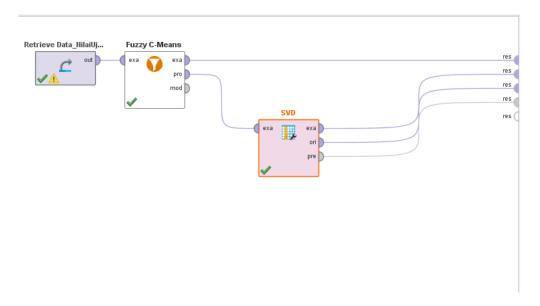
Muhibah Fata Tika L200170156 F Prak DWDM

MODUL 14 Algoritma Clustering Fuzzy C-Means

Latihan

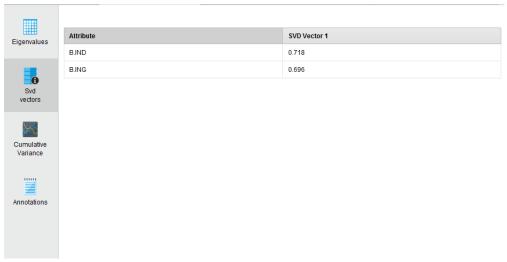
1. Memasukkan Data_NilaiUjian, Fuzzy C-Means,dan SVD ke dalam operator dan mengubungkan ke masing-masing connector.



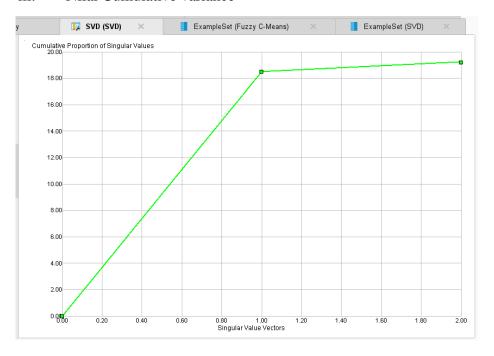
- 2. Berikut hasil proses Clustering dengan algoritma Fuzzy C-Means
 - a) SVD
 - i. Nilai Eigenvalue

Component	Singular Value	Proportion of Singular V	Cumulative Singular Val	Cumulative Proportion
SVD 1	18.509	0.962	18.509	0.962
SVD 2	0.734	0.038	19.243	1.000

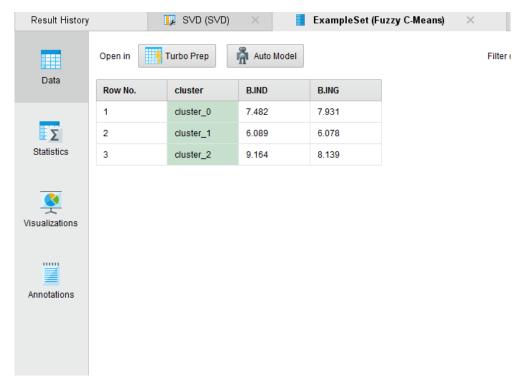
ii. Nilai Svd vectors



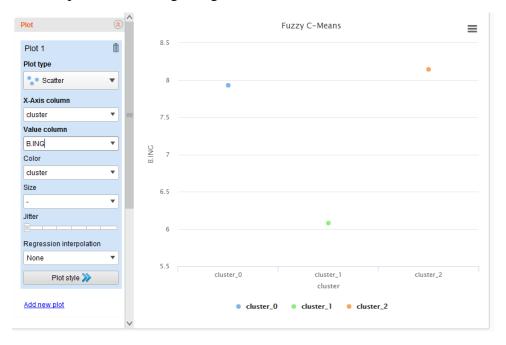
iii. Nilai Cumulative variance



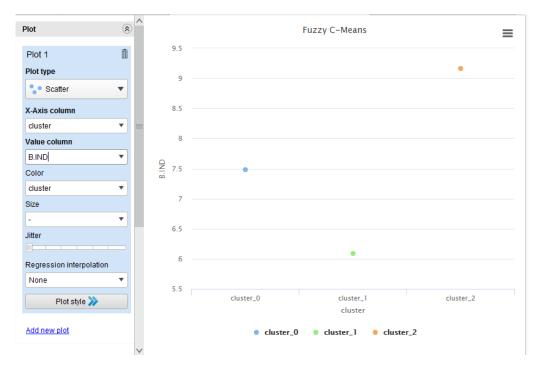
b) ExampleSet



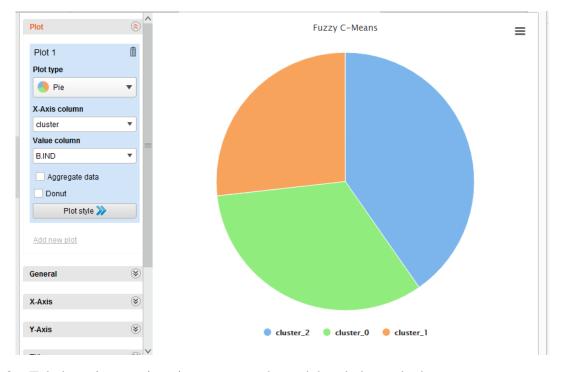
i. Kelompok siswa bidang B.Ing



ii. Kelompok siswa bidang B.indo



Dengan plotter = Pie

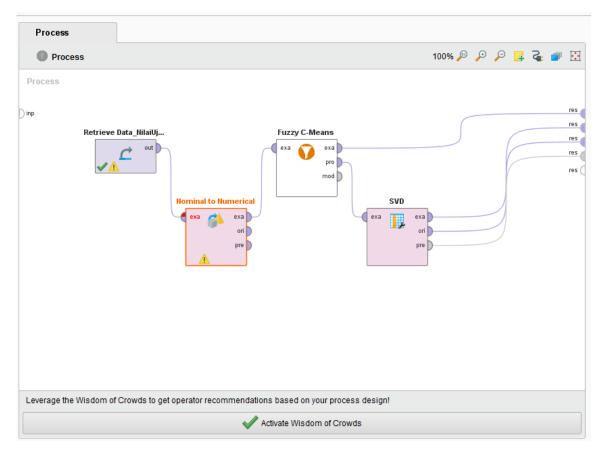


3. Tabel masing-masing siswa yang terdapat dalam kelompok cluster

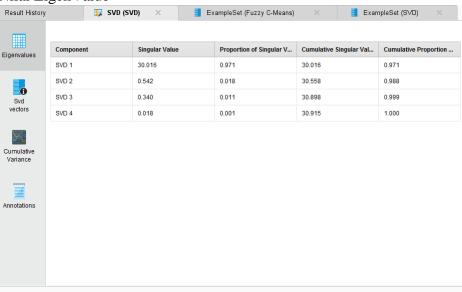
Row No.	NAMA	cluster 1
3	SUSI	cluster_0
6	IKA	cluster_0
7	EKO	cluster_0
4	DYAH	cluster_1
5	WATI	cluster_1
8	YANTO	cluster_1
1	JOKO	cluster_2
2	AGUS	cluster_2
9	WAWAN	cluster_2
10	MAHMUD	cluster_2

Tugas

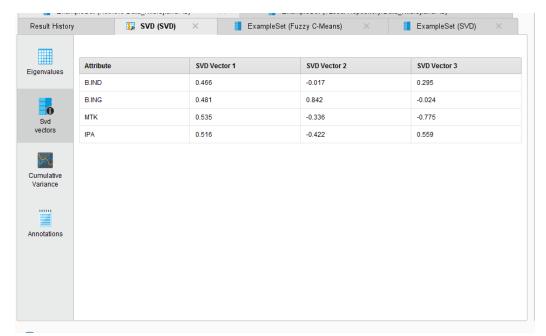
1. Memasukkan Data_NilaiUjian, Fuzzy C-Means,dan SVD ke dalam operator dan mengubungkan ke masing-masing connector.



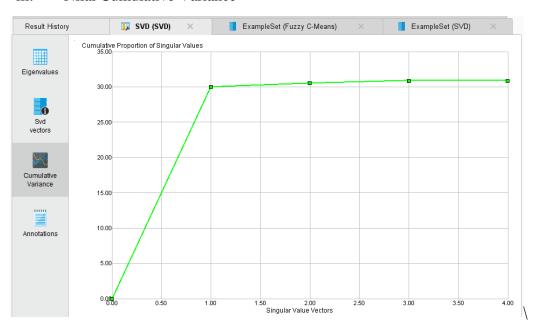
- 2. Berikut hasil proses Clustering dengan algoritma Fuzzy C-Means
- a) SVD
 - i. Nilai EigenValue



ii. Nilai Svd Vectors



iii. Nilai Cumulative Variance

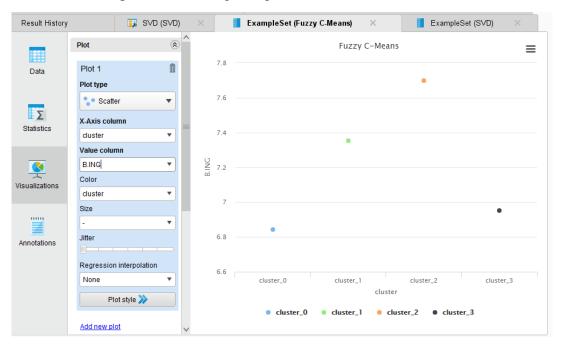


b) ExampleSet

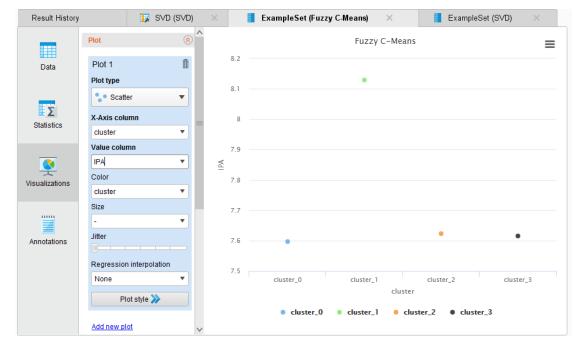
i. Kelompok siswa bidang B.Indo



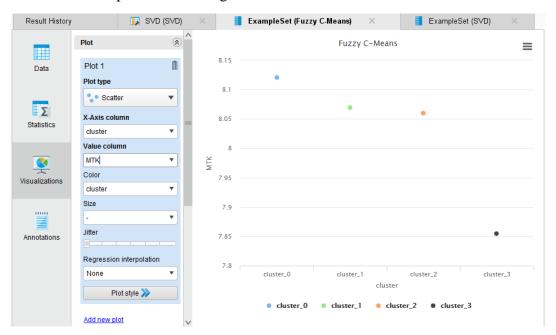
ii. Kelompok siswa bidang B.Ing



iii. Kelompok siswa bidang IPA



iv. Kelompok siswa bidang MTK



3. Tabel masing-masing siswa yang terdapat dalam kelompok cluster

Row No.	NAMA	cluster ↑	Row No.	NAMA	cluster ↑
9	WAWAN	cluster_0	20	RATIH	cluster_1
11	BUDI	cluster_0	22	JONO	cluster_1
23	SARAH	cluster_0	27	NANA	cluster_1
24	RAMA	cluster_0	1	JOKO	cluster_2
25	BAMBANG	cluster_0	6	IKA	cluster_2
26	HADI	cluster_0	10	MAHMUD	cluster_2
28	FEBRI	cluster_0	13	DIAN	cluster_2
29	DENI	cluster_0	15	AHMAD	cluster_2
30	TONI	cluster_0	16	BAYU	cluster_2
5	WATI	cluster_1	18	RANI	cluster_2
7	EKO	cluster_1	19	YANI	cluster_2
8	YANTO	cluster_1	2	AGUS	cluster_3
12	SANTI	cluster_1	3	SUSI	cluster_3
14	DANI	cluster_1	4	DYAH	cluster_3

Row No.	NAMA	cluster ↑
27	NANA	cluster_1
1	JOKO	cluster_2
6	IKA	cluster_2
10	MAHMUD	cluster_2
13	DIAN	cluster_2
15	AHMAD	cluster_2
16	BAYU	cluster_2
18	RANI	cluster_2
19	YANI	cluster_2
2	AGUS	cluster_3
3	SUSI	cluster_3
4	DYAH	cluster_3
17	RISA	cluster_3
21	INDAH	cluster_3