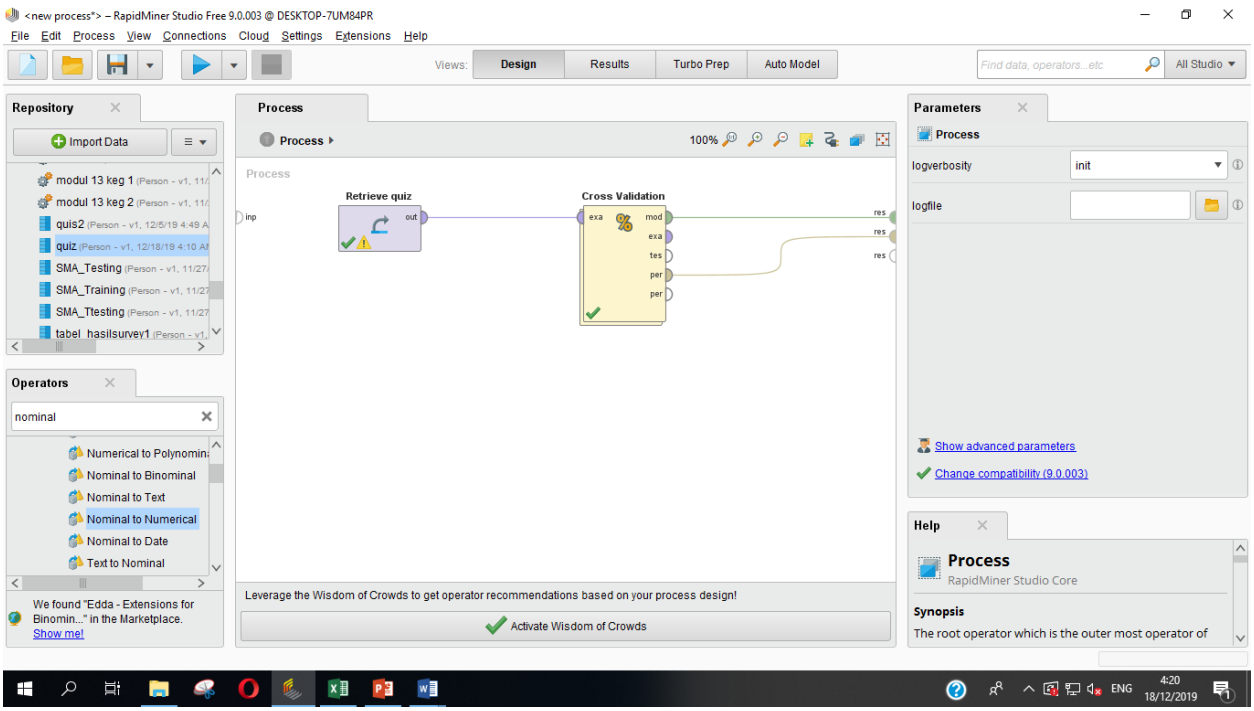
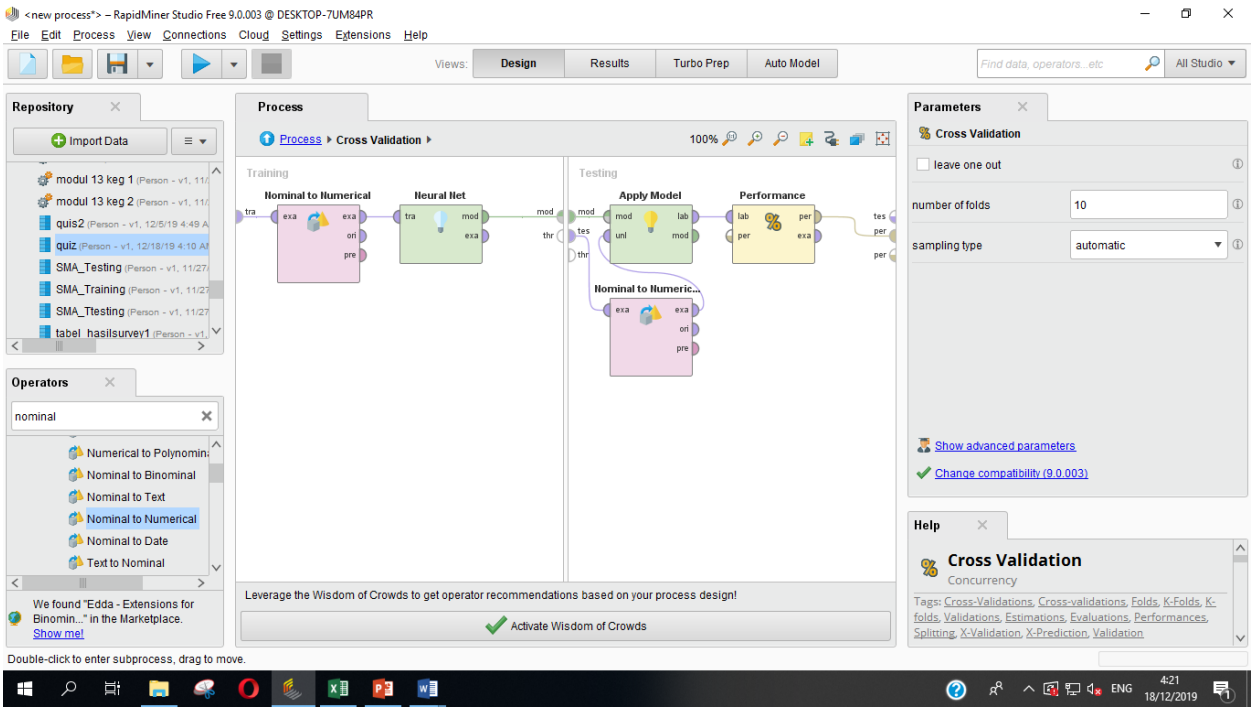
Nama : NARENDRA GUSTIAJI

NIM : L200170151

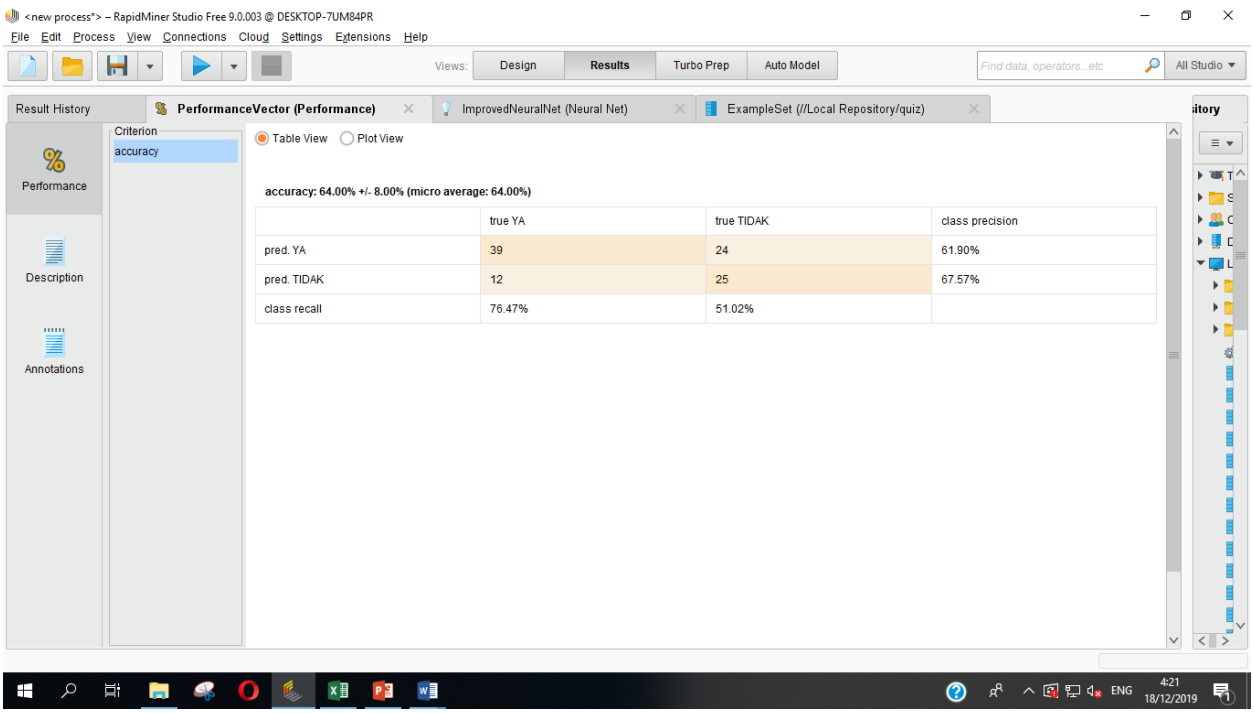
Kelas : F

## Neural Net

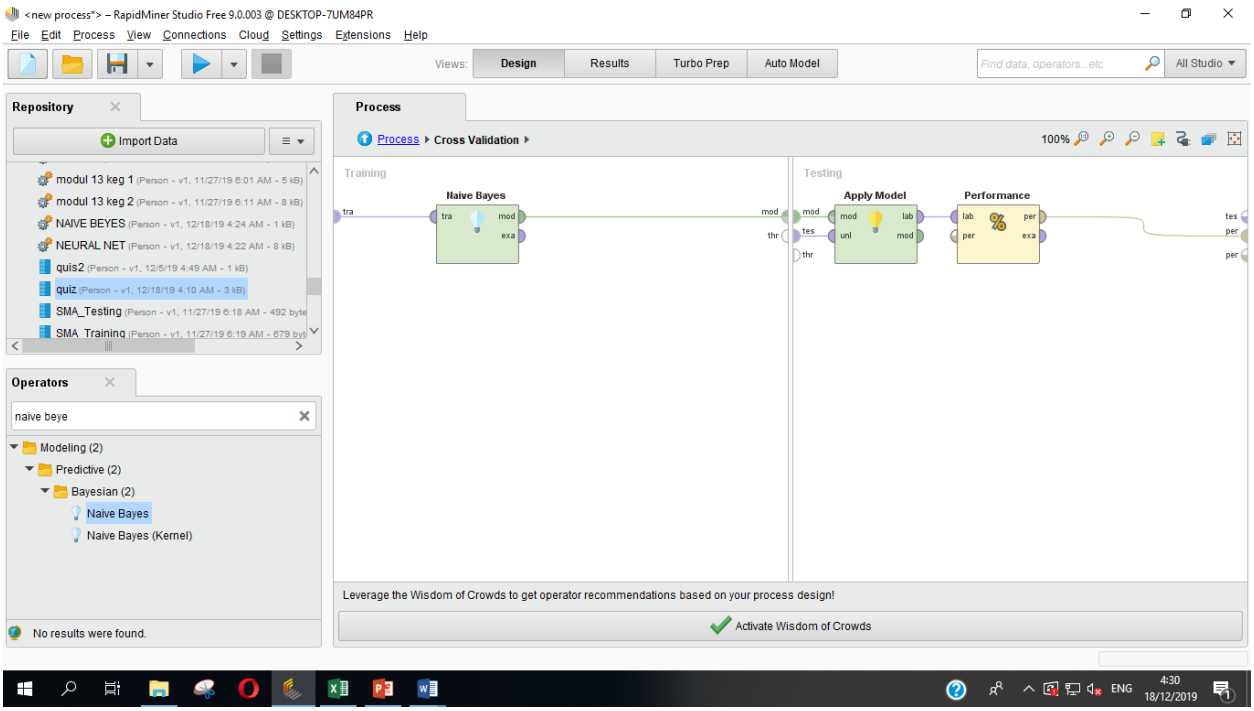



<new process*> – RapidMiner Studio Free 9.0.003 @ DESKTOP-7UM84PR
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Repository
Import Data
Process
Process ▸ Cross Validation
Training
Testing
Nominal to Numerical
Neural Net
Apply Model
Performance
Nominal to Numeric...
Parameters
Cross Validation
leave one out
number of folds 10
sampling type automatic
Show advanced parameters
Change compatibility (9.0.003)
Operators
nominal
Numerical to Polynomia
Nominal to Binominal
Nominal to Text
Nominal to Numerical
Nominal to Date
Text to Nominal
We found "Edda - Extensions for Binomin..." in the Marketplace.
Show me!
Help
Cross Validation
Concurrency
Tags: Cross-Validations, Cross-validations, Folds, K-Folds, K-folds, Validations, Estimations, Evaluations, Performances, Splitting, X-Validation, X-Prediction, Validation
Leverage the Wisdom of Crowds to get operator recommendations based on your process design!
Activate Wisdom of Crowds
Double-click to enter subprocess, drag to move.
ENG 4:21 18/12/2019

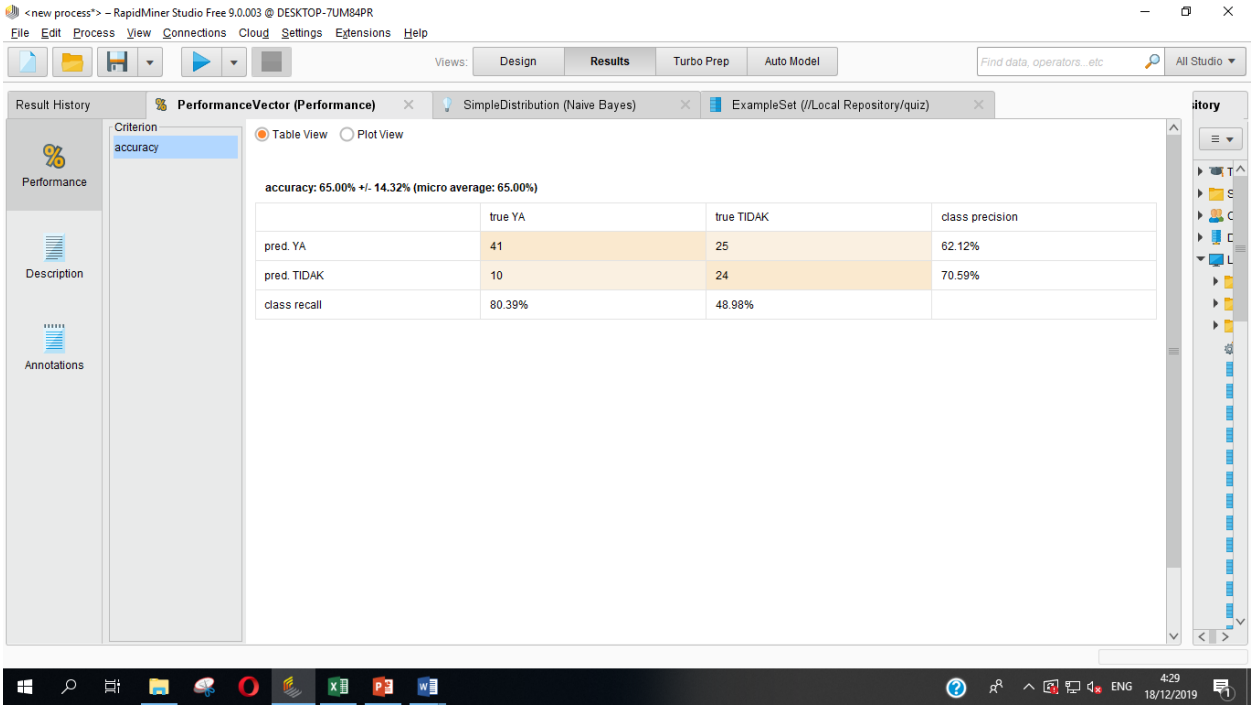
Hasilnya :


<new process*> – RapidMiner Studio Free 9.0.003 @ DESKTOP-7UM84PR
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Result History
PerformanceVector (Performance)
ImprovedNeuralNet (Neural Net)
ExampleSet (//Local Repository/quiz)
Criterion
accuracy
Table View Plot View
accuracy: 64.00% +/- 8.00% (micro average: 64.00%)
Performance
Description
Annotations
true YA true TIDAK class precision
pred. YA 39 24 61.90%
pred. TIDAK 12 25 67.57%
class recall 76.47% 51.02%
ENG 4:21 18/12/2019

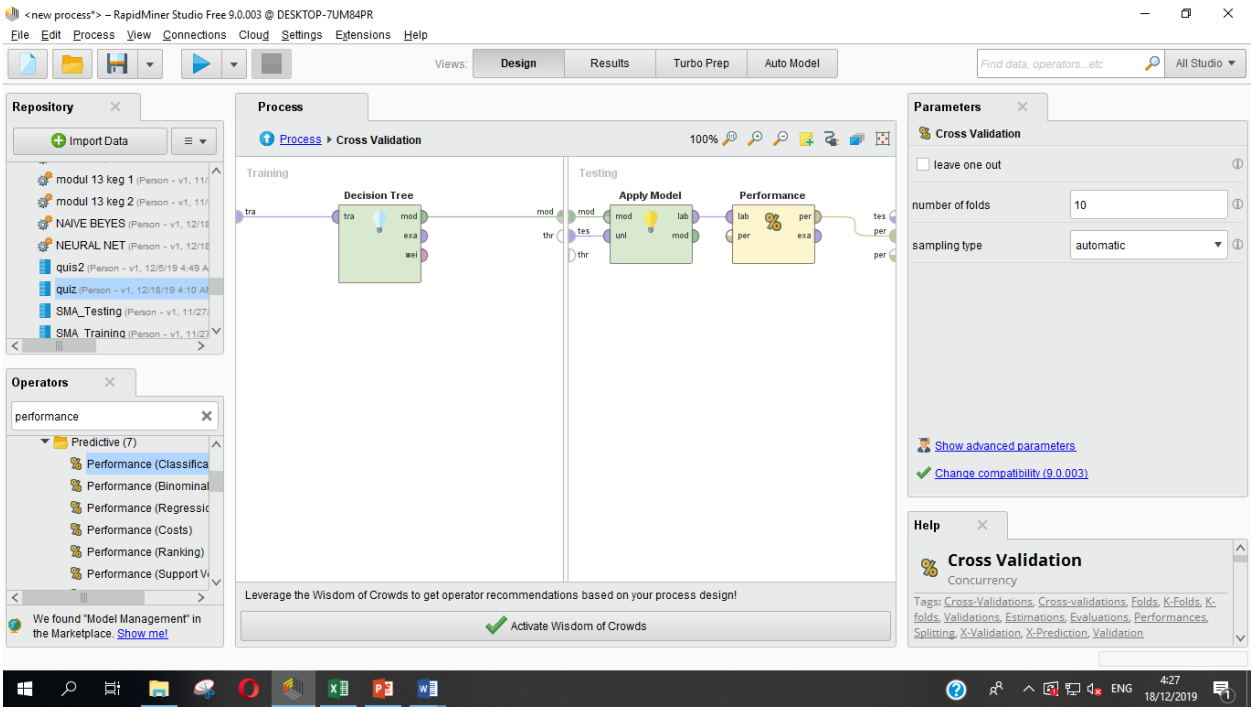
# Naïve Beyes



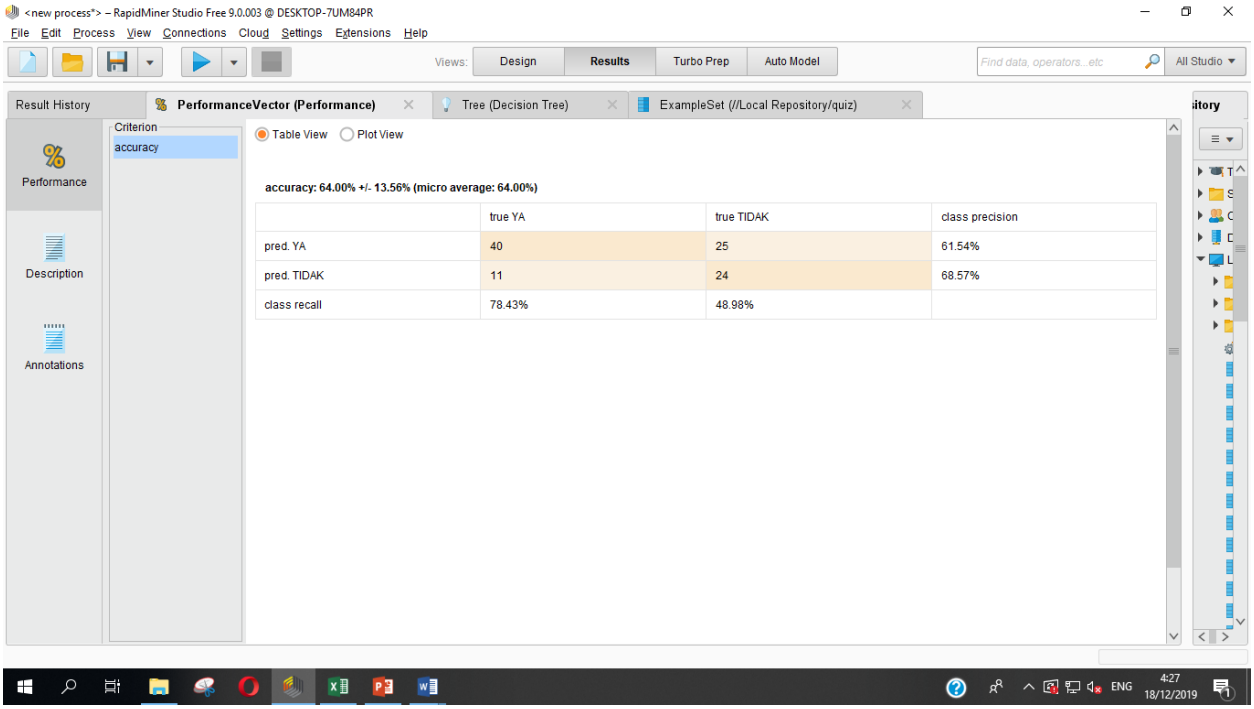

# Hasilnya :

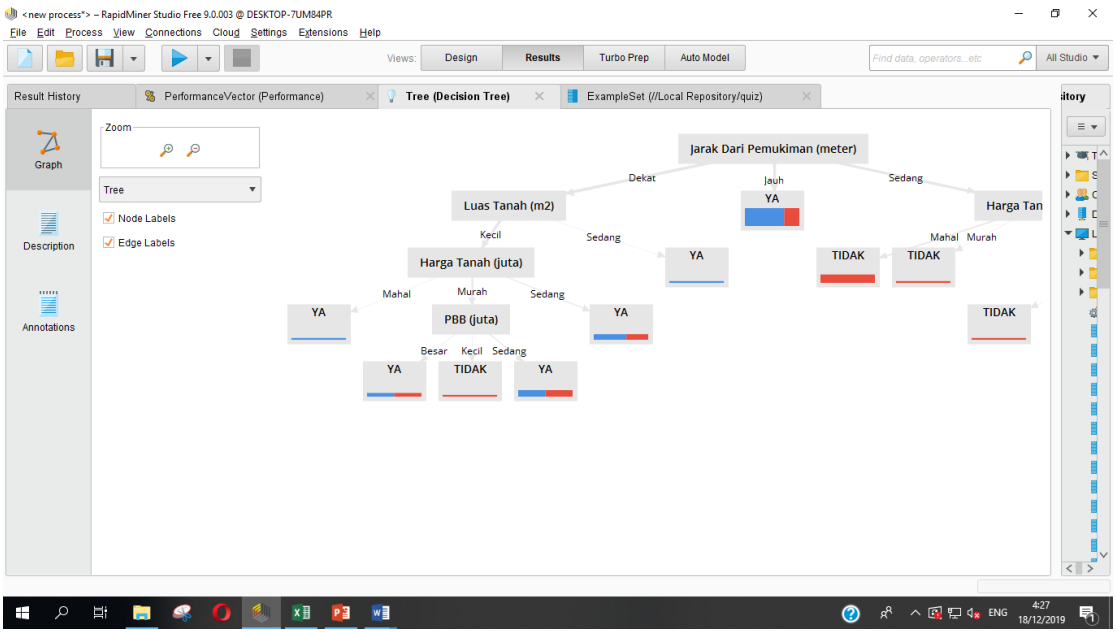


# Decision Tree




# Hasilnya :

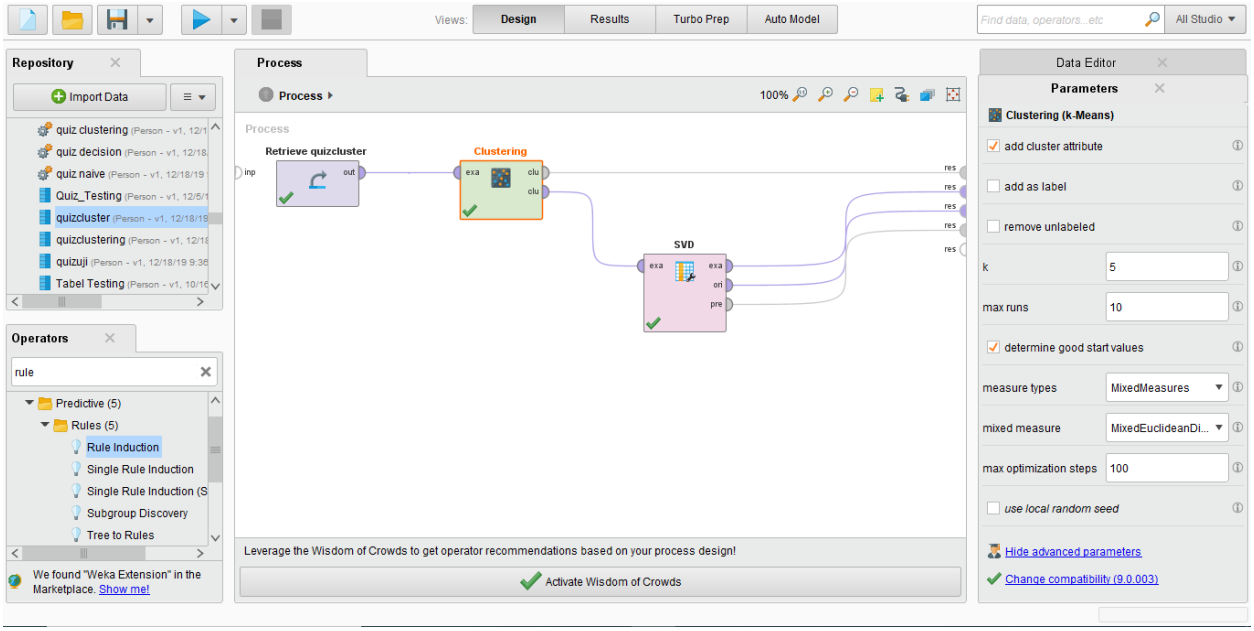



<new process*> – RapidMiner Studio Free 9.0.003 @ DESKTOP-7UM84PR
File Edit Process View Connections Cloud Settings Extensions Help
Views: Design Results Turbo Prep Auto Model
Find data, operators...etc
All Studio
Result History
PerformanceVector (Performance)
Tree (Decision Tree)
ExampleSet (//Local Repository/quiz)
Graph
Description
Annotations
Zoom
Tree
Node Labels
Edge Labels
Jarak Dari Pemukiman (meter)
Dekat
Jauh
Sedang
Luas Tanah (m2)
YA
Harga Tan
Kecil
Sedang
Mahal
Murah
Harga Tanah (juta)
YA
TIDAK
TIDAK
Mahal
Murah
Sedang
YA
PBB (juta)
YA
TIDAK
Besar
Kecil
Sedang
YA
TIDAK
YA
ENG
4:27
18/12/2019

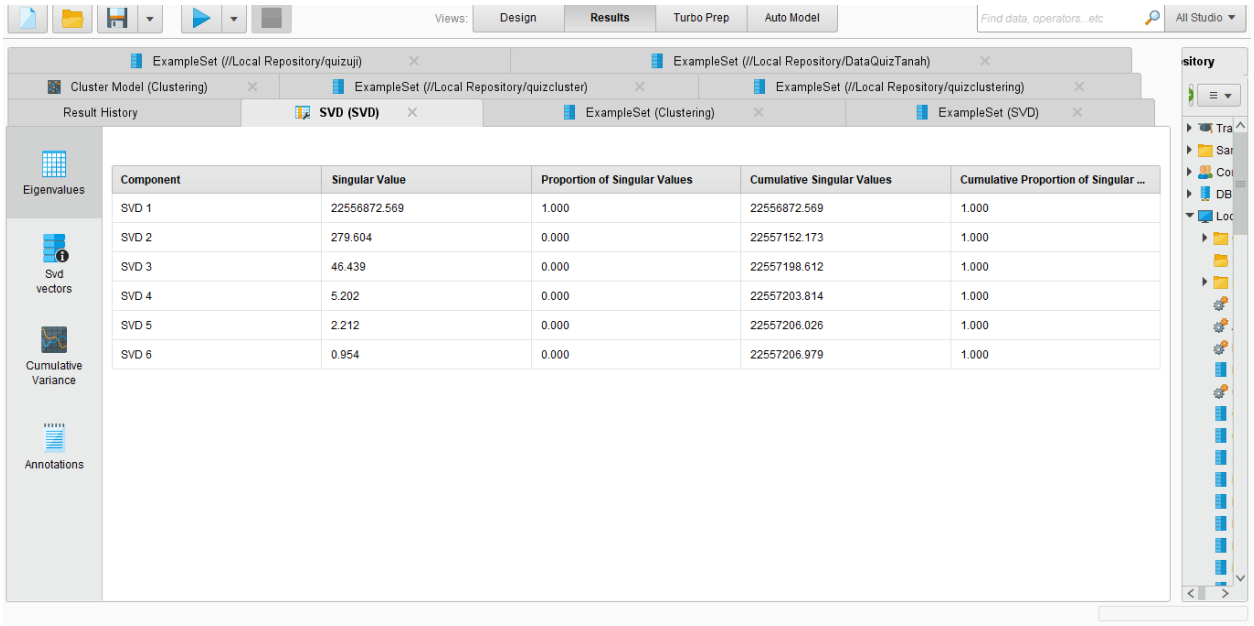
Paling Tinggi Naïve Beyes dengan 65%

2.

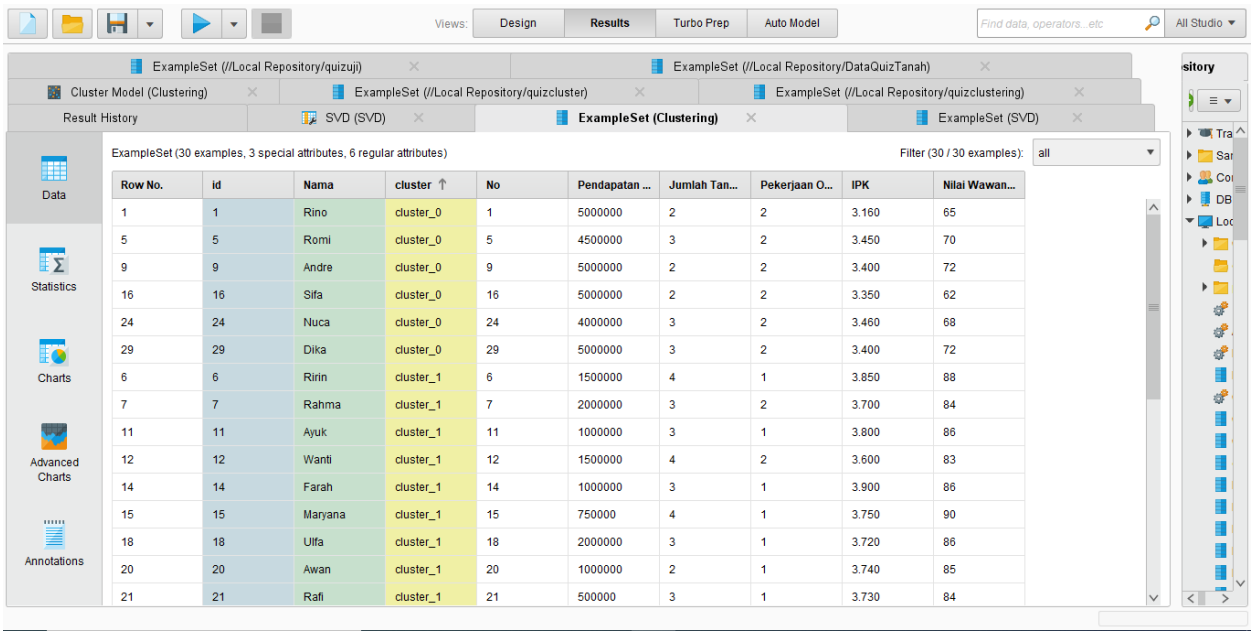
Clustering K-Means



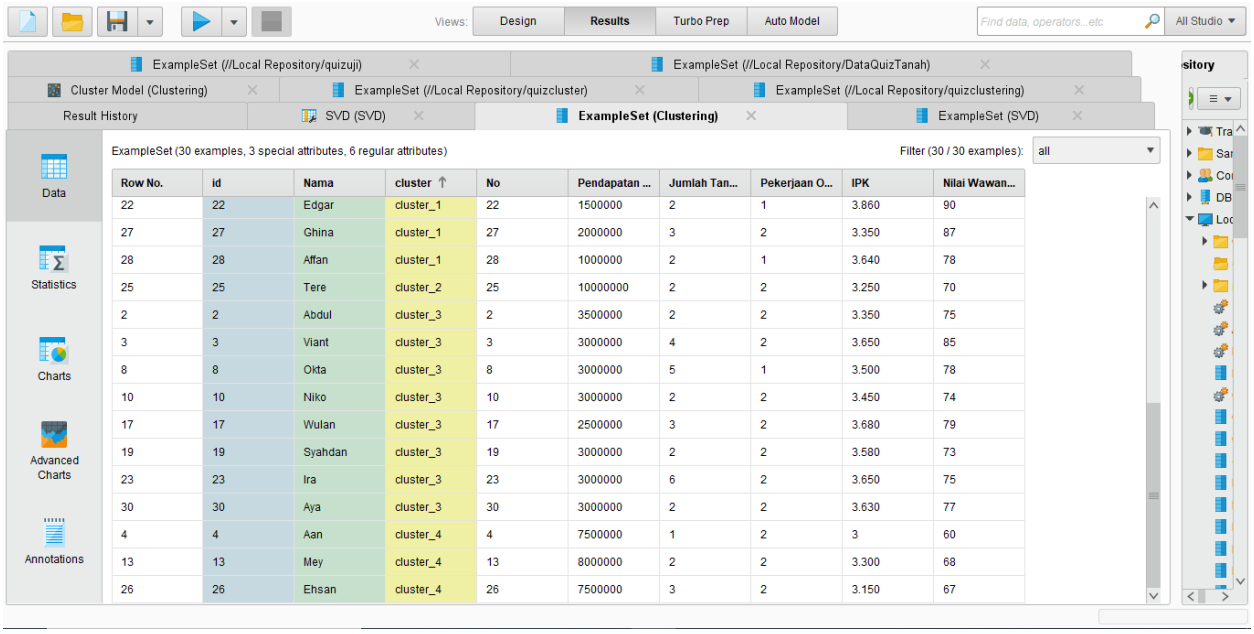

Hasilnya



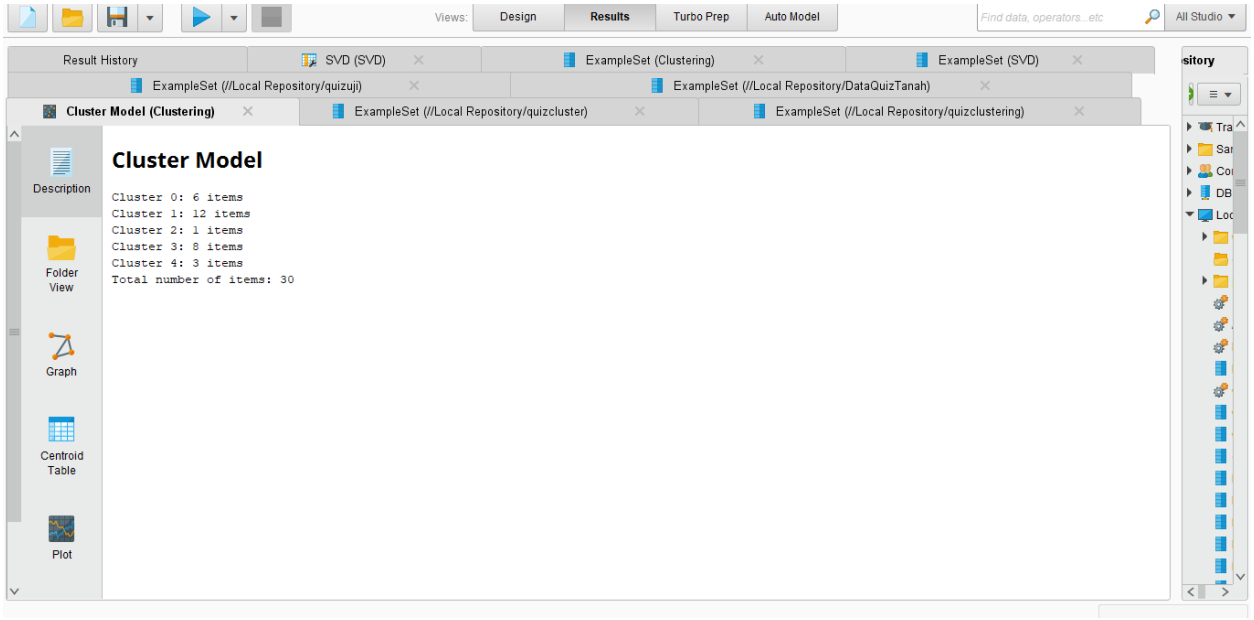

| Component | Singular Value | Proportion of Singular Values | Cumulative Singular Values | Cumulative Proportion of Singular ... |
|---|---|---|---|---|
| SVD 1 | 22556872.569 | 1.000 | 22556872.569 | 1.000 |
| SVD 2 | 279.604 | 0.000 | 22557152.173 | 1.000 |
| SVD 3 | 46.439 | 0.000 | 22557198.612 | 1.000 |
| SVD 4 | 5.202 | 0.000 | 22557203.814 | 1.000 |
| SVD 5 | 2.212 | 0.000 | 22557206.026 | 1.000 |
| SVD 6 | 0.954 | 0.000 | 22557206.979 | 1.000 |



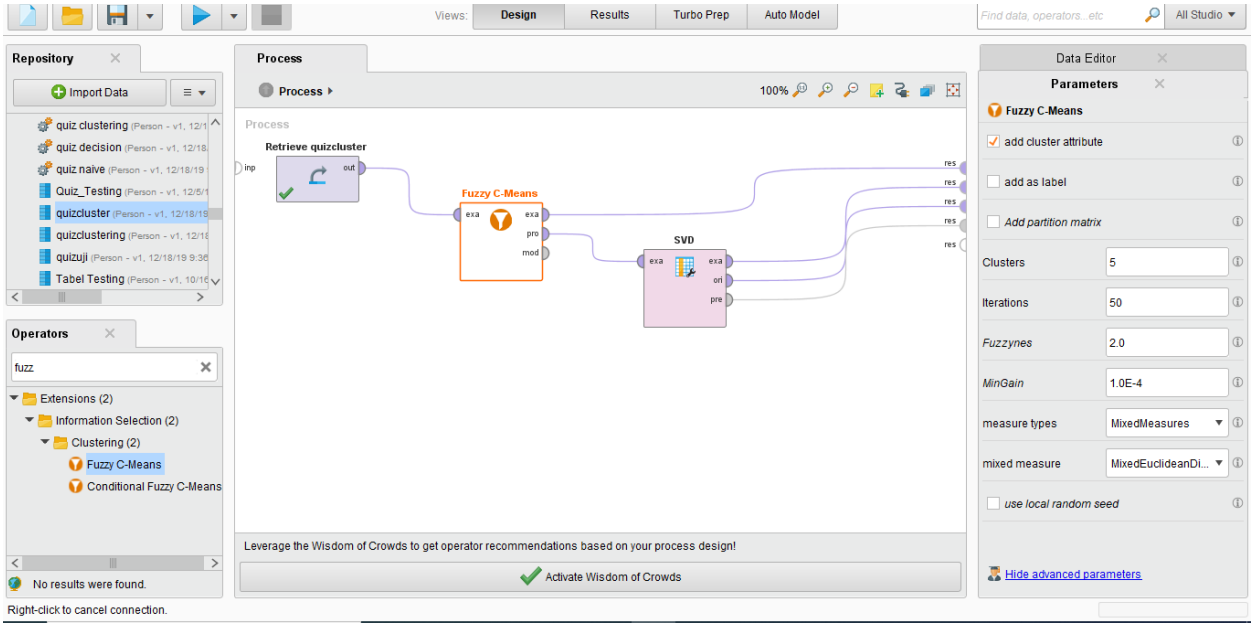

| Row No. | id | Nama | cluster | No | Pendapatan ... | Jumlah Tan... | Pekerjaan O... | IPK | Nilai Wawan... |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Rino | cluster_0 | 1 | 5000000 | 2 | 2 | 3.160 | 65 |
| 5 | 5 | Romi | cluster_0 | 5 | 4500000 | 3 | 2 | 3.450 | 70 |
| 9 | 9 | Andre | cluster_0 | 9 | 5000000 | 2 | 2 | 3.400 | 72 |
| 16 | 16 | Sifa | cluster_0 | 16 | 5000000 | 2 | 2 | 3.350 | 62 |
| 24 | 24 | Nuca | cluster_0 | 24 | 4000000 | 3 | 2 | 3.460 | 68 |
| 29 | 29 | Dika | cluster_0 | 29 | 5000000 | 3 | 2 | 3.400 | 72 |
| 6 | 6 | Ririn | cluster_1 | 6 | 1500000 | 4 | 1 | 3.850 | 88 |
| 7 | 7 | Rahma | cluster_1 | 7 | 2000000 | 3 | 2 | 3.700 | 84 |
| 11 | 11 | Ayuk | cluster_1 | 11 | 1000000 | 3 | 1 | 3.800 | 86 |
| 12 | 12 | Wanti | cluster_1 | 12 | 1500000 | 4 | 2 | 3.600 | 83 |
| 14 | 14 | Farah | cluster_1 | 14 | 1000000 | 3 | 1 | 3.900 | 86 |
| 15 | 15 | Maryana | cluster_1 | 15 | 750000 | 4 | 1 | 3.750 | 90 |
| 18 | 18 | Ulfa | cluster_1 | 18 | 2000000 | 3 | 1 | 3.720 | 86 |
| 20 | 20 | Awan | cluster_1 | 20 | 1000000 | 2 | 1 | 3.740 | 85 |
| 21 | 21 | Rafi | cluster_1 | 21 | 500000 | 3 | 1 | 3.730 | 84 |

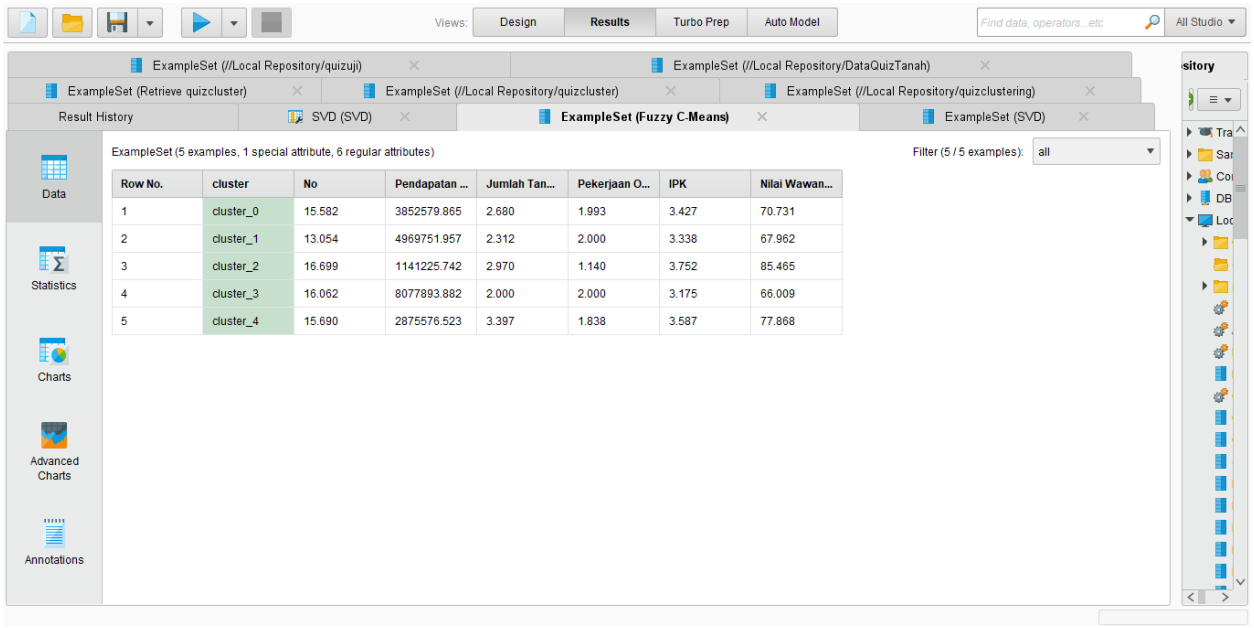



| Row No. | id | Nama | cluster | No | Pendapatan ... | Jumlah Tan... | Pekerjaan O... | IPK | Nilai Wawan... |
|---|---|---|---|---|---|---|---|---|---|
| 22 | 22 | Edgar | cluster_1 | 22 | 1500000 | 2 | 1 | 3.860 | 90 |
| 27 | 27 | Ghina | cluster_1 | 27 | 2000000 | 3 | 2 | 3.350 | 87 |
| 28 | 28 | Affan | cluster_1 | 28 | 1000000 | 2 | 1 | 3.640 | 78 |
| 25 | 25 | Tere | cluster_2 | 25 | 10000000 | 2 | 2 | 3.250 | 70 |
| 2 | 2 | Abdul | cluster_3 | 2 | 3500000 | 2 | 2 | 3.350 | 75 |
| 3 | 3 | Viant | cluster_3 | 3 | 3000000 | 4 | 2 | 3.650 | 85 |
| 8 | 8 | Okta | cluster_3 | 8 | 3000000 | 5 | 1 | 3.500 | 78 |
| 10 | 10 | Niko | cluster_3 | 10 | 3000000 | 2 | 2 | 3.450 | 74 |
| 17 | 17 | Wulan | cluster_3 | 17 | 2500000 | 3 | 2 | 3.680 | 79 |
| 19 | 19 | Syahdan | cluster_3 | 19 | 3000000 | 2 | 2 | 3.580 | 73 |
| 23 | 23 | Ira | cluster_3 | 23 | 3000000 | 6 | 2 | 3.650 | 75 |
| 30 | 30 | Aya | cluster_3 | 30 | 3000000 | 2 | 2 | 3.630 | 77 |
| 4 | 4 | Aan | cluster_4 | 4 | 7500000 | 1 | 2 | 3 | 60 |
| 13 | 13 | Mey | cluster_4 | 13 | 8000000 | 2 | 2 | 3.300 | 68 |
| 26 | 26 | Ehsan | cluster_4 | 26 | 7500000 | 3 | 2 | 3.150 | 67 |


Views:
Design
Results
Turbo Prep
Auto Model
Find data, operators...etc
All Studio
Result History
SVD (SVD)
ExampleSet (Clustering)
ExampleSet (SVD)
ExampleSet (//Local Repository/quizuji)
ExampleSet (//Local Repository/DataQuizTanah)
Cluster Model (Clustering)
ExampleSet (//Local Repository/quizcluster)
ExampleSet (//Local Repository/quizclustering)
Description
Folder View
Graph
Centroid Table
Plot
Cluster Model
Cluster 0: 6 items
Cluster 1: 12 items
Cluster 2: 1 items
Cluster 3: 8 items
Cluster 4: 3 items
Total number of items: 30

# Fuzzy C-Means




| Row No. | cluster | No | Pendapatan ... | Jumlah Tan... | Pekerjaan O... | IPK | Nilai Wawan... |
|---|---|---|---|---|---|---|---|
| 1 | cluster_0 | 15.582 | 3852579.865 | 2.680 | 1.993 | 3.427 | 70.731 |
| 2 | cluster_1 | 13.054 | 4969751.957 | 2.312 | 2.000 | 3.338 | 67.962 |
| 3 | cluster_2 | 16.699 | 1141225.742 | 2.970 | 1.140 | 3.752 | 85.465 |
| 4 | cluster_3 | 16.062 | 8077893.882 | 2.000 | 2.000 | 3.175 | 66.009 |
| 5 | cluster_4 | 15.690 | 2875576.523 | 3.397 | 1.838 | 3.587 | 77.868 |