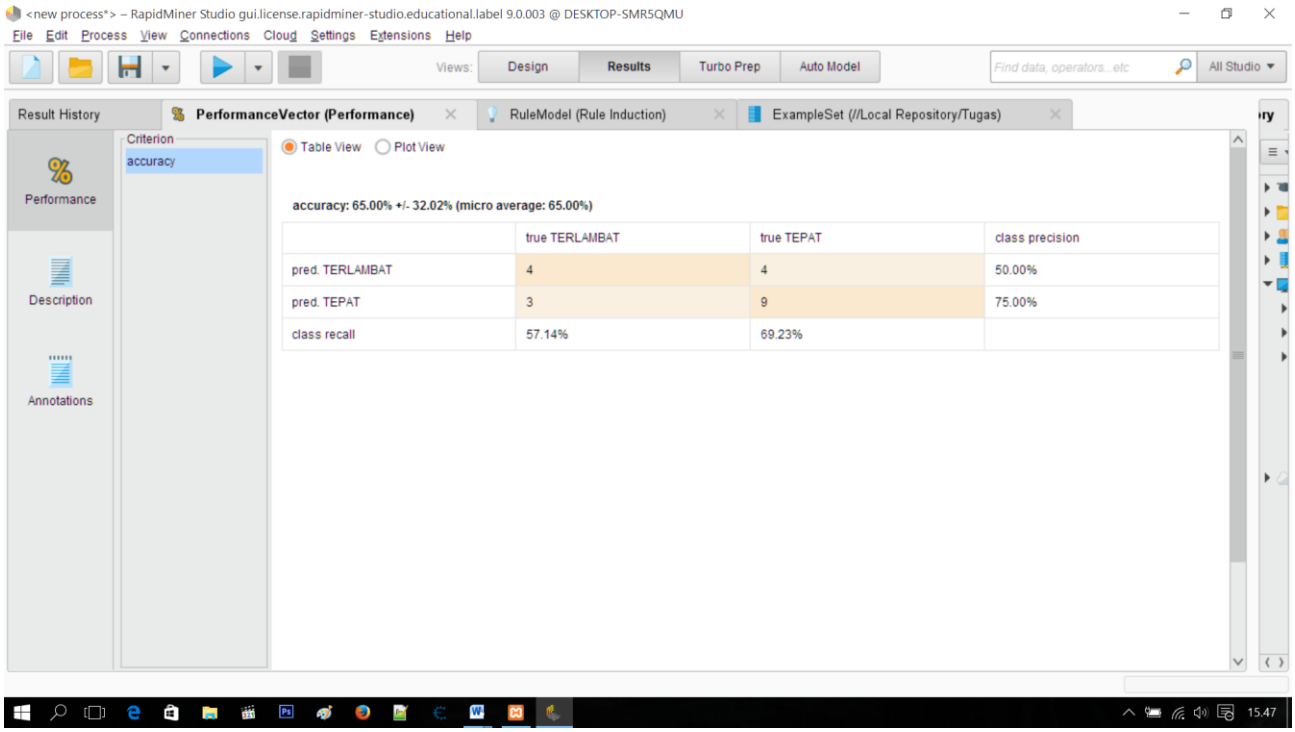
ExampleSet


File Edit Process View Connections Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Result History
FrequentItemSets (FP-Growth)
ExampleSet (//Local Repository/DataCuaca_Training1)
ExampleSet (//Local Repository/DataCuaca_Training)
AssociationRules (Create Association Rules)
ExampleSet (Nominal to Binominal)
Repository
Import Data
Training Resources (connected)
Community Samples (connected)
Samples
DB (Legacy)
Local Repository (LABSI-22)
Connections (LABSI-22)
data (LABSI-22)
processes (LABSI-22)
DataCuaca_Training (LABSI-22 - v1, 11/20/19 8:57
DataCuaca_Training1 (LABSI-22 - v1, 11/20/19 9:0
Data
Statistics
Visualizations
Annotations
Plot
Plot 1
Plot type
Scatter
X-Axis column
Cuaca = Hujan
Value column
Kelembaban_Udara
Color
Bermain_Tenis
Size
-
Jitter
Regression interpolation
None
Plot style
Add new plot
ExampleSet
range1 [-∞ – 82.500]
range2 [82.500 – ∞]
Kelembaban_Udara
false
true
Cuaca = Hujan
TIDAK
YA

Tugas
No.1


<new process*> – RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-SMR5QMU
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Repository
Import Data
Connections (ASUS)
data (ASUS)
processes (ASUS)
Tabel_Cuaca (ASUS - v1, 11/26/19
Tabel_TugasTraining (ASUS - v1,
Tugas (ASUS - v1, 11/26/19 3:44 PM
Tugas training (ASUS - v1, 11/26/19
Cloud Repository (disconnected)
Operators
perfor
Validation (19)
Performance (17)
Predictive (7)
Performance (Classificatior
Performance (Binominal Cl
We found "Model Visualization Extension" and "Model Management" in the Marketplace. Show me!
Process
Process ▸ Cross Validation
100%
Training
Rule Induction
tra
mod
exa
Testing
Apply Model
Performance
lab
unl
per
tes
thr
Leverage the Wisdom of Crowds to get operator recommendations based on your process design!
Activate Wisdom of Crowds
Parameters
Rule Induction
criterion
information_gain
sample ratio
0.9
pureness
0.9
minimal prune benefit
0.25
Show advanced parameters
Help
Rule Induction
RapidMiner Studio Core
Tags: Ripper, Version space, Cn2, Part, Ridor, Oner, Prism, Irip, Rules
Synopsis
This operator learns a pruned set of rules with respect to the information gain from
15.46

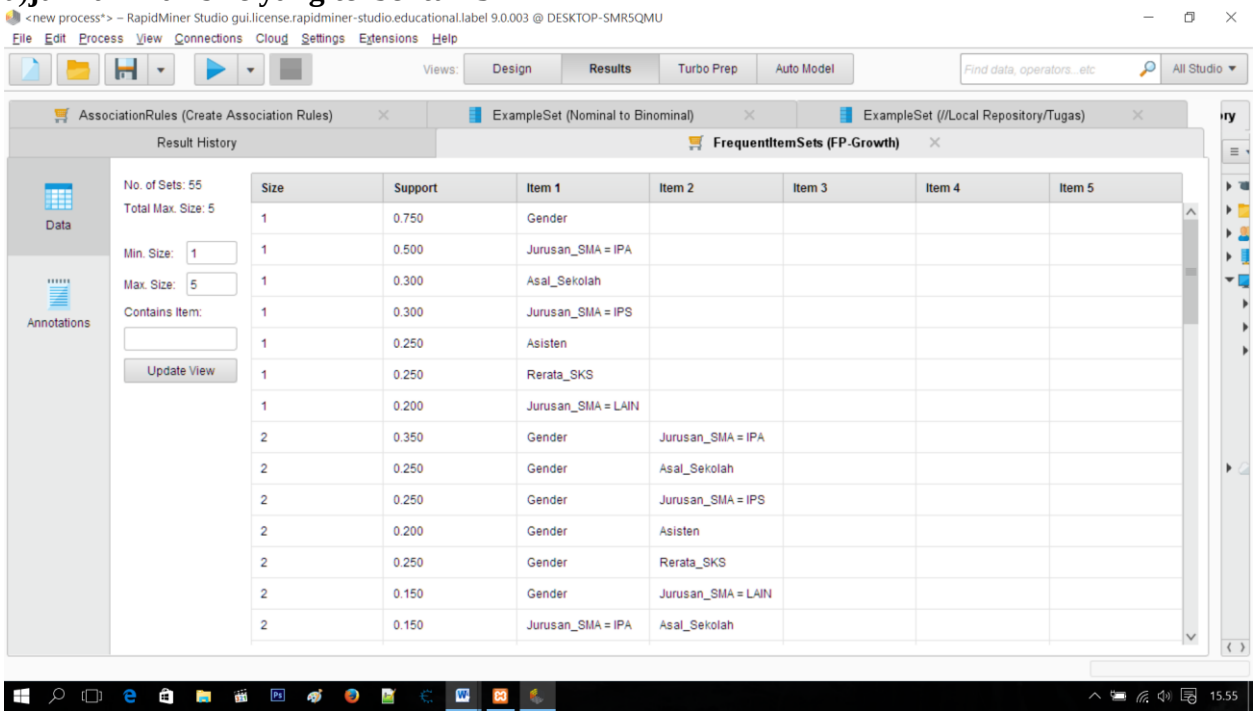

<new process*> – RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-SMR5QMU
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Result History
PerformanceVector (Performance)
RuleModel (Rule Induction)
ExampleSet (//Local Repository/Tugas)
Description
Annotations
RuleModel
if Rerata_SKS > 18.500 then TEPAT (2 / 10)
if Gender = PRIA then TERLAMBAT (4 / 0)
if Jurusan_SMA = IPA then TEPAT (0 / 2)
if Jurusan_SMA = IPS then TERLAMBAT (1 / 0)
else TEPAT (0 / 0)
correct: 17 out of 19 training examples.
15.47

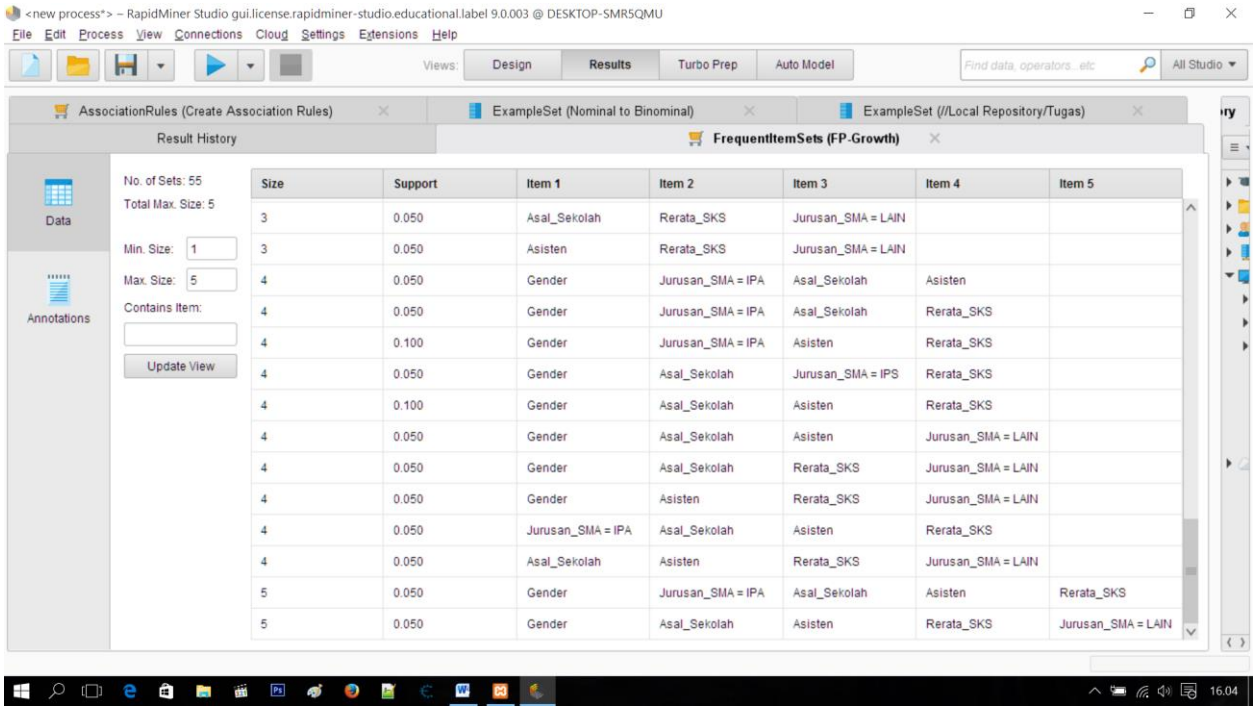


No.2

Number of bins=2

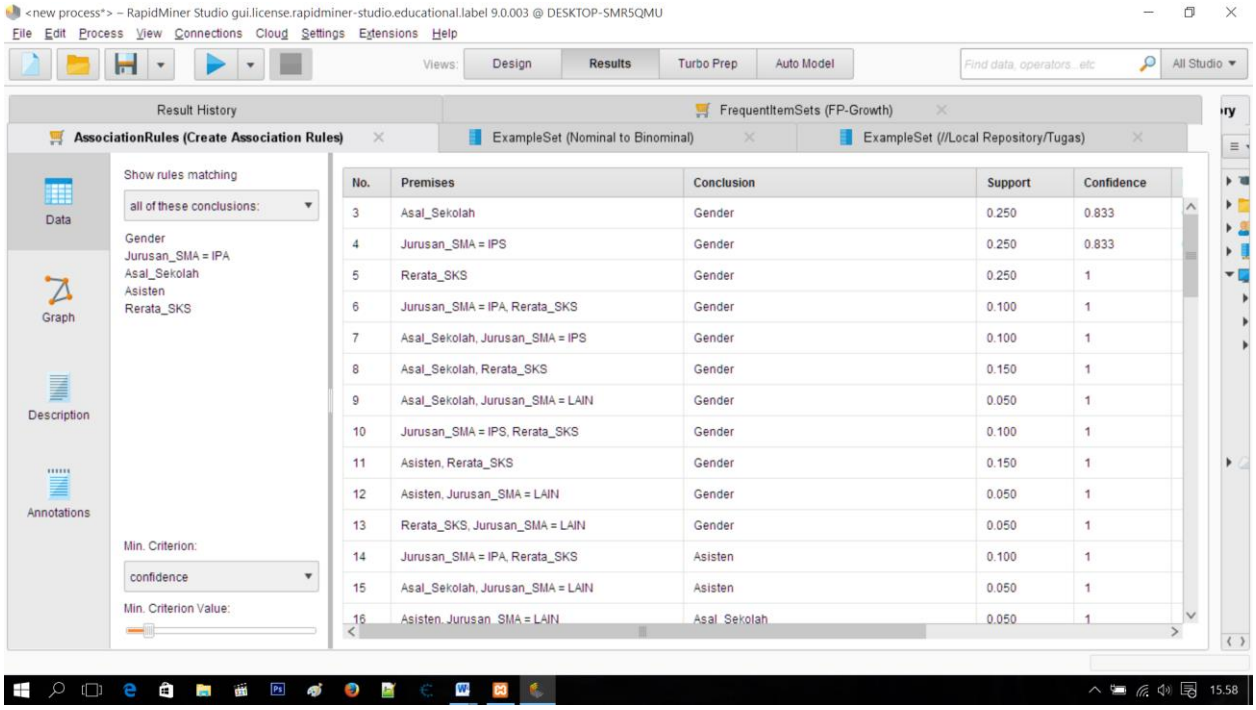
a)**jumlah max size yang terbentuk 5**

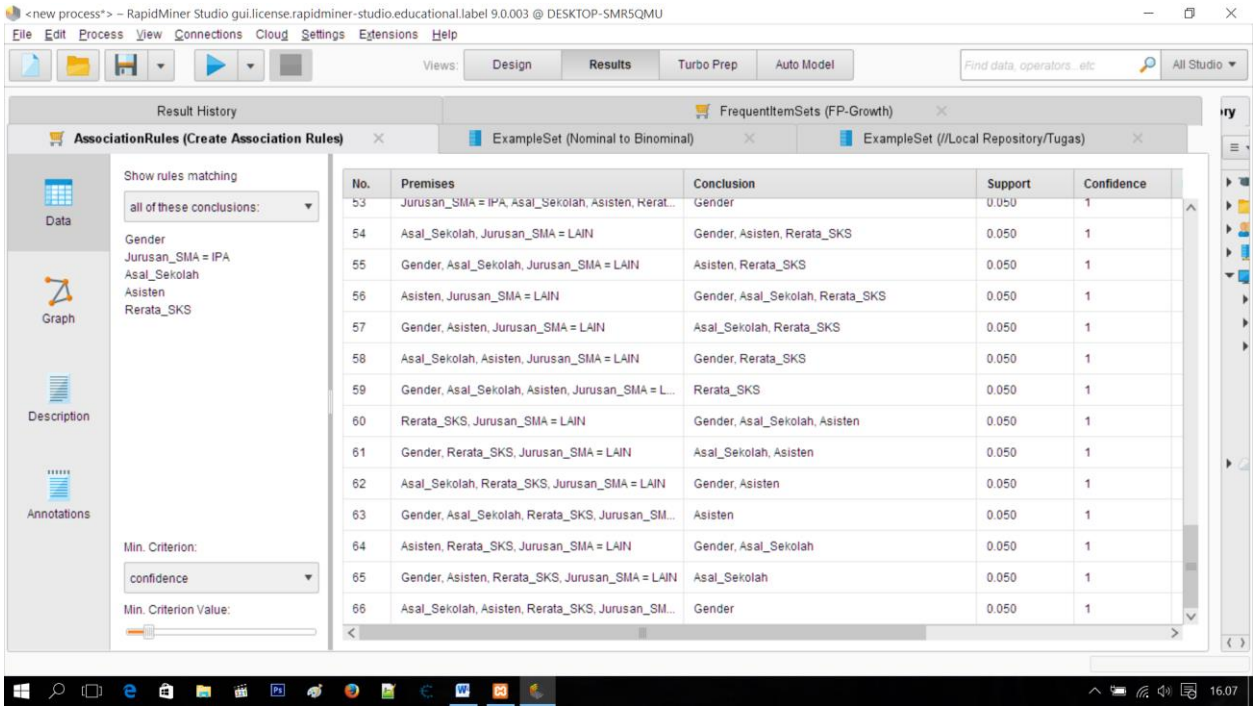




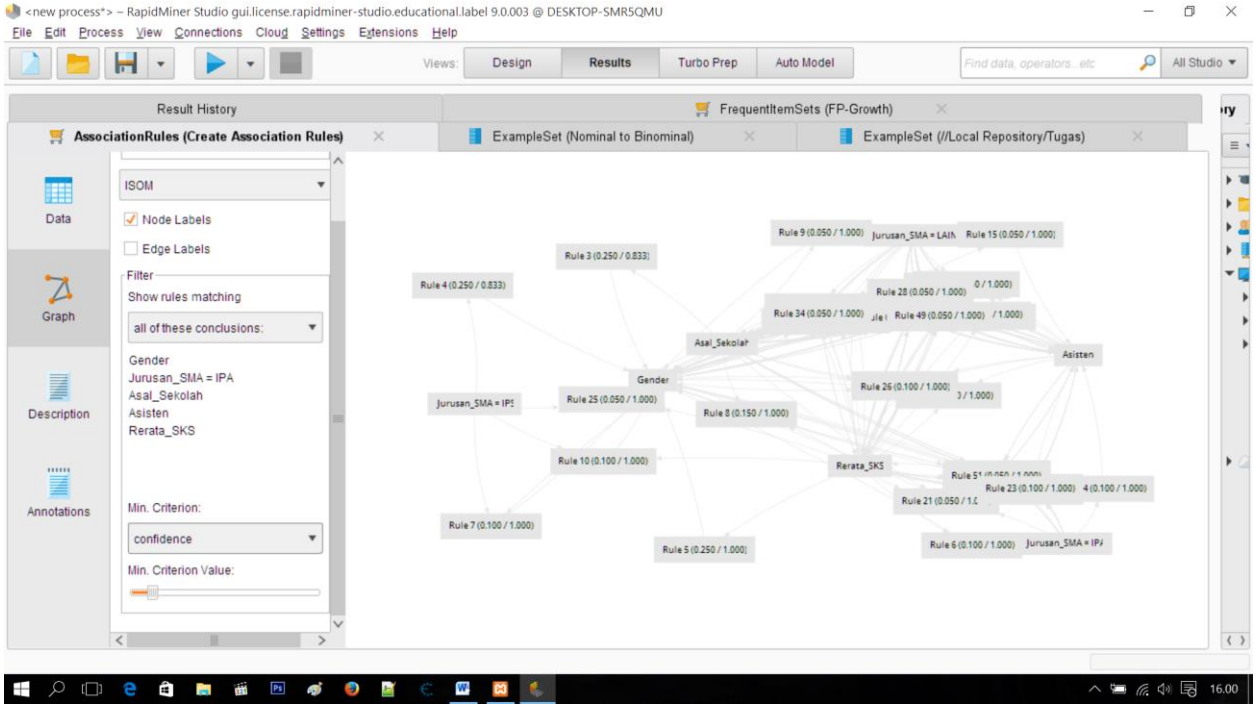
b)**association rules**

table view

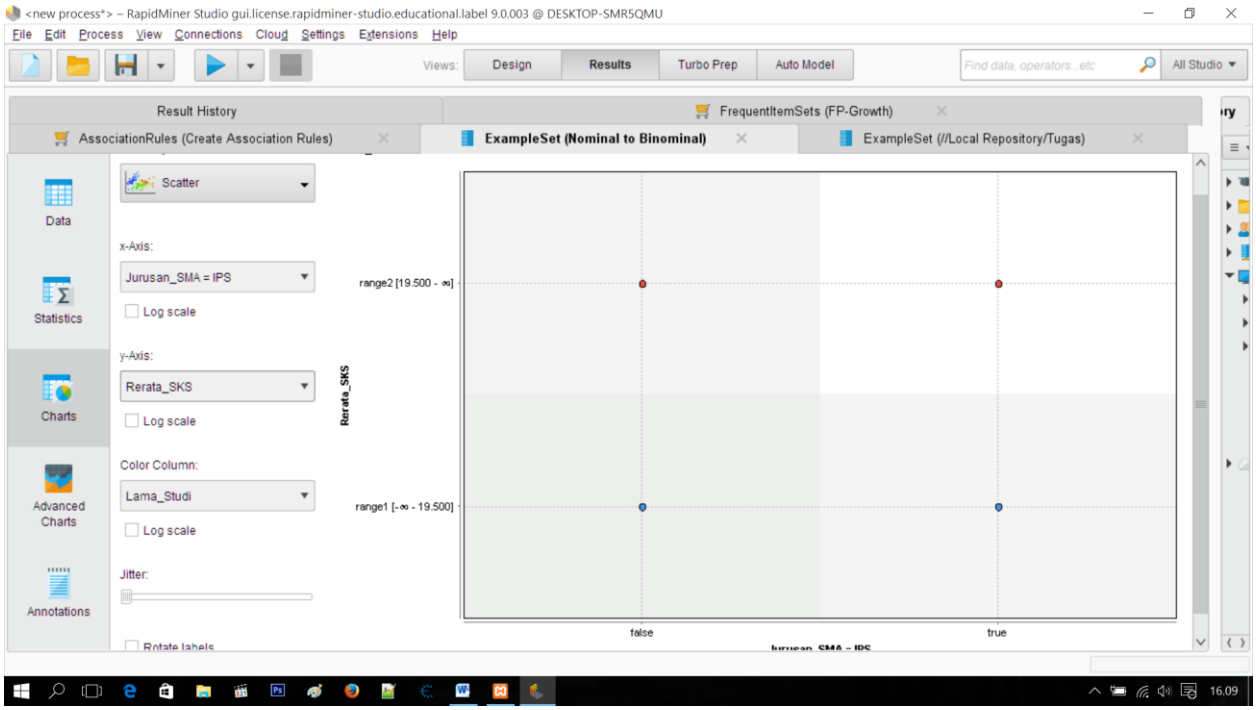




Graph view

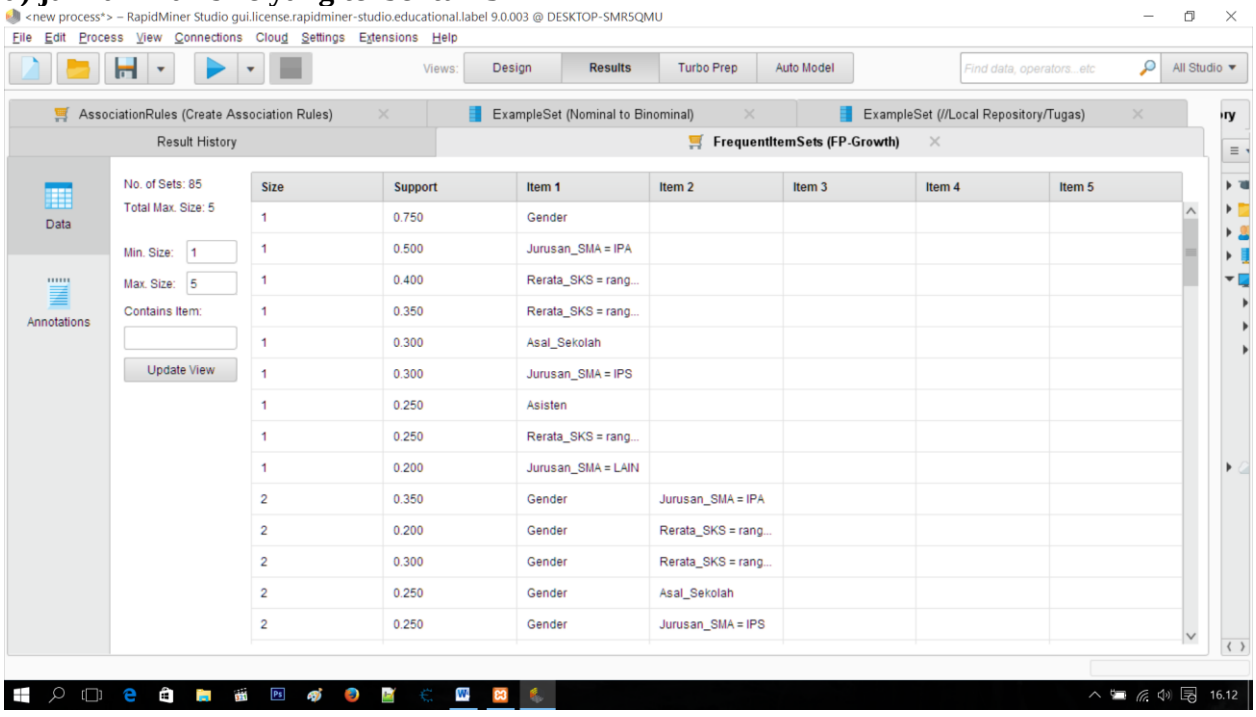


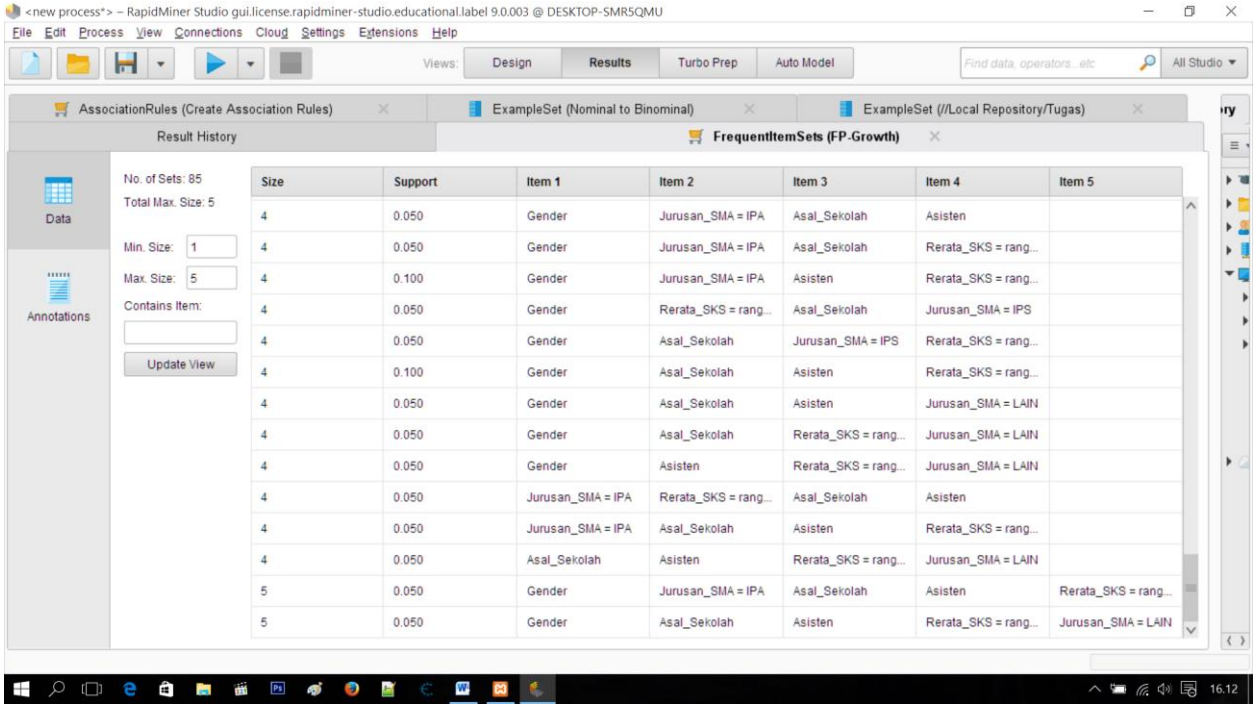
c)grafik chart



Number of bins=nilai lain(3)

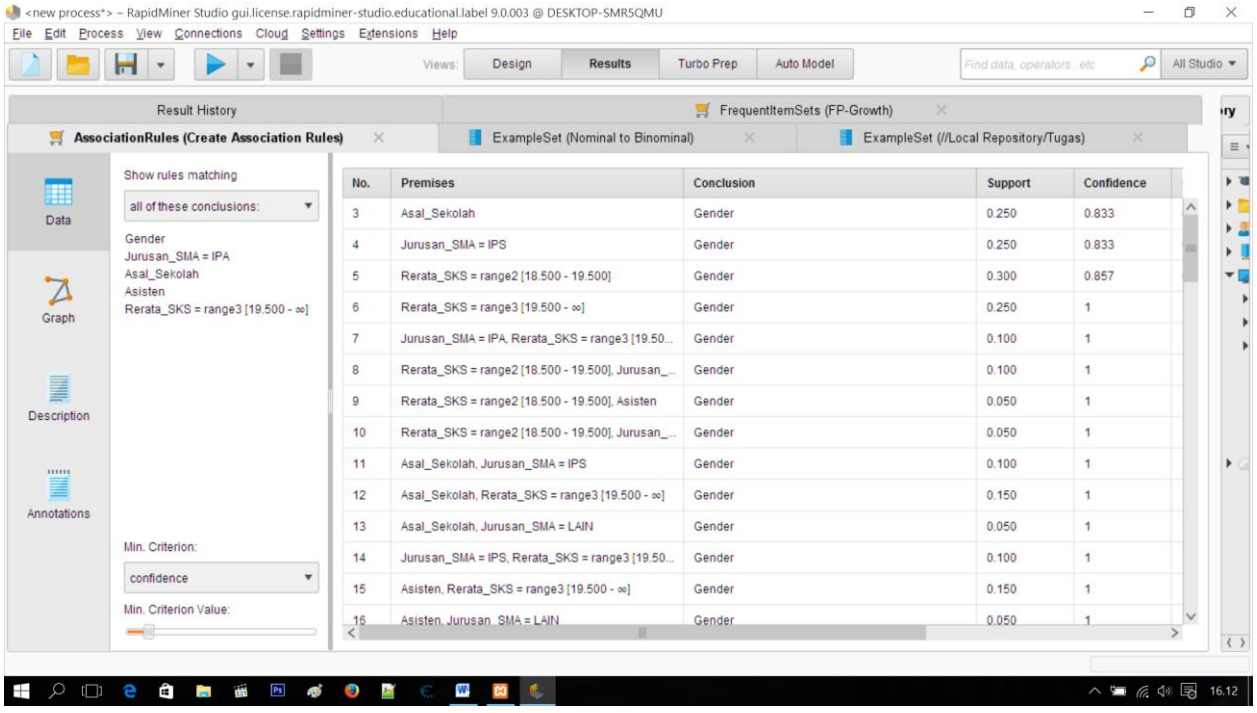
a) jumlah max size yang terbentuk 5

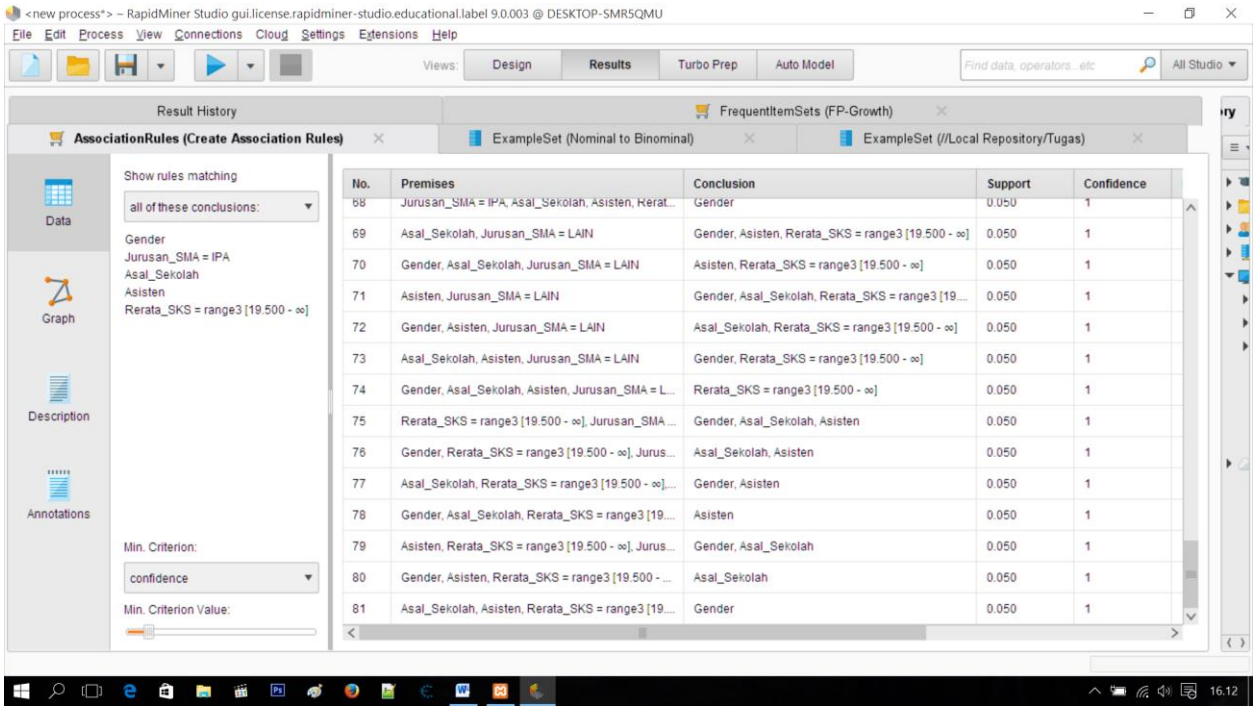




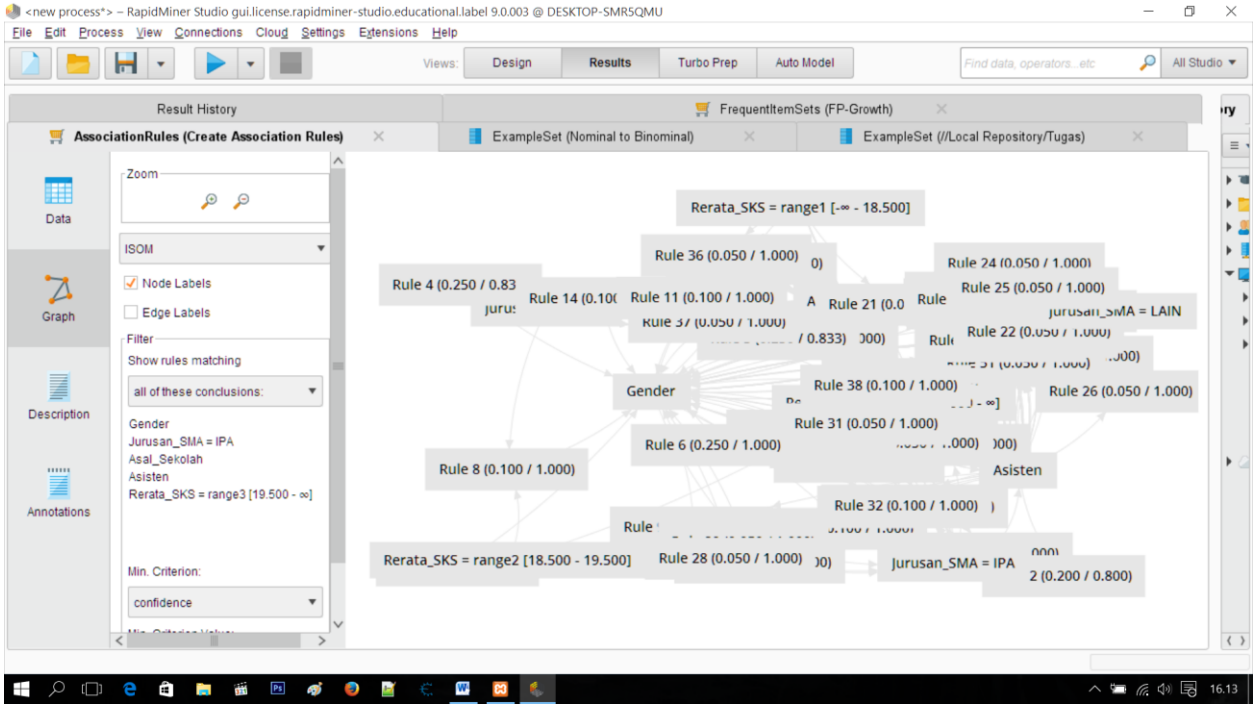
b) association rules

table view

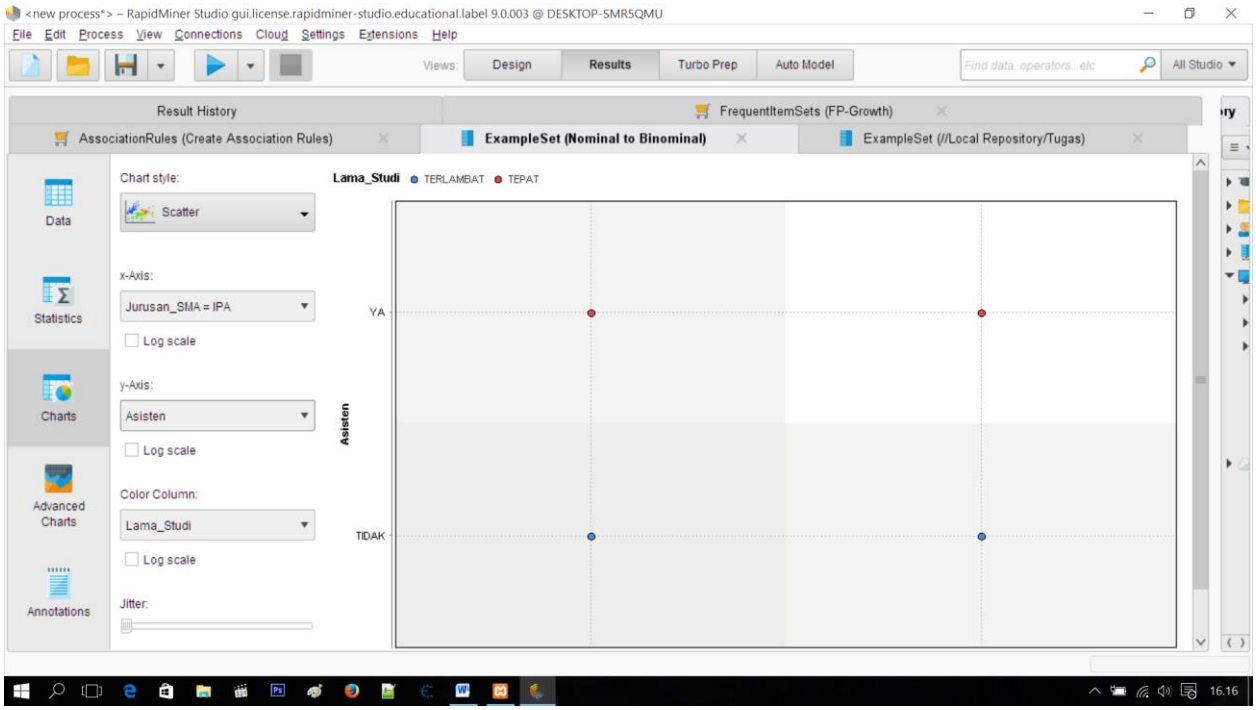




Graph view



c)grafik chart


<new process*> – RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-SMR5QMU
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Result History
FrequentItemSets (FP-Growth)
AssociationRules (Create Association Rules)
ExampleSet (Nominal to Binominal)
ExampleSet (//Local Repository/Tugas)
Data
Statistics
Charts
Advanced Charts
Annotations
Chart style:
Scatter
x-Axis:
Jurusan_SMA = IPA
Log scale
y-Axis:
Asisten
Log scale
Color Column:
Lama_Studi
Log scale
Jitter:
Lama_Studi TERLAMBAT TEPAT
YA
TIDAK
Asisten
16.16