

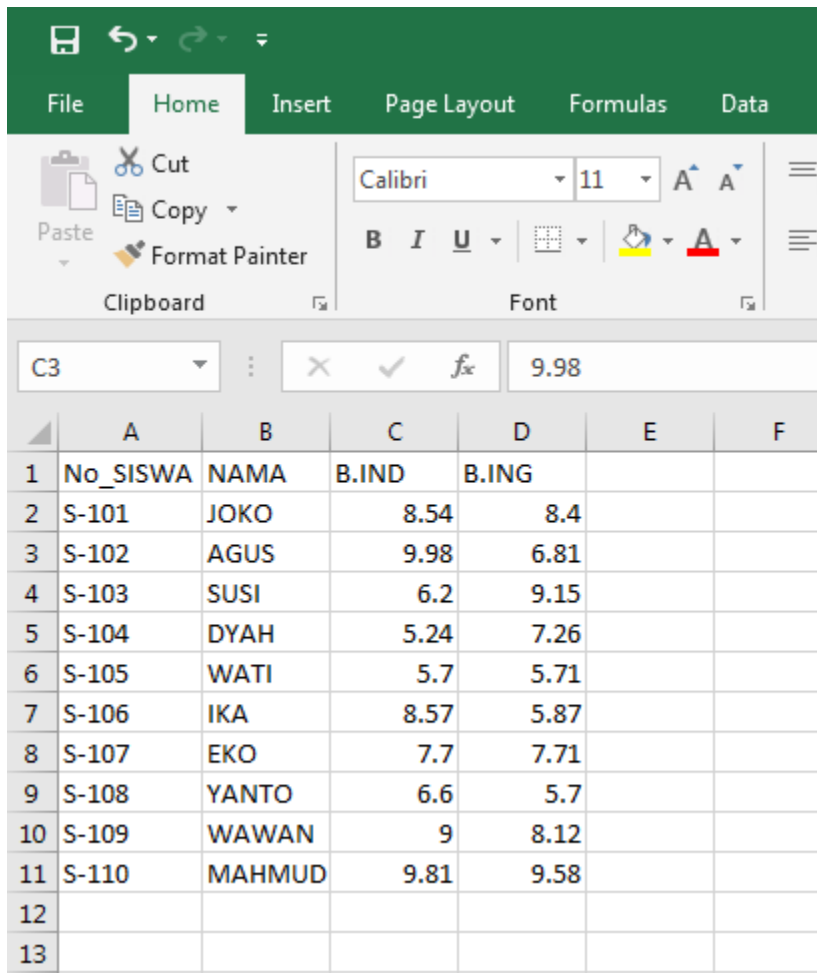
Nama : Mochammad Itmamul Wafa

NIM : L200170184

Kelas : F

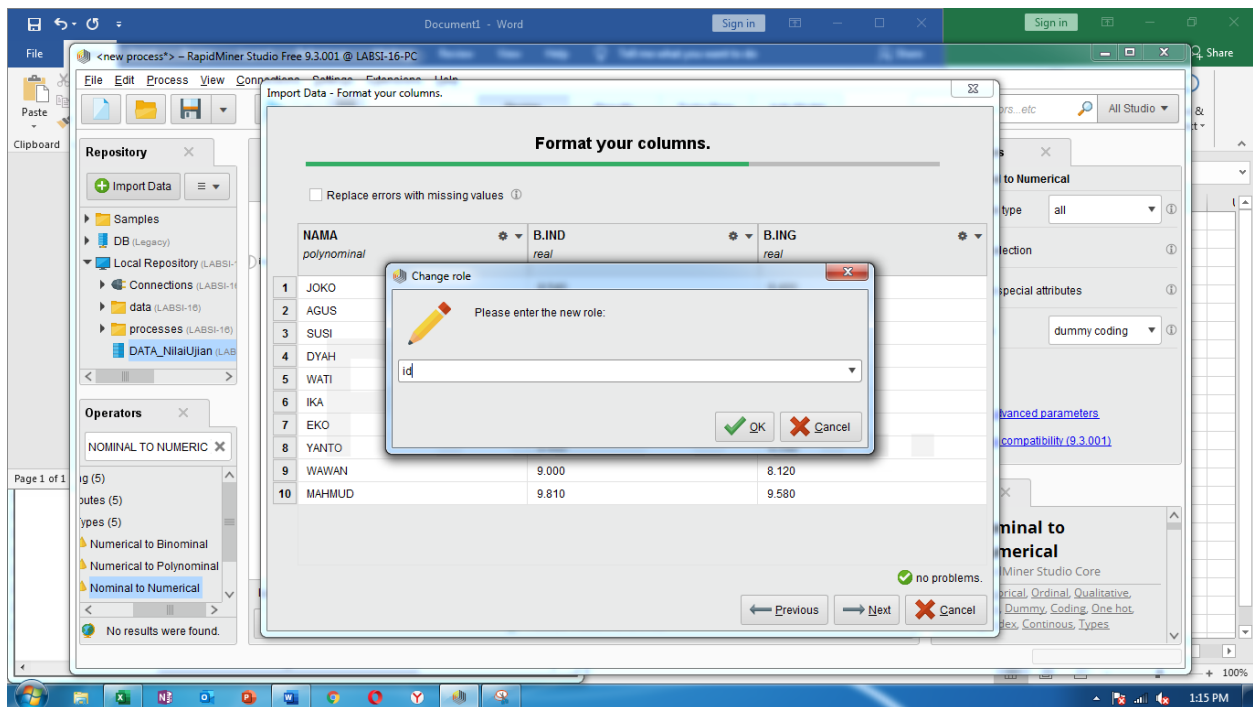
### Laporan Langkah-langkah praktikum modul10

1. Buat data dan dissave dengan nama Table\_NilaiUjian

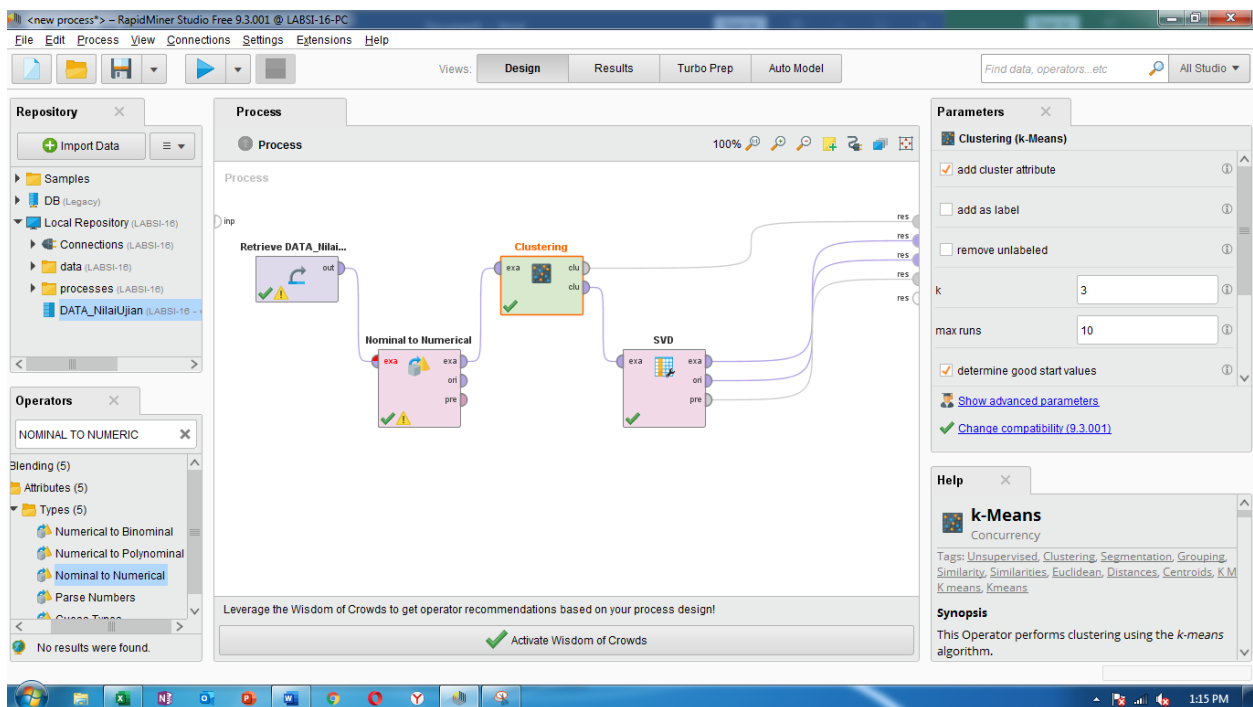


	A	B	C	D	E	F
1	No_SISWA	NAMA	B.IND	B.ING		
2	S-101	JOKO	8.54	8.4		
3	S-102	AGUS	9.98	6.81		
4	S-103	SUSI	6.2	9.15		
5	S-104	DYAH	5.24	7.26		
6	S-105	WATI	5.7	5.71		
7	S-106	IKA	8.57	5.87		
8	S-107	EKO	7.7	7.71		
9	S-108	YANTO	6.6	5.7		
10	S-109	WAWAN	9	8.12		
11	S-110	MAHMUD	9.81	9.58		
12						
13						

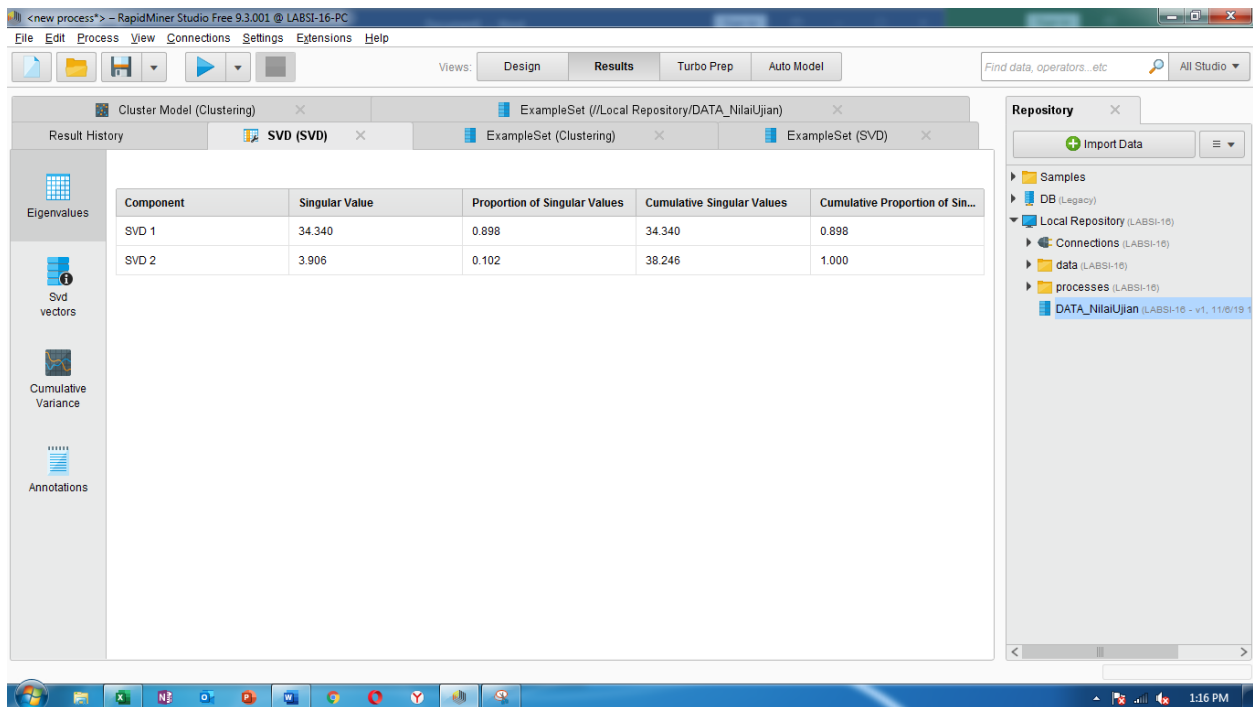
2. Buka aplikasi rapid manner lalu masukan data yang tadi dan blok antaran kolom NAMA sampai kolom B.ING. selanjutnya ubaghlah role pada Nama. Kemudian save dengan nama DATA\_NilaiUjian.



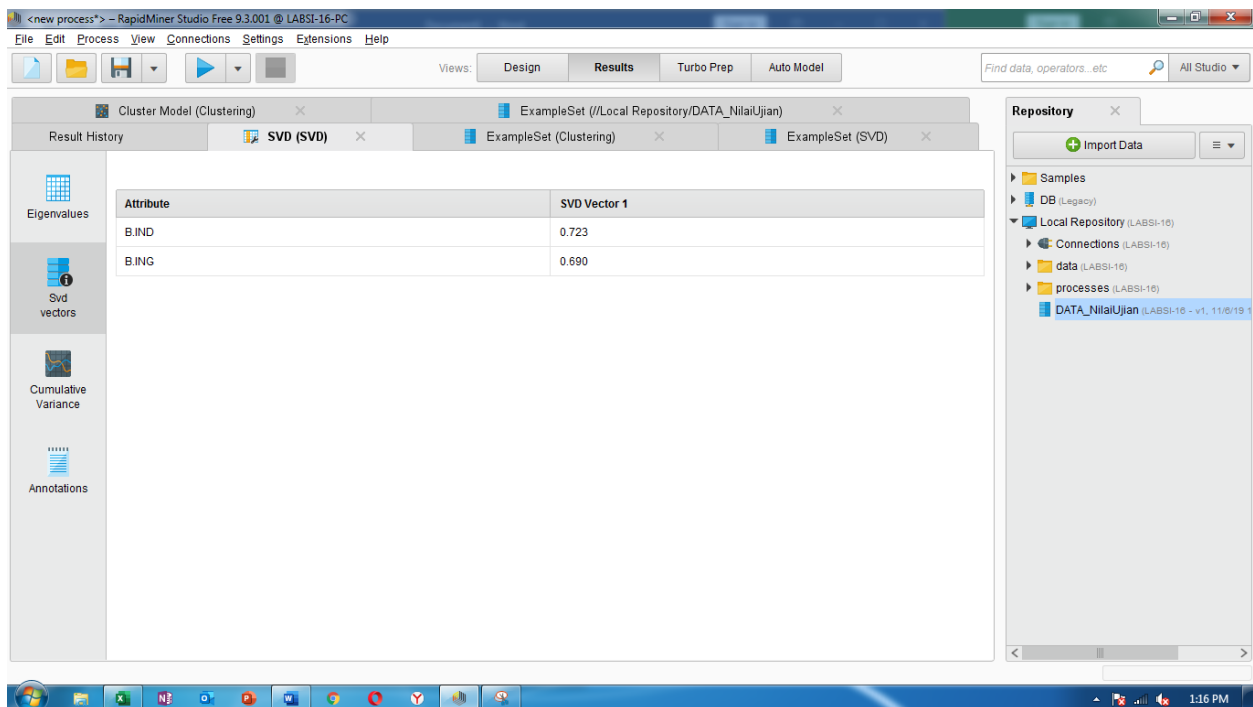
3. Tambahkan operator k-mens, SVD, sama Data\_NilaiUjian jika error bias tambahkan operator nominal to numeric. Lalu ubahlah nilai K pada operator k-mens.



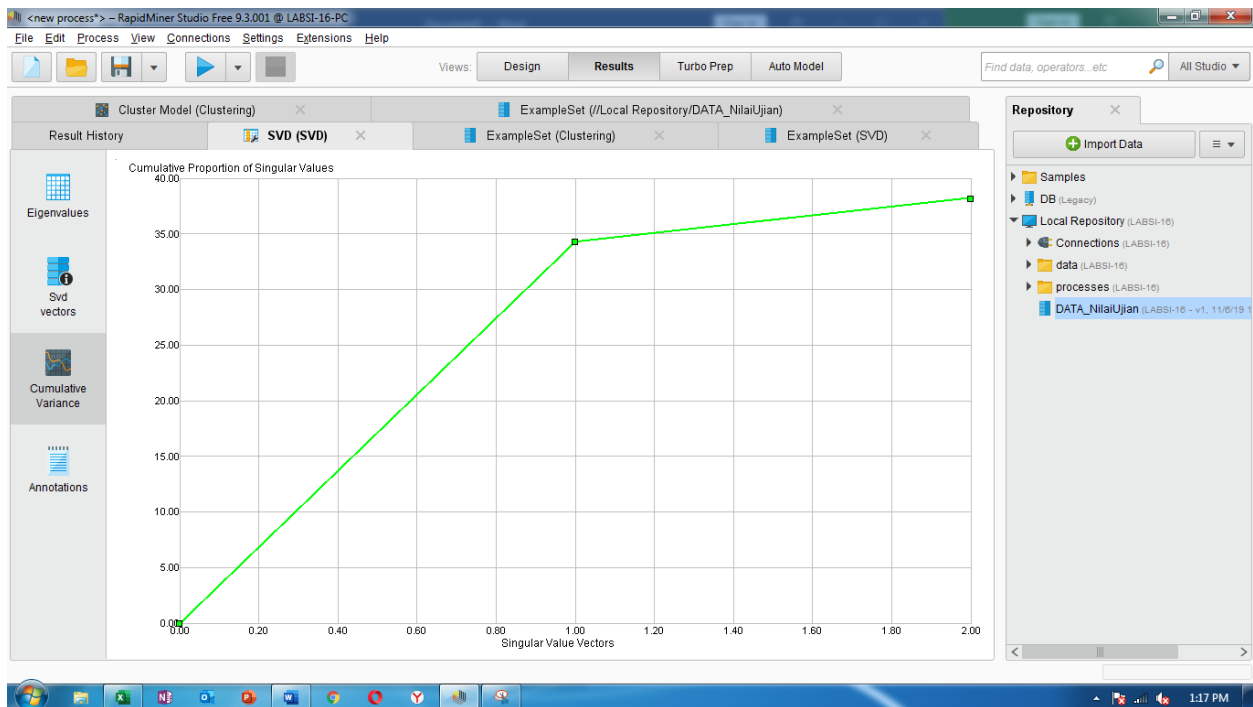
4. Hasil dari proses dengan algoritma K-Means
  - a. SVD
    - i. Nilai Eigenvalue



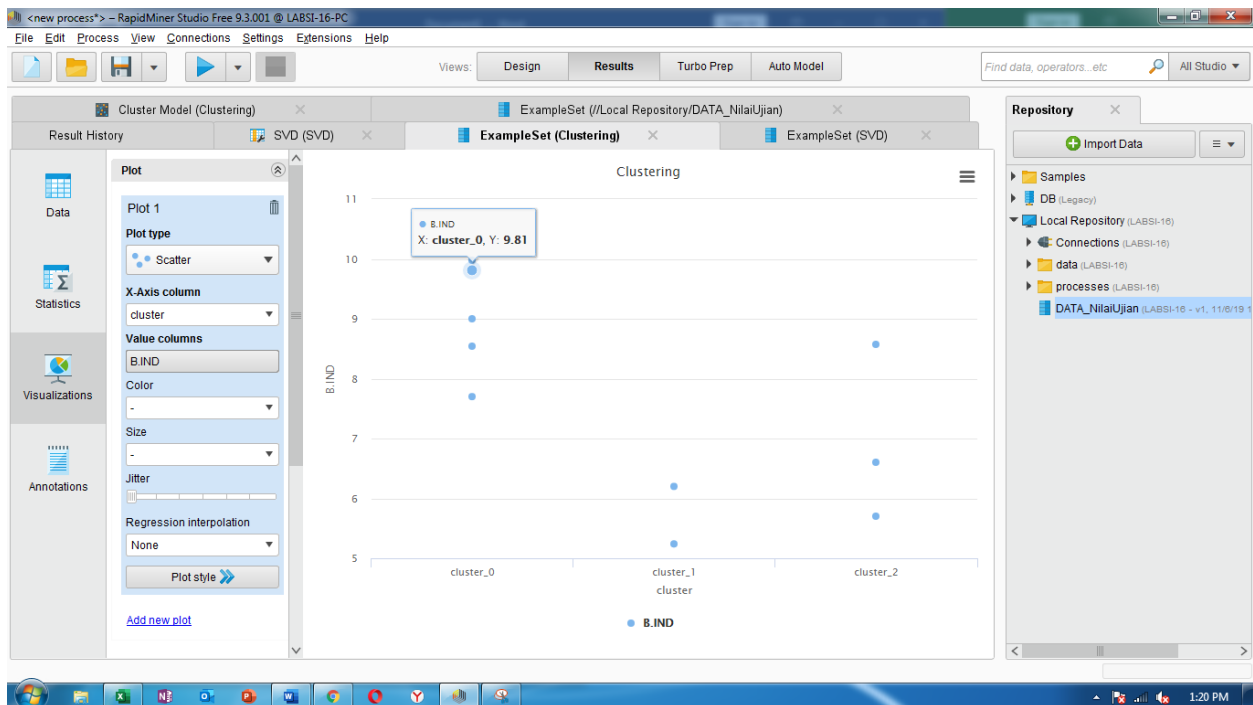
## ii. Nilai svd vectors



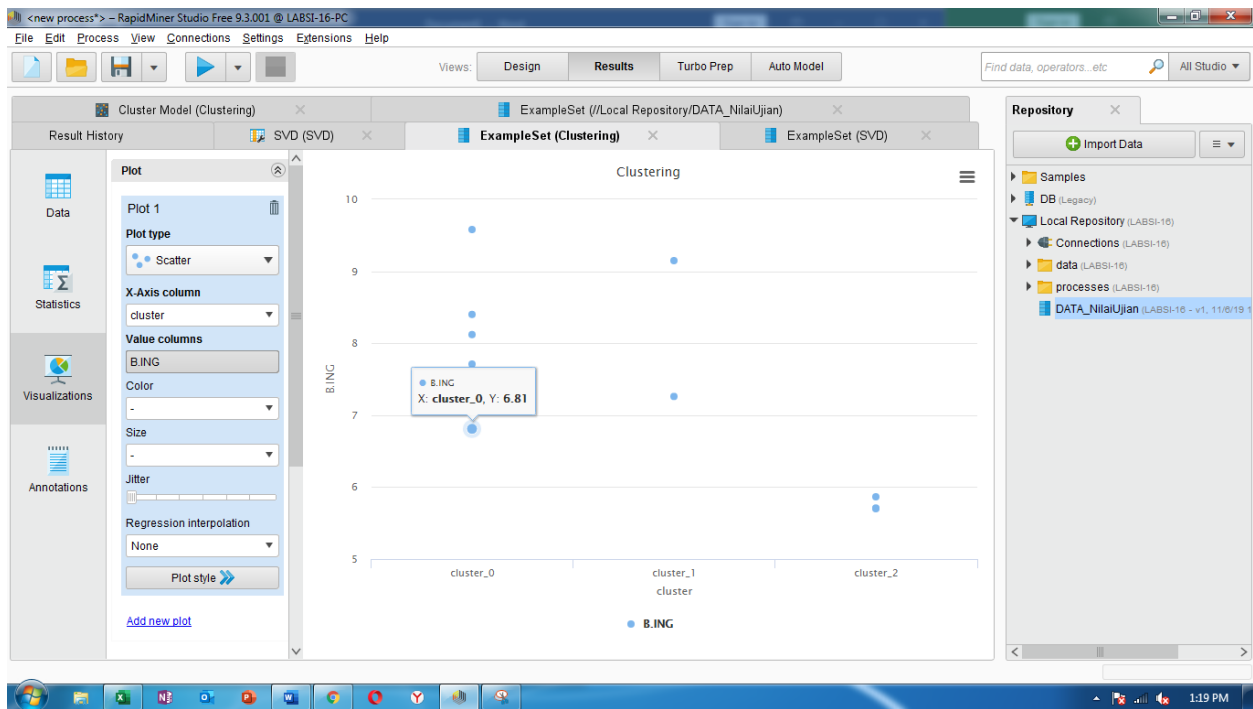
## iii. Nilai cumulative variance



b. ExampleSet (K-Means)  
i. Kelompok siswa bidang B.IND



ii. Kelompok siswa bidang B.ING



### c. ExampleSet(SVD)

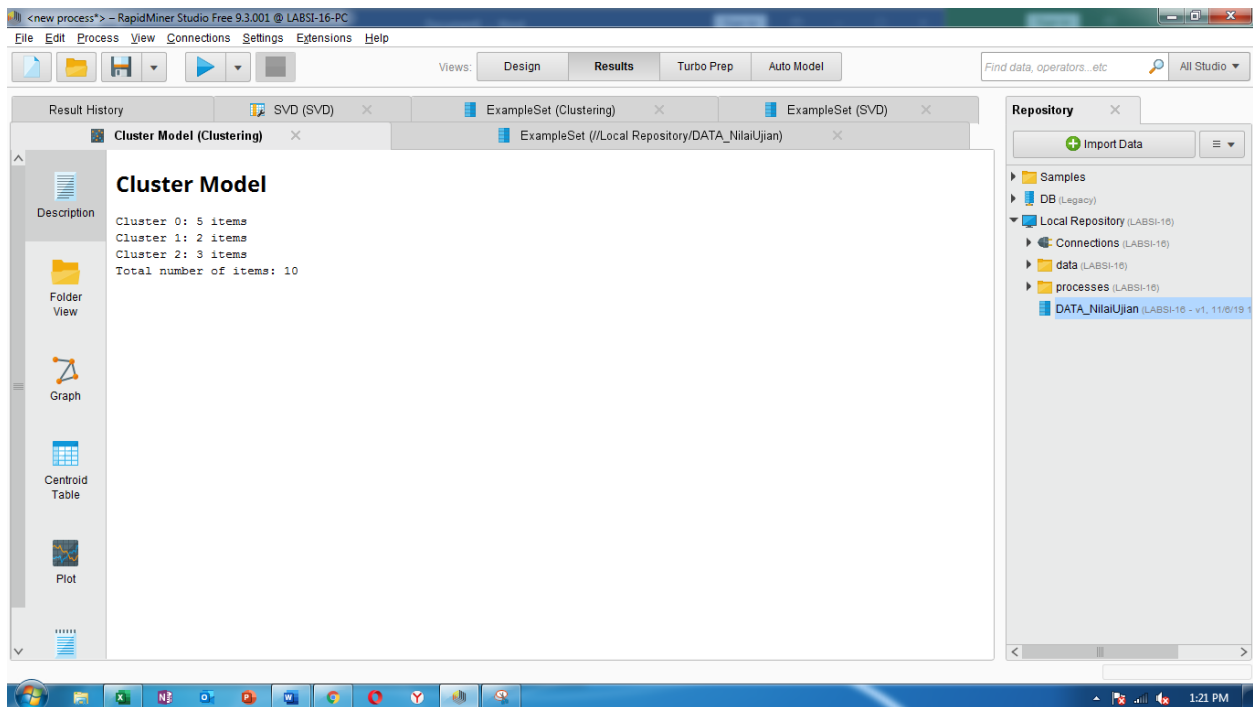
The screenshot shows the RapidMiner Studio interface. The main window displays a table titled "ExampleSet (SVD)". The table has four columns: "Row No.", "NAMA", "cluster", and "svd\_1". The data is filtered to 10 examples. The left sidebar shows the "Table" panel with "Open in" set to "Table" and "Filter (10 / 10 examples)" set to "all". The right sidebar shows the "Repository" panel with a tree view of data sources.

Row No.	NAMA	cluster	svd_1
1	JOKO	cluster_0	0.349
2	AGUS	cluster_0	0.347
3	SUSI	cluster_1	0.315
4	DYAH	cluster_1	0.256
5	WATI	cluster_2	0.235
6	IKA	cluster_2	0.299
7	EKO	cluster_0	0.317
8	YANTO	cluster_2	0.254
9	WAWAN	cluster_0	0.353
10	MAHMUD	cluster_0	0.399

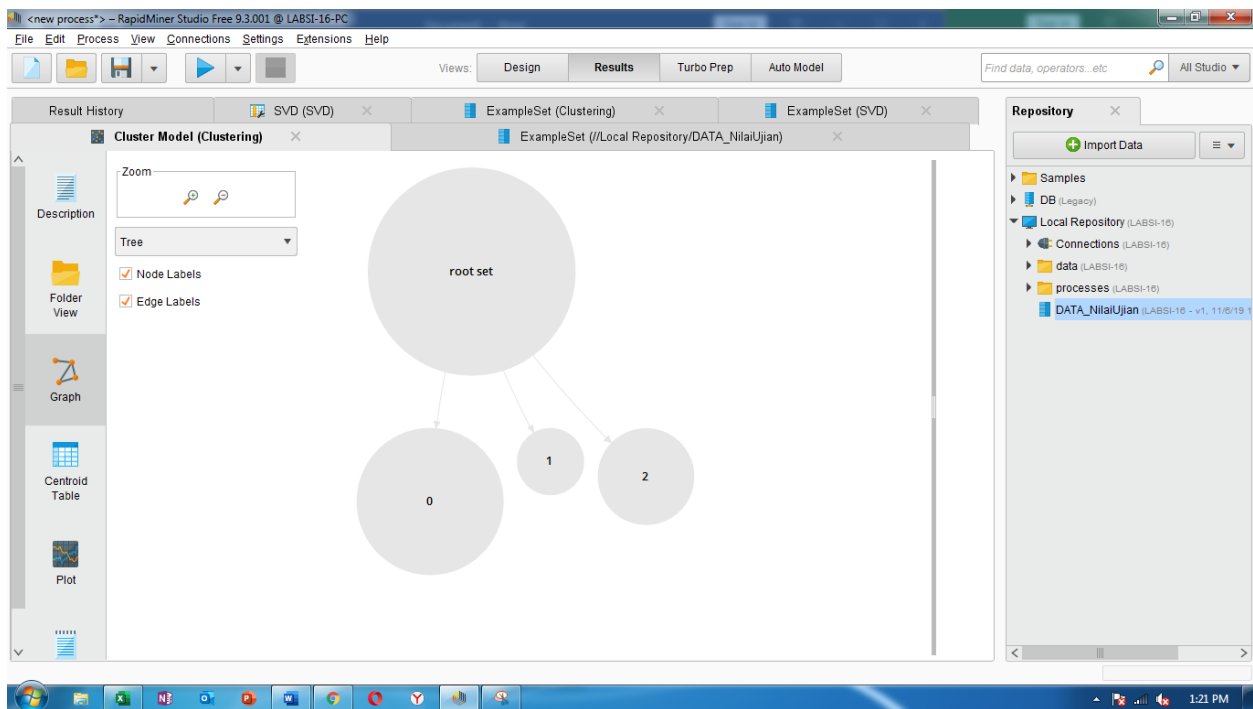
ExampleSet (10 examples, 2 special attributes, 1 regular attribute)

### d. Cluster Model (clustering)

#### i. Description



## ii. GRAPH



## 5. Interpretasi hasil algoritma K-Means

G	H	I	J	K	L
CLUSTER	NO_SISWA	NAMA	B.IND	B.ING	
0	S-101	JOKO	8.54	8.4	
0	S-103	SUSI	6.2	9.15	
0	S-107	EKO	7.7	7.71	
0	S-109	WAWAN	9	8.12	
0	S-110	MAHMUD	9.81	9.58	
1	S-104	DYAH	5.24	7.26	
1	S-105	WATI	5.7	5.71	
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