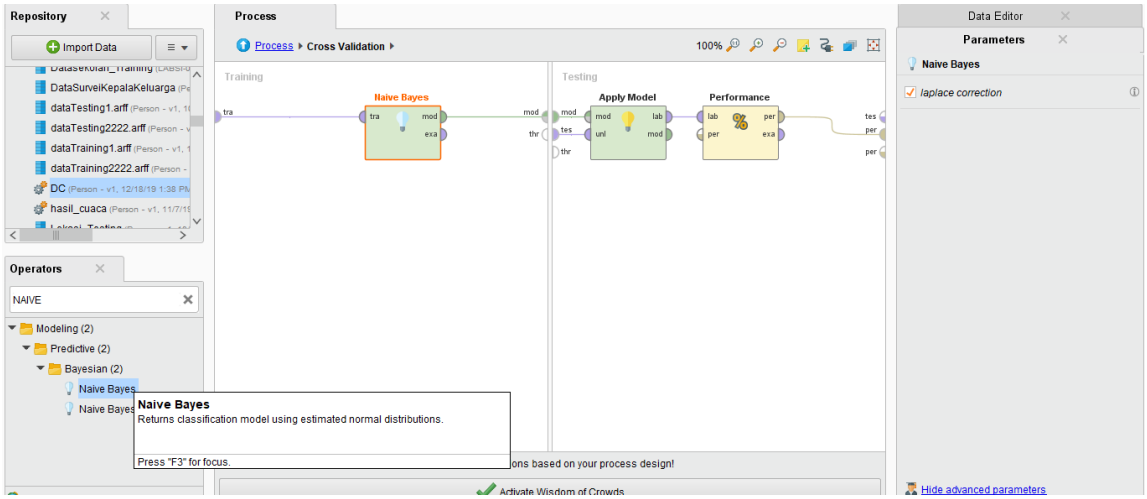
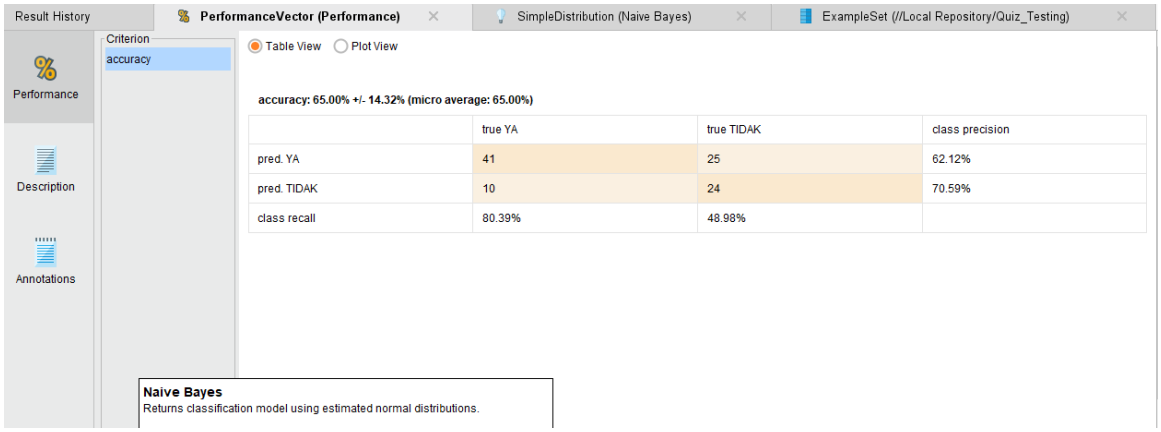
Muhibah Fata Tika
L200170156
Quiz Praktikum Dwdm

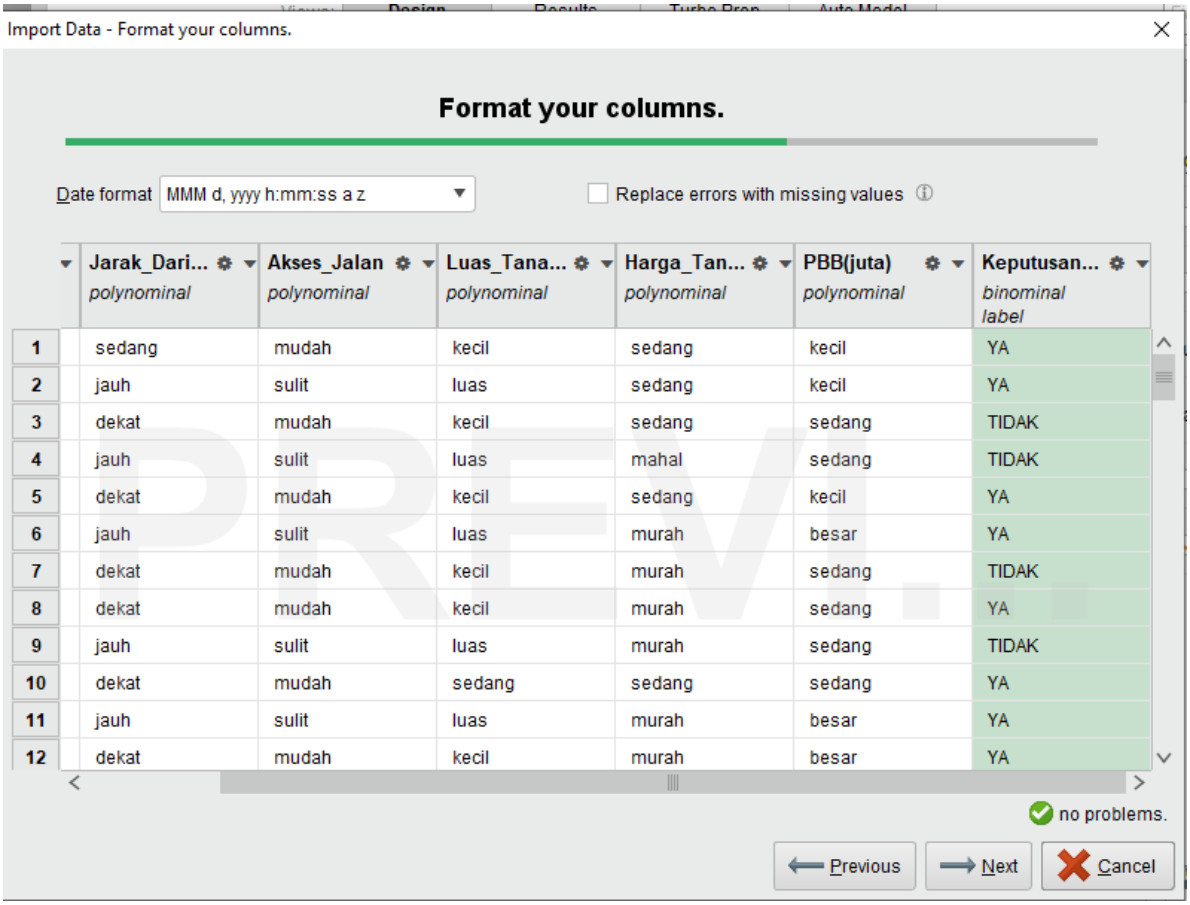
1. Naïve Bayes
   - Design

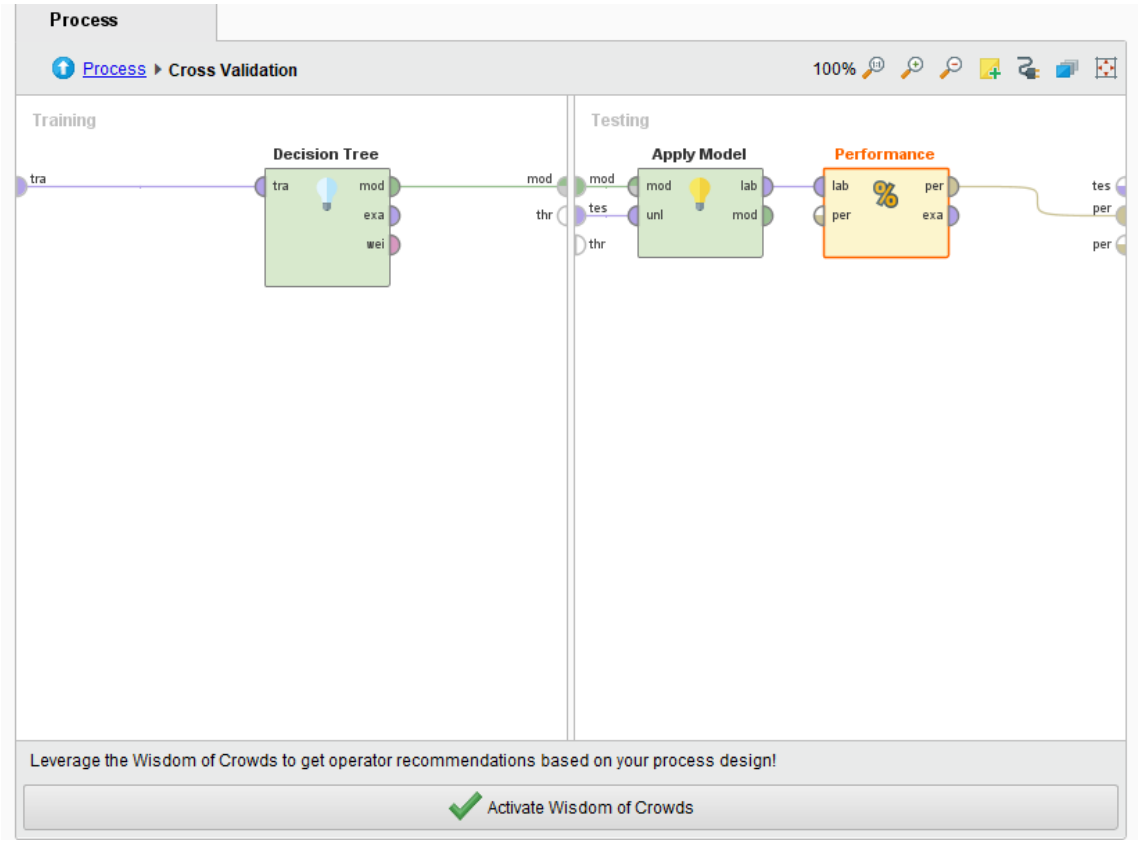


Hasil Naïve Bayes : (65%)

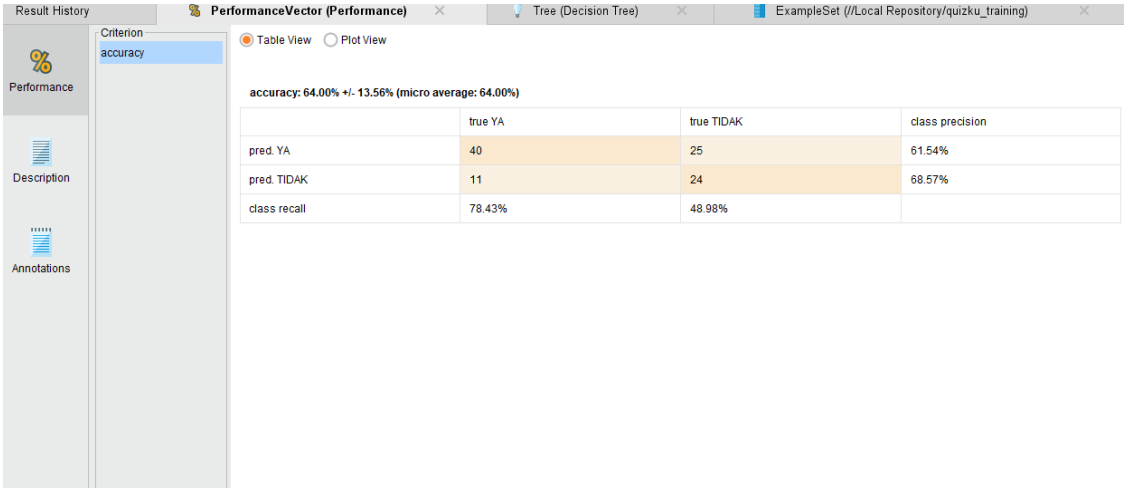


2. Decision Tree
   - Deisgn


Import Data - Format your columns.
Format your columns.
Date format MMM d, yyyy h:mm:ss a z
Replace errors with missing values
Jarak_Dari... polynominal
Akses_Jalan polynominal
Luas_Tana... polynominal
Harga_Tan... polynominal
PBB(juta) polynominal
Keputusan... binominal label
1 sedang mudah kecil sedang kecil YA
2 jauh sulit luas sedang kecil YA
3 dekat mudah kecil sedang sedang TIDAK
4 jauh sulit luas mahal sedang TIDAK
5 dekat mudah kecil sedang kecil YA
6 jauh sulit luas murah besar YA
7 dekat mudah kecil murah sedang TIDAK
8 dekat mudah kecil murah sedang YA
9 jauh sulit luas murah sedang TIDAK
10 dekat mudah sedang sedang sedang YA
11 jauh sulit luas murah besar YA
12 dekat mudah kecil murah besar YA
no problems.
Previous
Next
Cancel

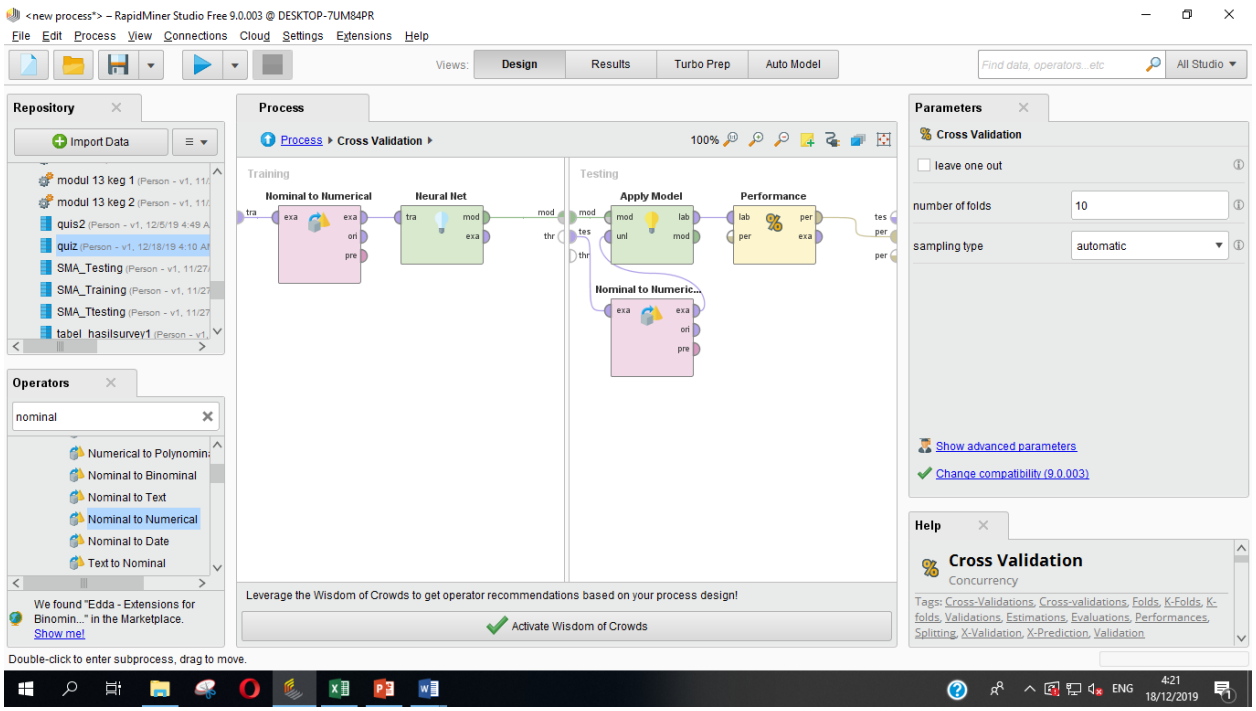


Hasil Akurasi : (64%)

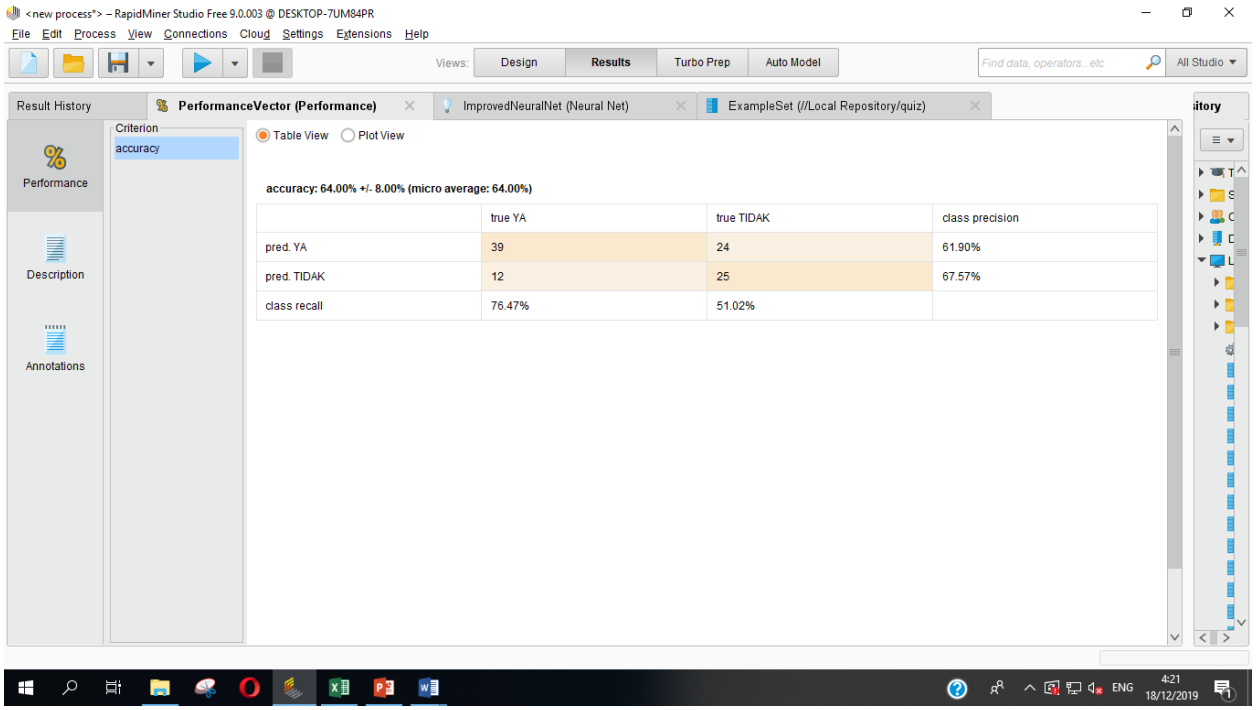


	true YA	true TIDAK	class precision
pred. YA	40	25	61.54%
pred. TIDAK	11	24	68.57%
class recall	78.43%	48.98%	

3. Neural Networks
   - Design



- Hasil Neural Networks (64%)

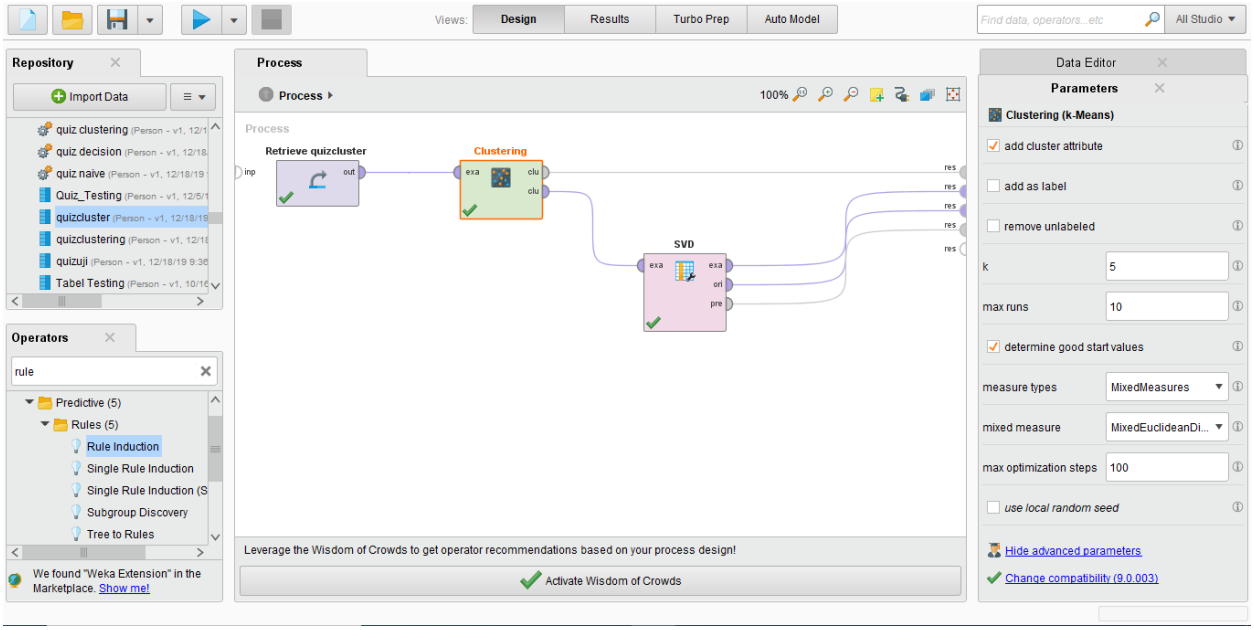


Kesimpulan :

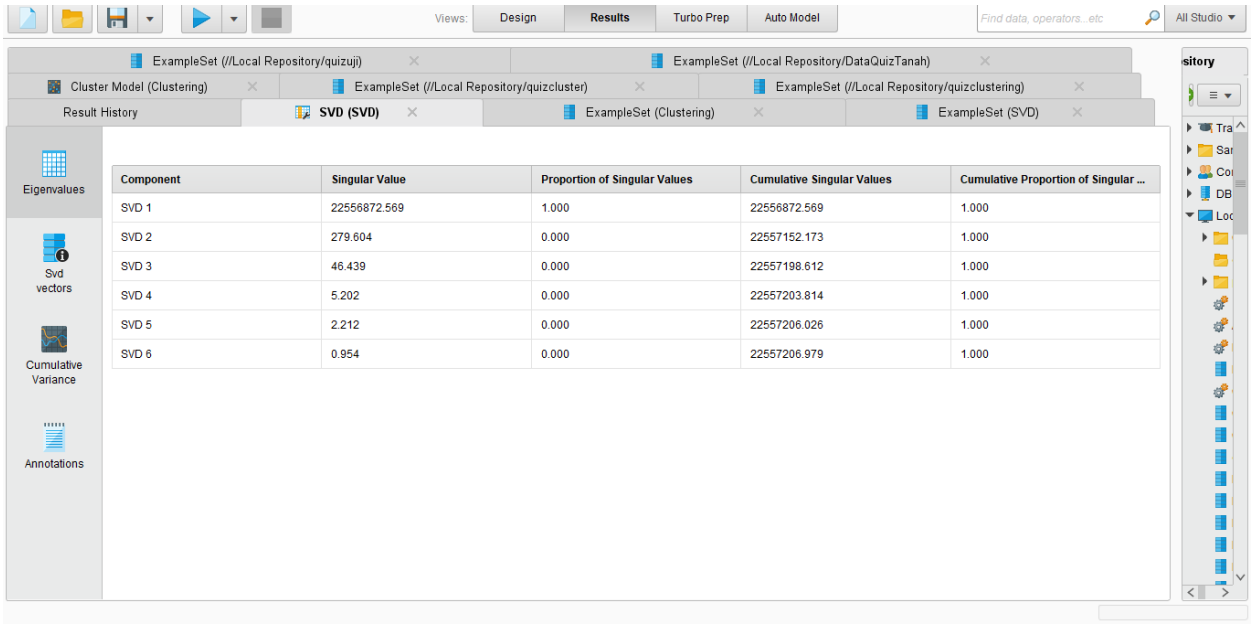
Tingkat akurasi paling tinggi yaitu 65% dengan Naïve bayes

2. **Clustering K-Means**

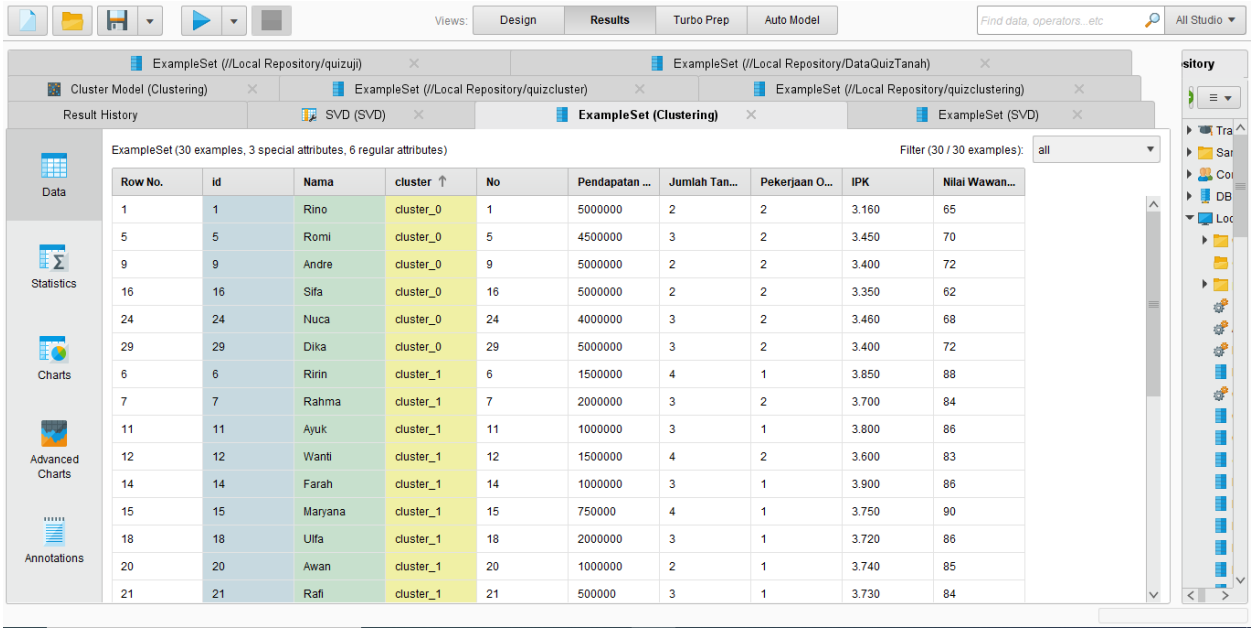
- Design



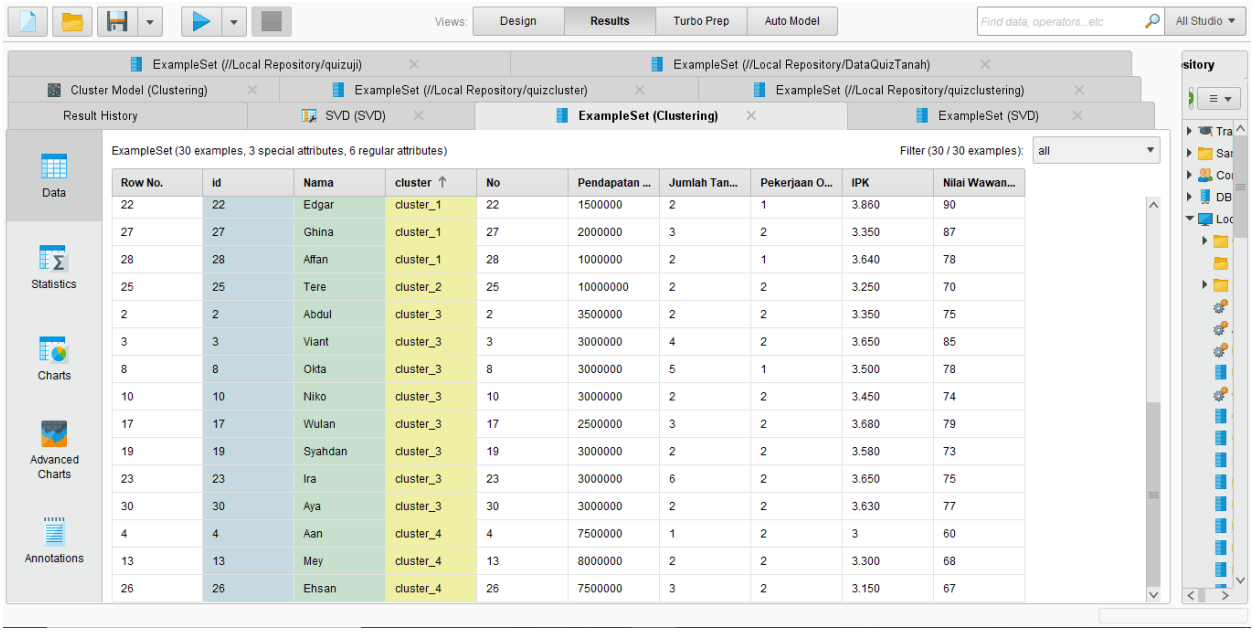
- Hasil K-Means dengan k = 5



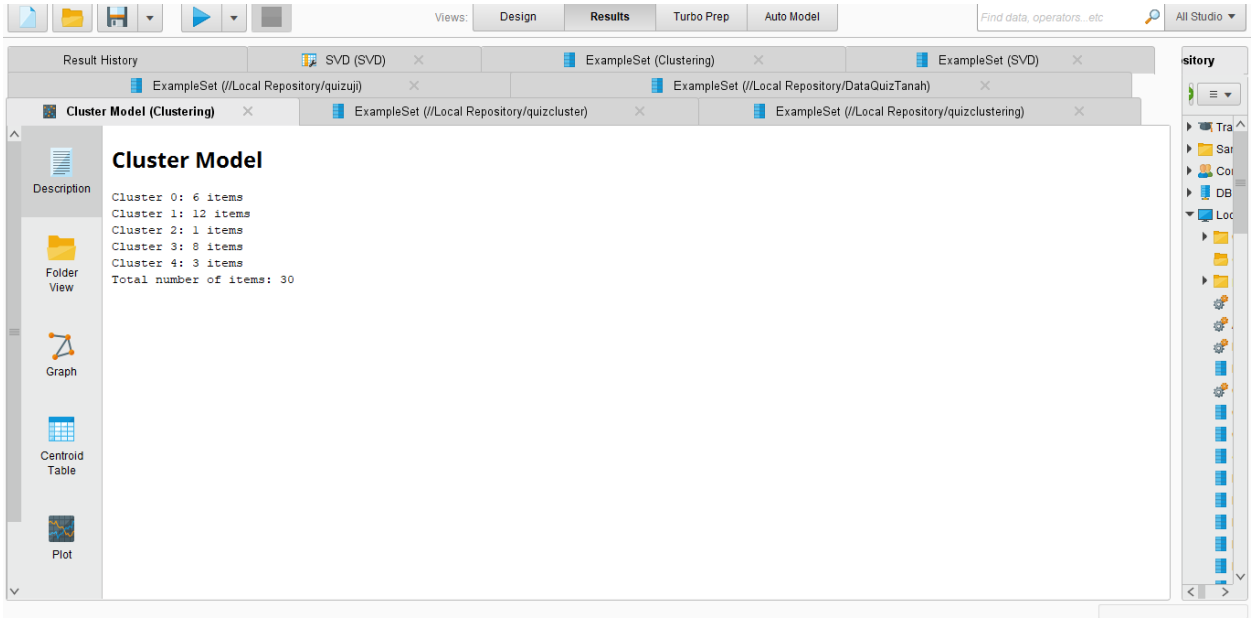
Component	Singular Value	Proportion of Singular Values	Cumulative Singular Values	Cumulative Proportion of Singular ...
SVD 1	22556872.569	1.000	22556872.569	1.000
SVD 2	279.604	0.000	22557152.173	1.000
SVD 3	46.439	0.000	22557198.612	1.000
SVD 4	5.202	0.000	22557203.814	1.000
SVD 5	2.212	0.000	22557206.026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

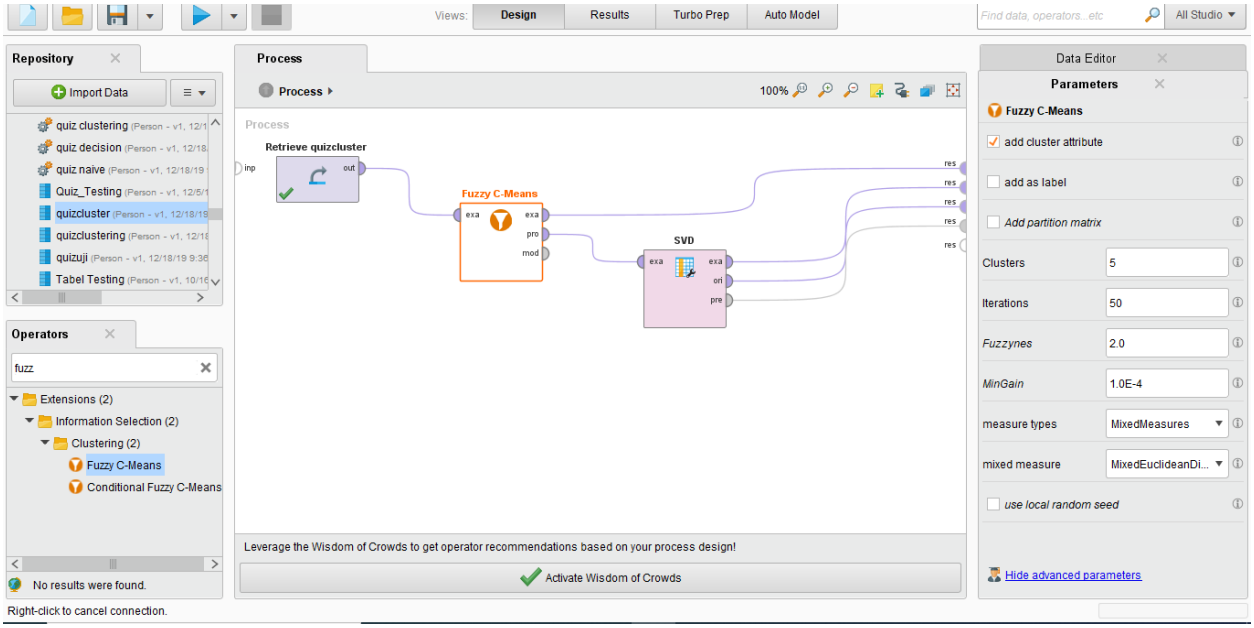


Row No.	id	Nama	cluster	No	Pendapatan ...	Jumlah Tan...	Pekerjaan O...	IPK	Nilai Wawan...
22	22	Edgar	cluster_1	22	1500000	2	1	3.860	90
27	27	Ghina	cluster_1	27	2000000	3	2	3.350	87
28	28	Affan	cluster_1	28	1000000	2	1	3.640	78
25	25	Tere	cluster_2	25	10000000	2	2	3.250	70
2	2	Abdul	cluster_3	2	3500000	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

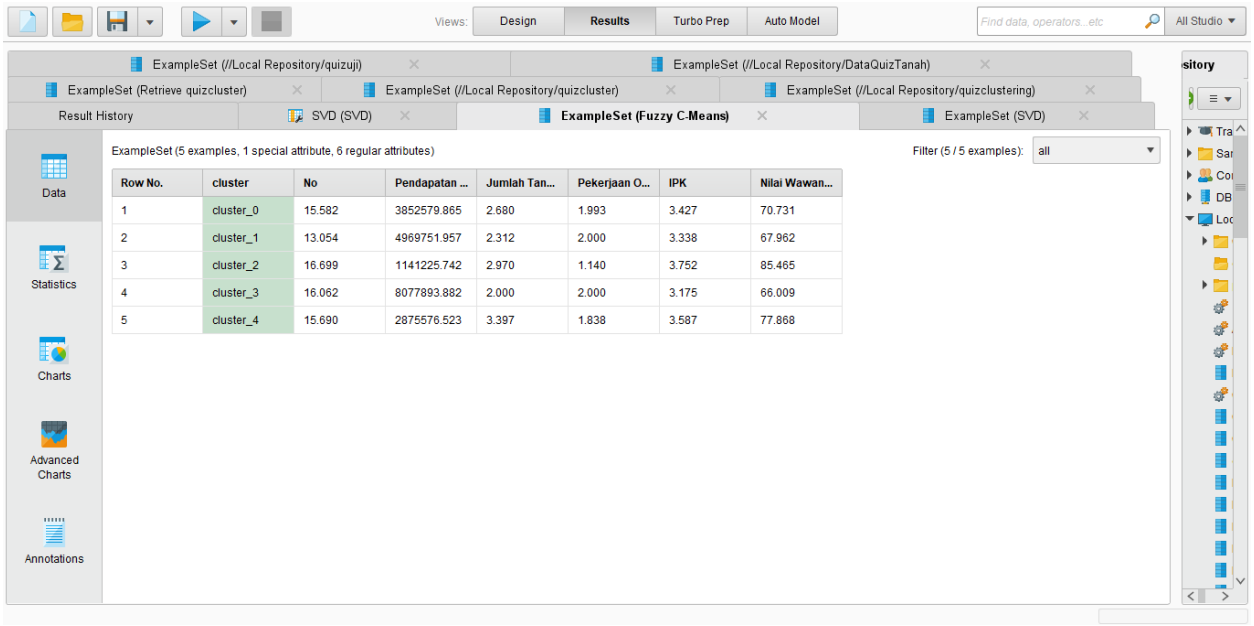

Views:
Design
Results
Turbo Prep
Auto Model
Find data, operators...etc
All Studio
Result History
SVD (SVD)
ExampleSet (Clustering)
ExampleSet (SVD)
ExampleSet (//Local Repository/quizuji)
ExampleSet (//Local Repository/DataQuizTanah)
Cluster Model (Clustering)
ExampleSet (//Local Repository/quizcluster)
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

- Design



- Hasil Fuzzy C-Means dengan Clusters = 5 (cluster 0 s/d cluster 4)



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