NAMA: Risa Ayu Agustina

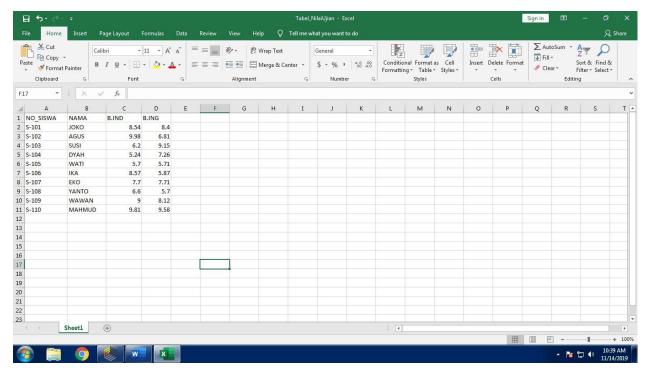
NIM : L200170049

KELAS : C

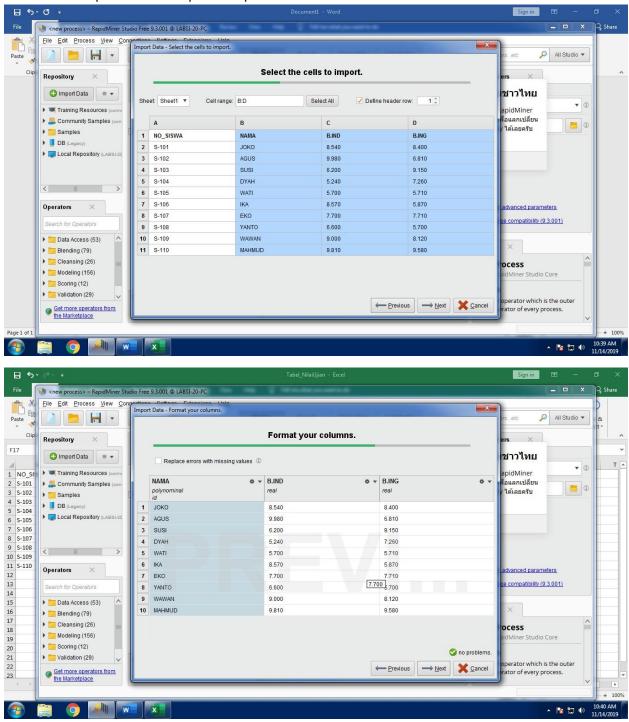
## **MODUL 10**

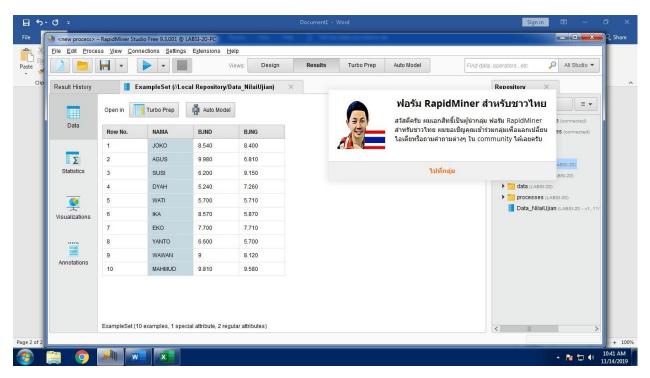
### **KEGIATAN PRAKTIKUM**

• Berikut table data nilai siswa:

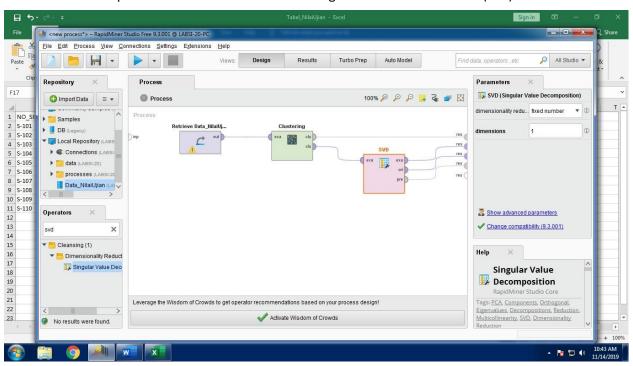


Gunakan file Tabel\_NilaiUjian.xlxs sebagai data yang akan digunakan dalam proses Clustering. Lalu import ke dalam aplikasi RapidMiner.

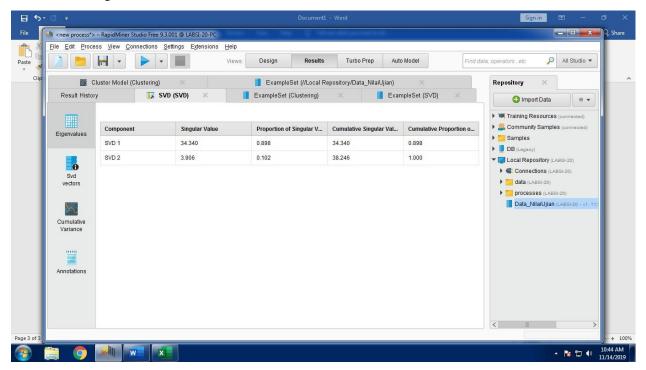




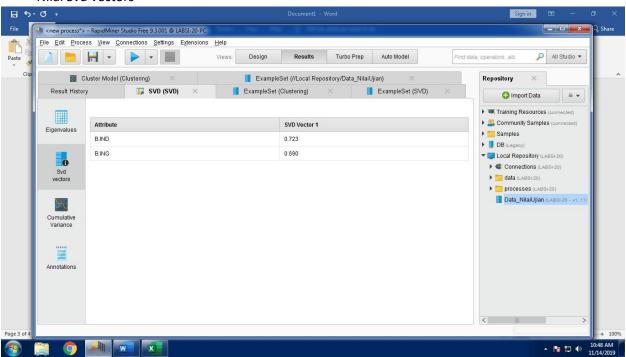
Tambahkan operator k-Means. Lalu Jalankan dengan menekan tombol run (F11)



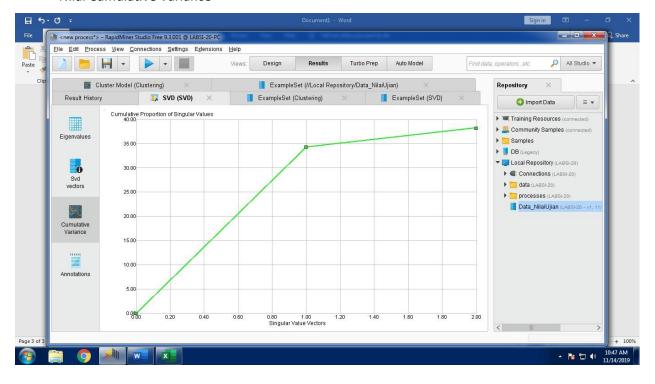
### Nilai Eingenvalue



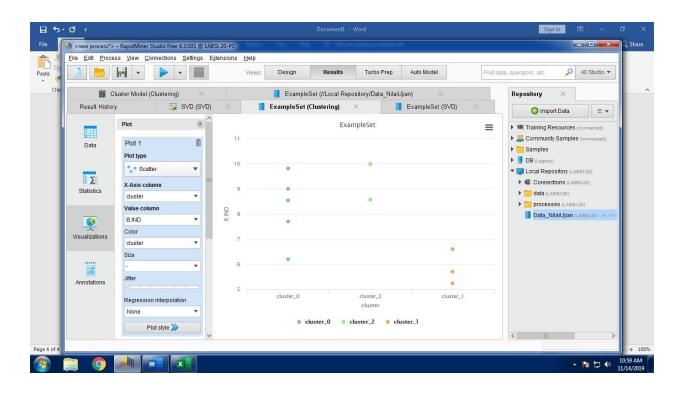
Nilai Svd vectors



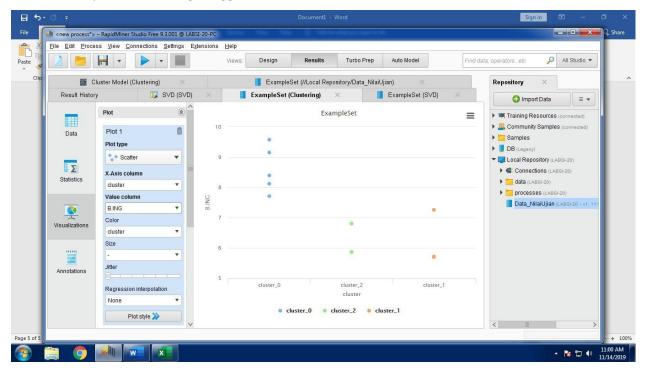
### Nilai Cumulative Variance



• Kelompok siswa bidang B.indonesia



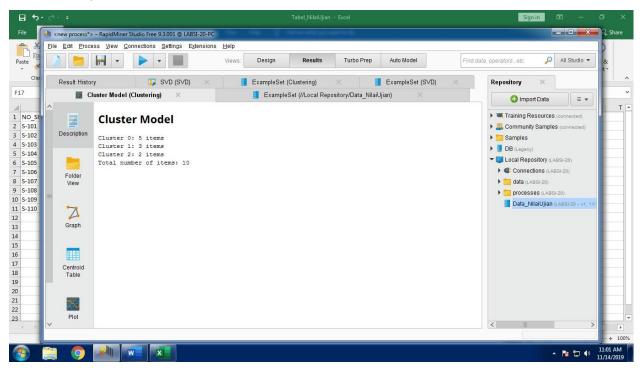
# Kelompok siswa bidang B.inggris



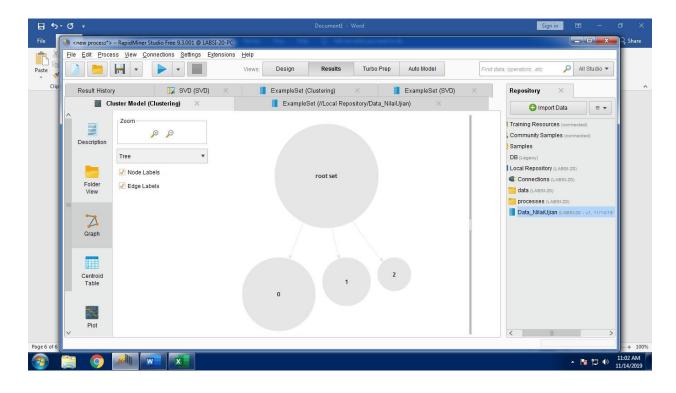
• Kelompok masing-masing siswa yang dikelompokkan bedasarkan cluster 0, cluster 1, cluster 2.

Row No.	NAMA	cluster ↑	B.INDO	B.ING
1	ЈОКО	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

## Description



• Graph



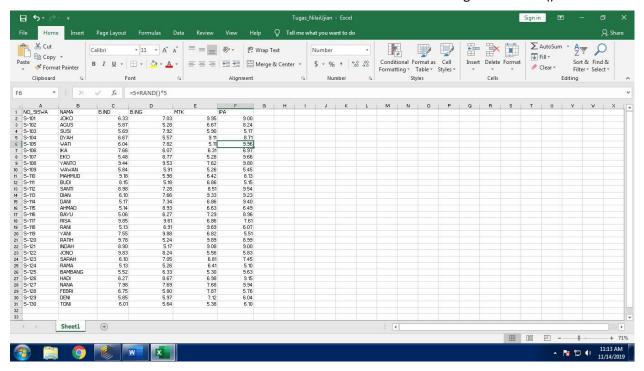
# Kesimpulan:

Row No.	NAMA	cluster ↑	B.INDO	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

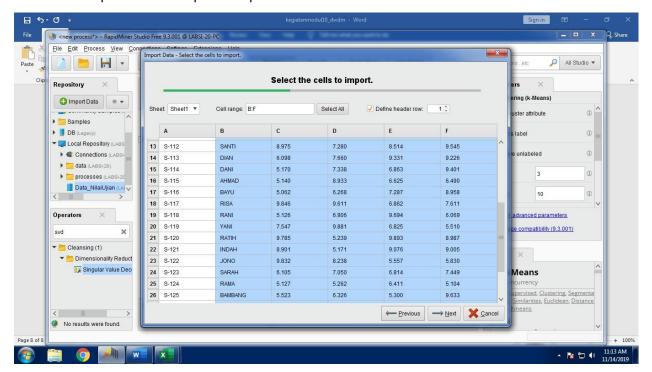
- 1. Cluster 2 yang diajukan untuk lomba olimpiade bidang B.Indonesia
- 2. Cluster 0 yang diajukan untuk lomba olimpiade bidang B.Inggris

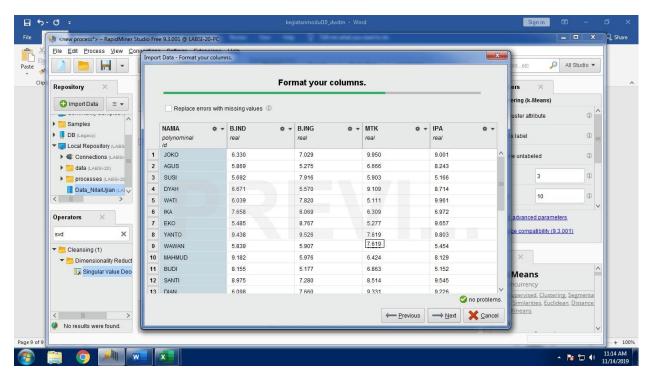
## **Tugas**

Berikut adalah table siswa dan memasukkan nilai secara random dengan =5+RAND()\*5

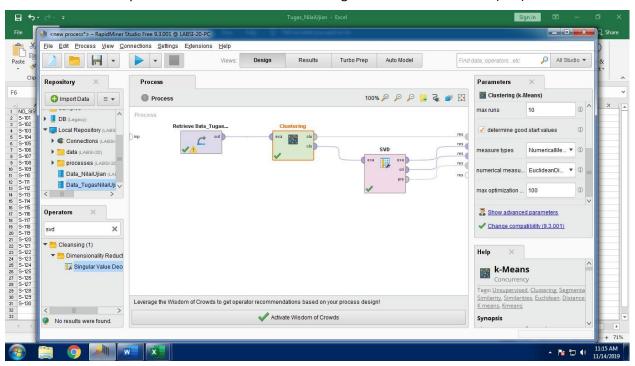


Gunakan file Tugas\_NilaiUjian.xlxs sebagai data yang akan digunakan dalam proses Clustering.
Lalu import ke dalam aplikasi RapidMiner.

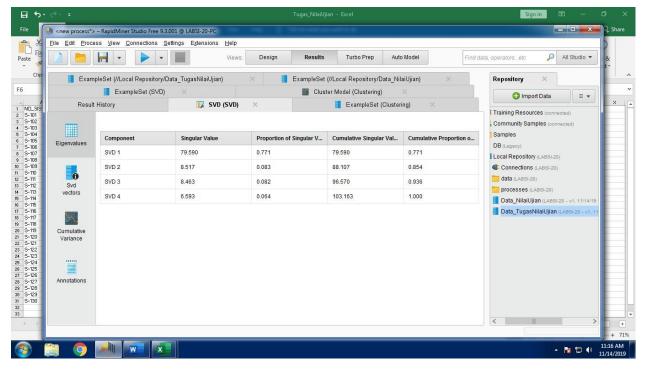




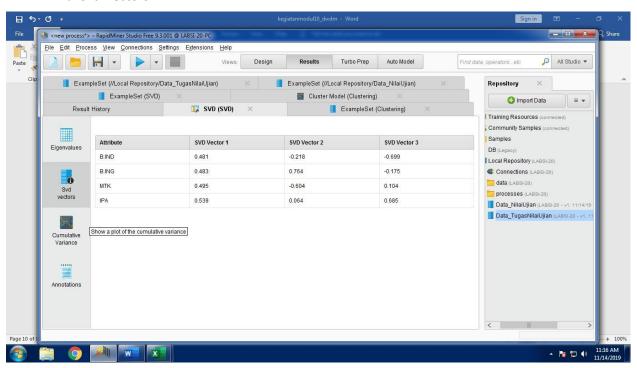
Tambahkan operator k-Means. Lalu Jalankan dengan menekan tombol run (F11)



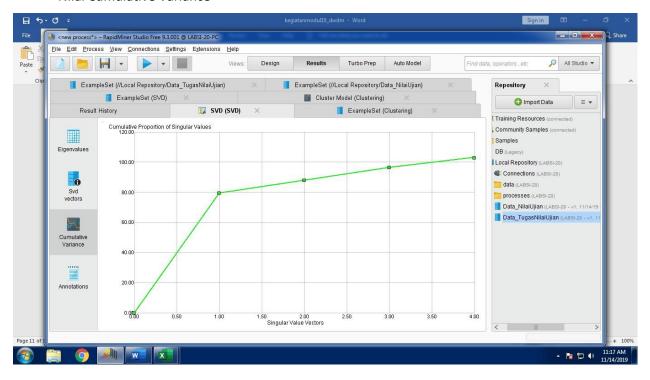
## Nilai Eigenvalue



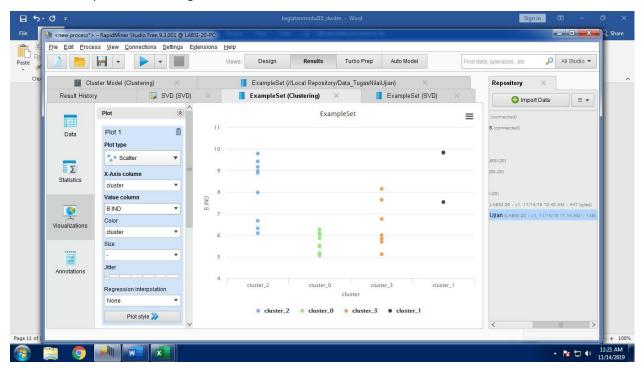
Nilai Svd Vectors



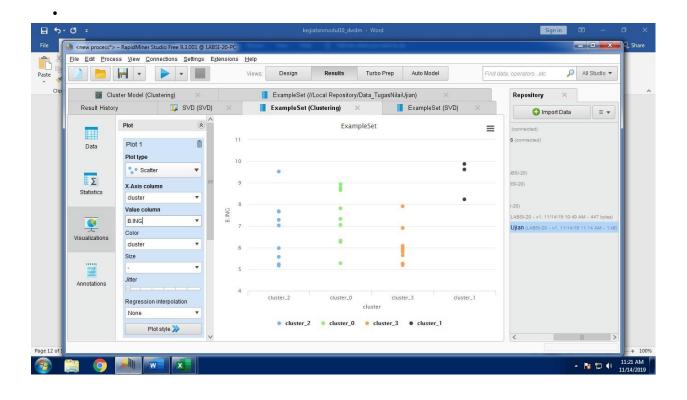
### Nilai Cumulative Variance



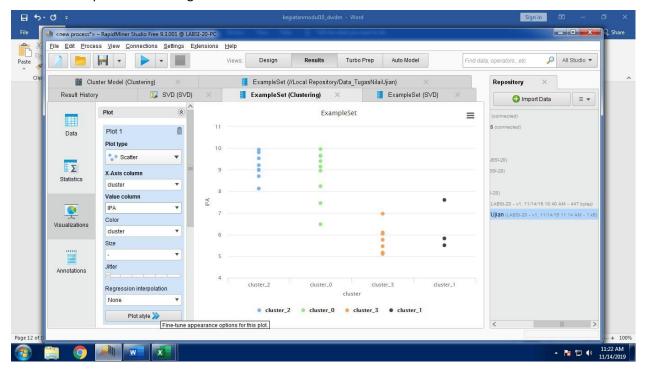
## Kelompok siswa bidang B.INDO



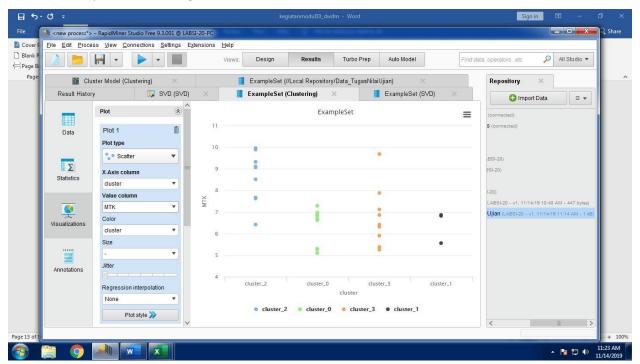
Kelompok siswa kelompok B.ING



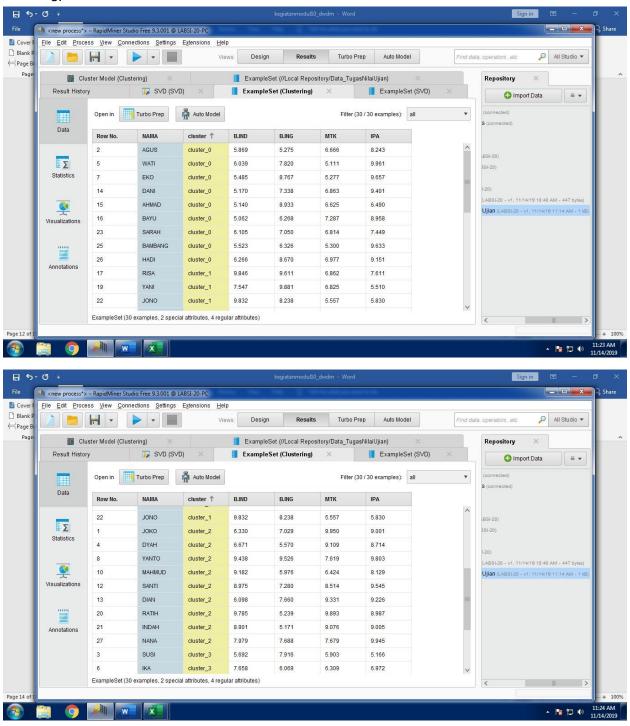
· Kelompok siswa bidang IPA

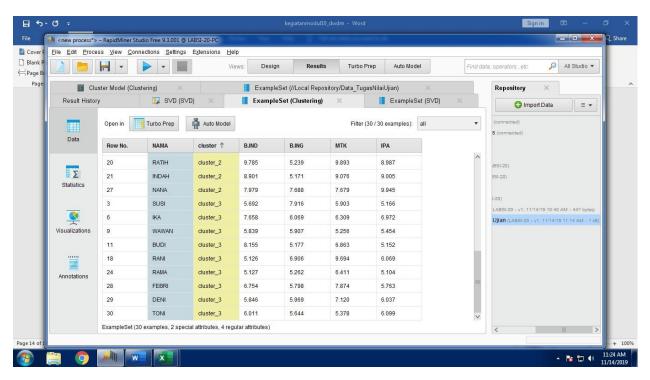


Kelompok siswa bidang MTK

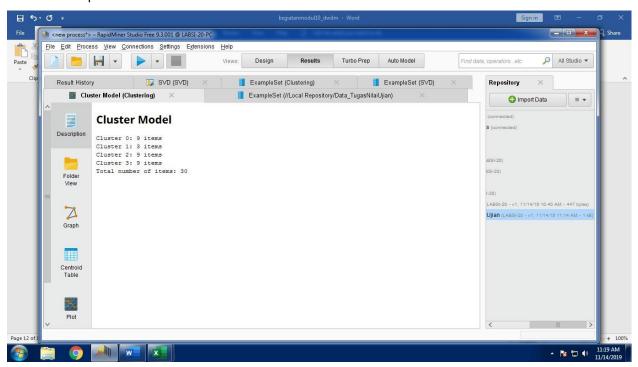


Masing-masing nama siswa yang terdapat dalam kelompok cluster 0, cluster 1, cluster 2, cluster
3.





Description



## • Graph

