

Nama : MAJID NARENDRA

NIM : L200170063

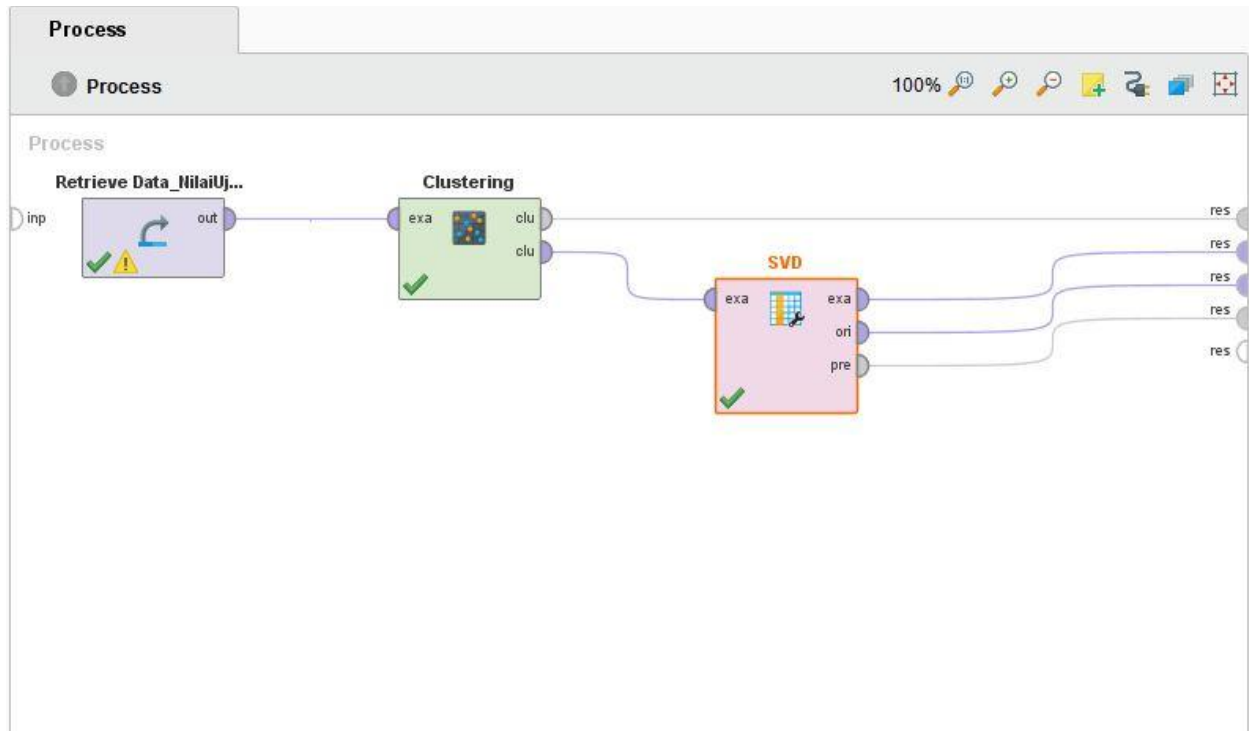
Kelas : C

## LATIHAN

Excel

	A	B	C	D
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				

## Design



a). SVD

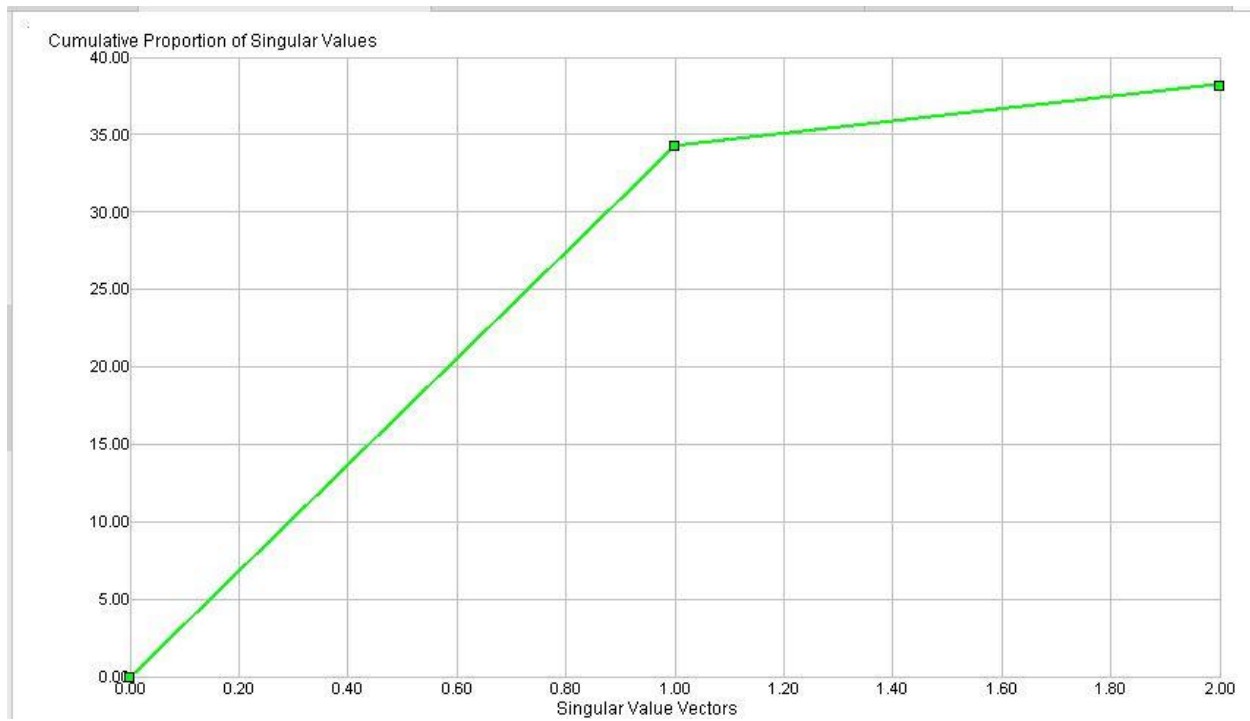
i. Nilai Eigenvalue

Component	Singular Value	Proportion of Singular V...	Cumulative Singular Val...	Cumulative Proportion o...
SVD 1	34.340	0.898	34.340	0.898
SVD 2	3.906	0.102	38.246	1.000

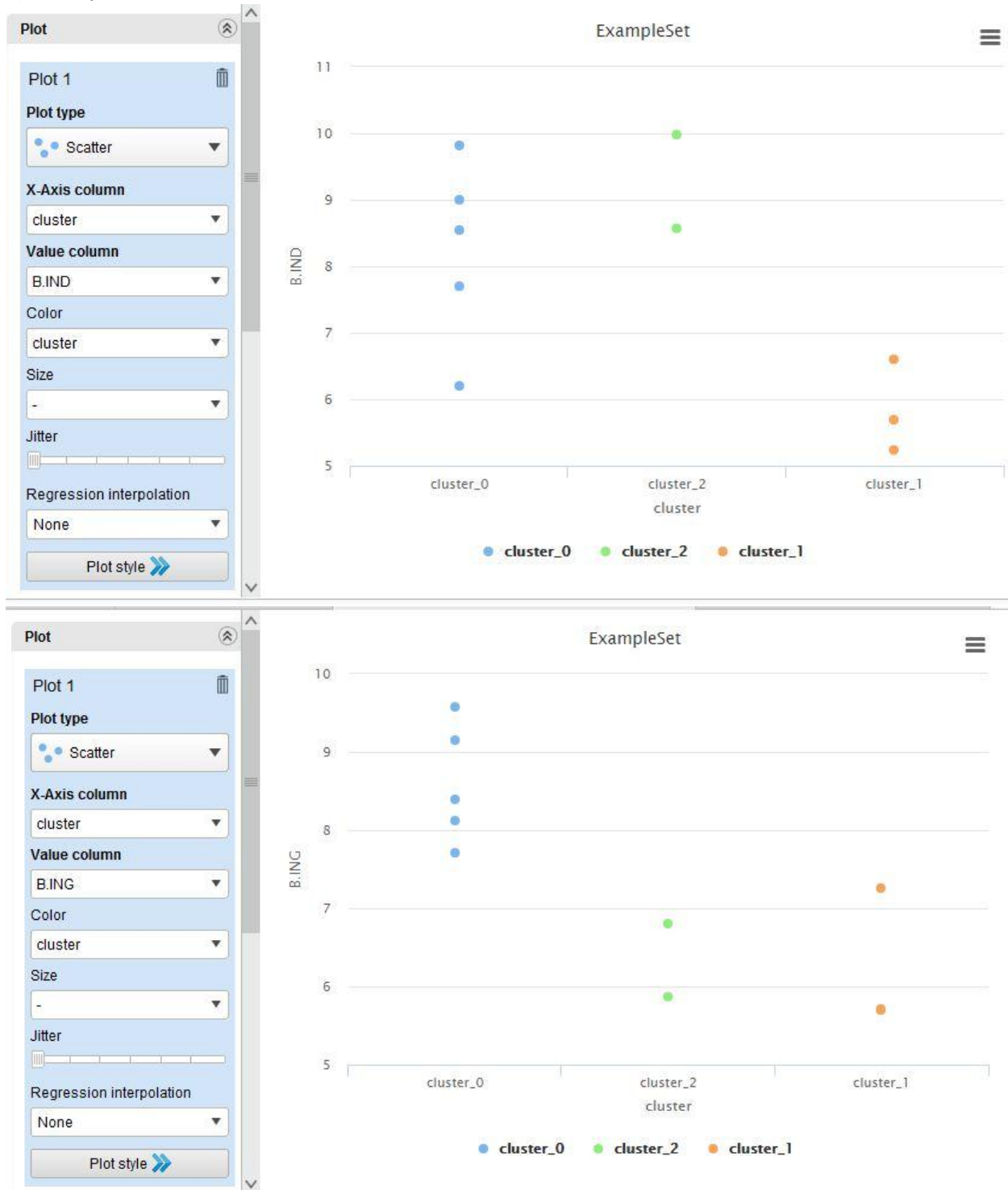
ii. Nilai Svd vector

Attribute	SVD Vector 1
B.IND	0.723
B.ING	0.690

iii. Nilai Cumulative variance



b). example set (k-means)



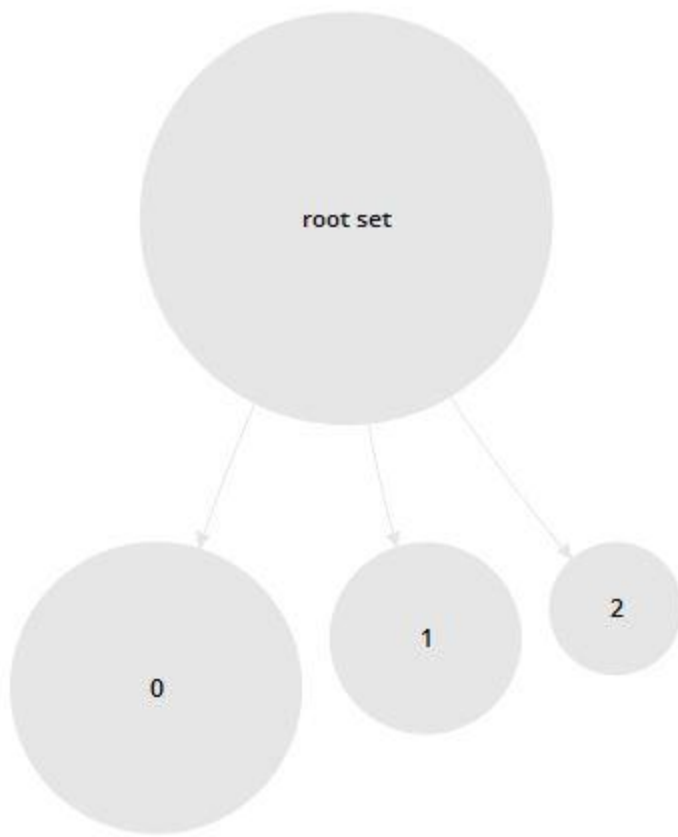
cluster model

i. Desc

## Cluster Model

```
Cluster 0: 5 items  
Cluster 1: 3 items  
Cluster 2: 2 items  
Total number of items: 10
```

ii. Graph



HASIL

Open in



Turbo Prep



Auto Model

Row No.	NAMA	cluster ↑	B.IND	B.ING
1	JOKO	cluster_0	8.540	8.400
3	SUSI	cluster_0	6.200	9.150
7	EKO	cluster_0	7.700	7.710
9	WAWAN	cluster_0	9	8.120
10	MAHMUD	cluster_0	9.810	9.580
4	DYAH	cluster_1	5.240	7.260
5	WATI	cluster_1	5.700	5.710
8	YANTO	cluster_1	6.600	5.700
2	AGUS	cluster_2	9.980	6.810
6	IKA	cluster_2	8.570	5.870



