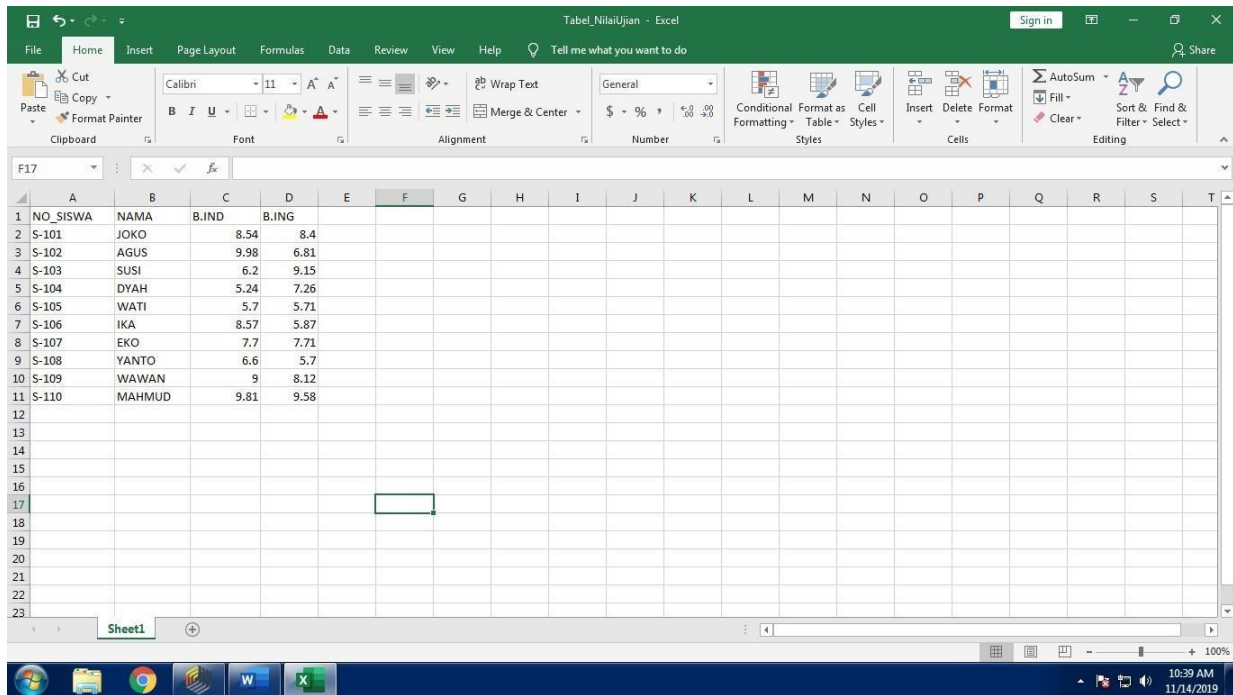


Nama : REZA MIFTAHUL RIZKI

NIM : L200170108

## KEGIATAN PRAKTIKUM

- Berikut table data nilai siswa :

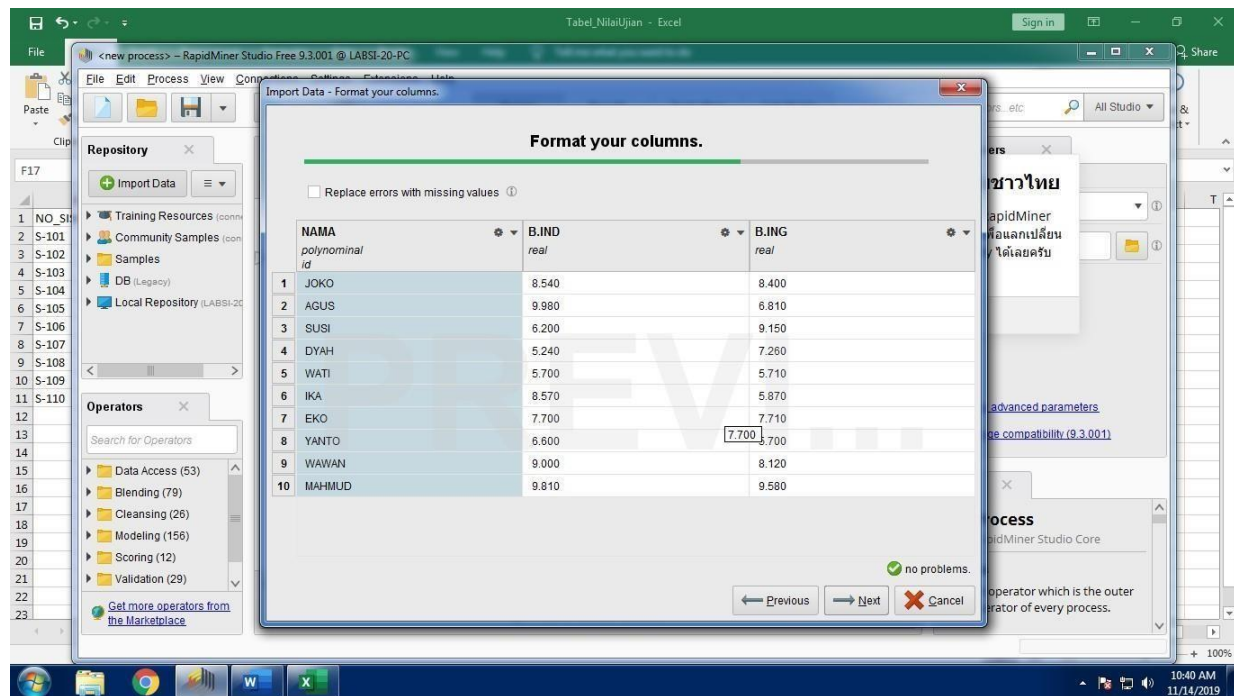
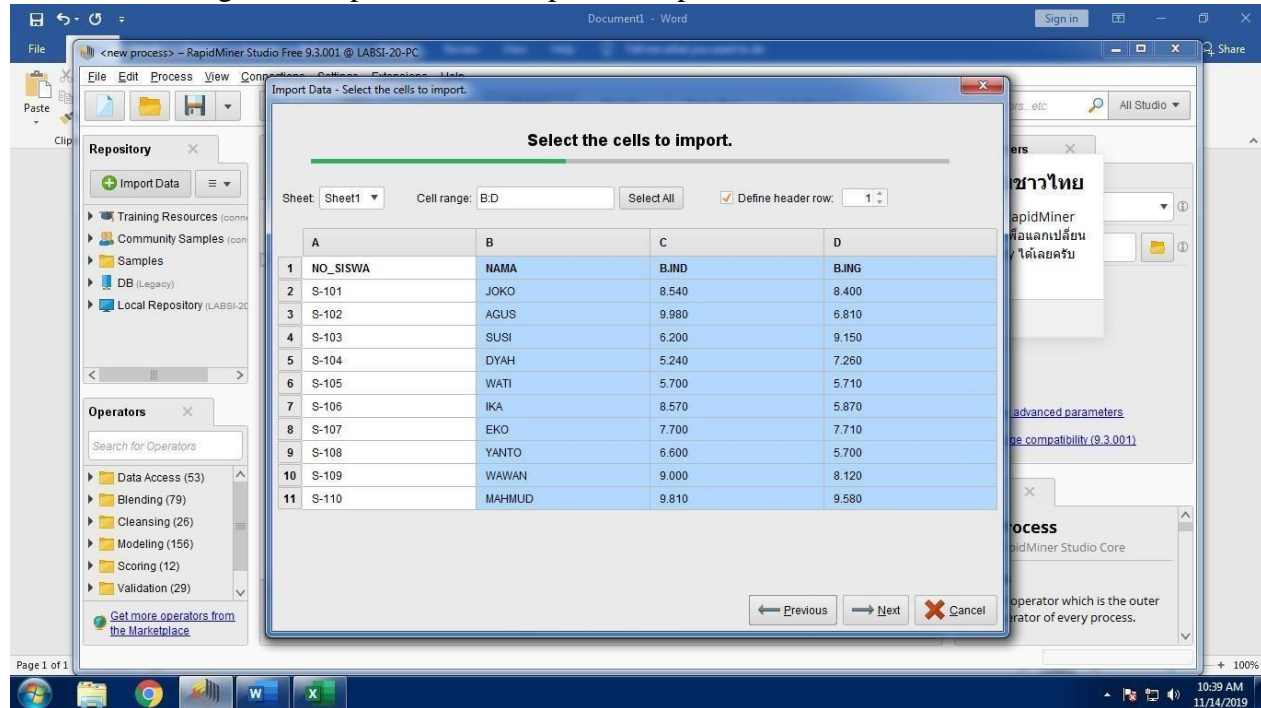


The screenshot shows a Microsoft Excel spreadsheet titled 'Tabel\_NilaiUjian - Excel'. The spreadsheet contains a table of student data with columns for student ID, name, and two scores. The data is as follows:

NO. SISWA	NAMA	B.IND	B.ING
S-101	JOKO	8.54	8.4
S-102	AGUS	9.98	6.81
S-103	SUSI	6.2	9.15
S-104	DYAH	5.24	7.26
S-105	WATI	5.7	5.71
S-106	IKA	8.57	5.87
S-107	EKO	7.7	7.71
S-108	YANTO	6.6	5.7
S-109	WAWAN	9	8.12
S-110	MAHMUD	9.81	9.58

The Excel interface includes the ribbon with tabs for File, Home, Insert, Page Layout, Formulas, Data, Review, View, and Help. The Home tab is active, showing options for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing. The status bar at the bottom indicates the active sheet is 'Sheet1' and the zoom level is 100%.

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



ฟอรัม RapidMiner สำหรับชาวไทย

สวัสดีครับ ผมเอกสิทธิ์เป็นผู้นำกลุ่ม ฟอรัม RapidMiner สำหรับชาวไทย ผมขอเชิญคุณเข้าร่วมกลุ่มเพื่อแลกเปลี่ยนไอเดียหรือถามคำถามต่างๆ ใน community ได้เลยครับ

ไปหากลุ่ม

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

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

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

Retrieve Data\_NilaiUjian...

Clustering

SVD

Parameters

SVD (Singular Value Decomposition)

dimensionality reduction: fixed number

dimensions: 1

Show advanced parameters

Change compatibility (9.3.001)

Help

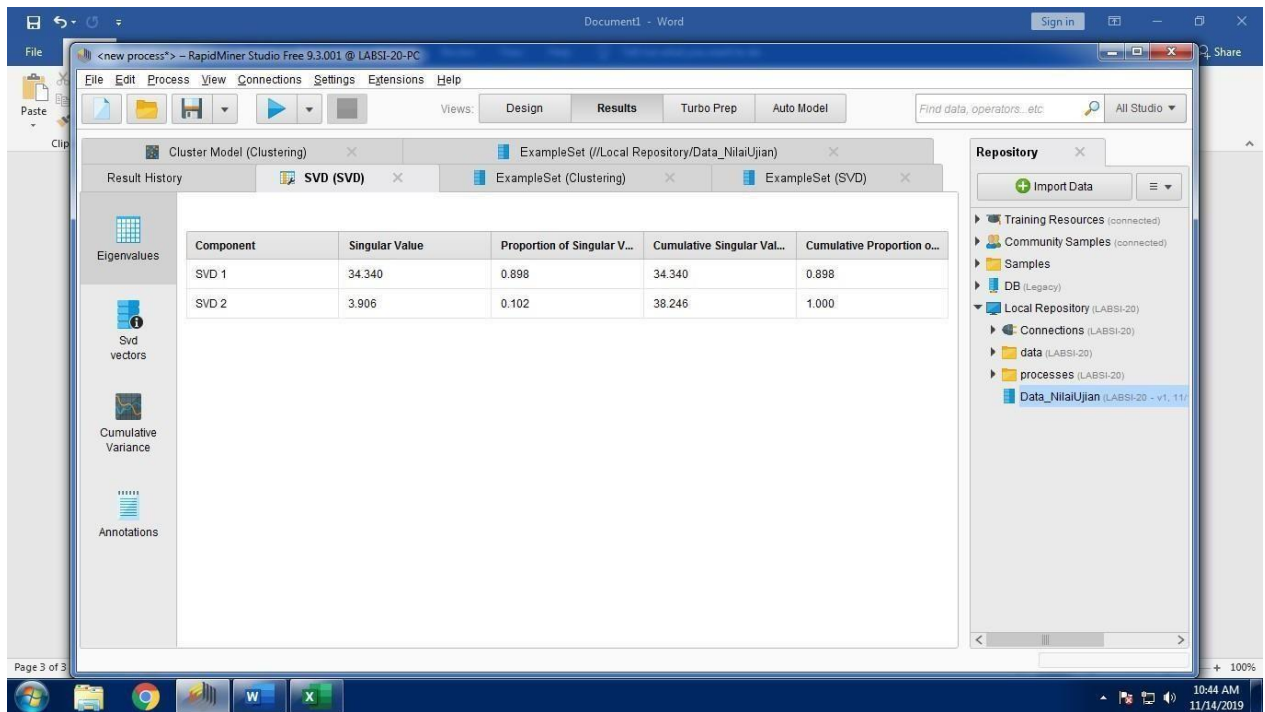
Singular Value Decomposition

RapidMiner Studio Core

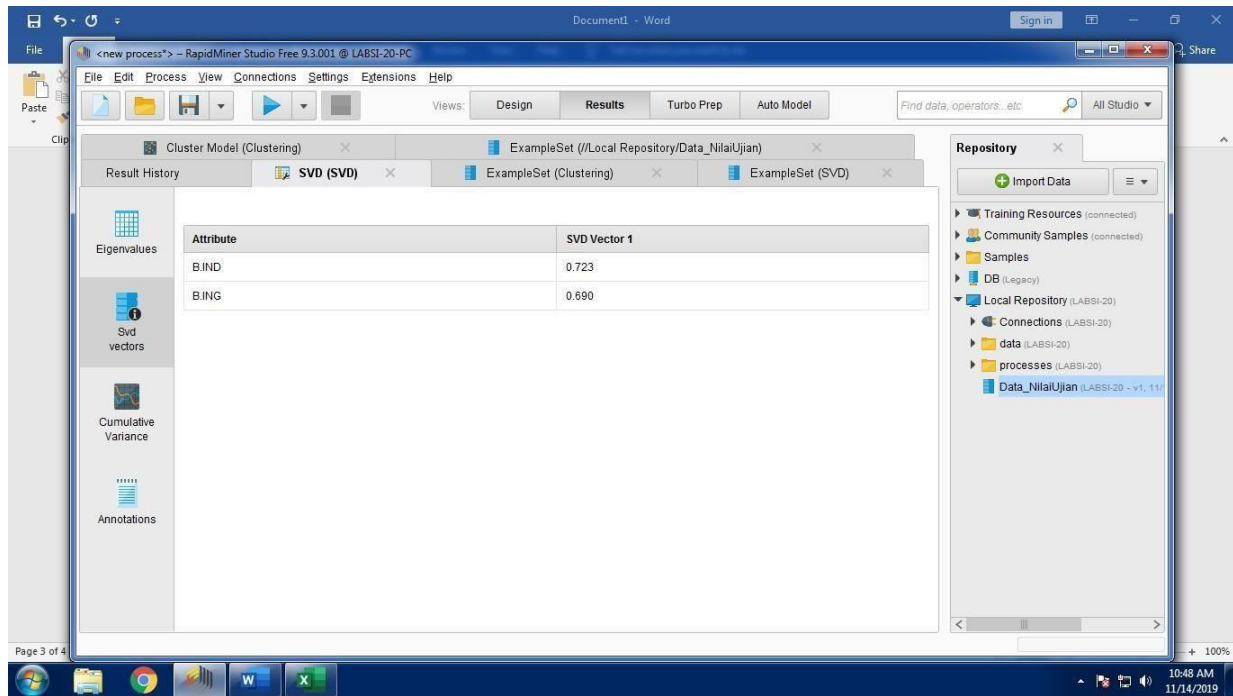
Tags: PCA, Components, Orthogonal, Eigenvalues, Decompositions, Reduction, Multicollinearity, SVD, Dimensionality Reduction

Nilai Eigenvalue

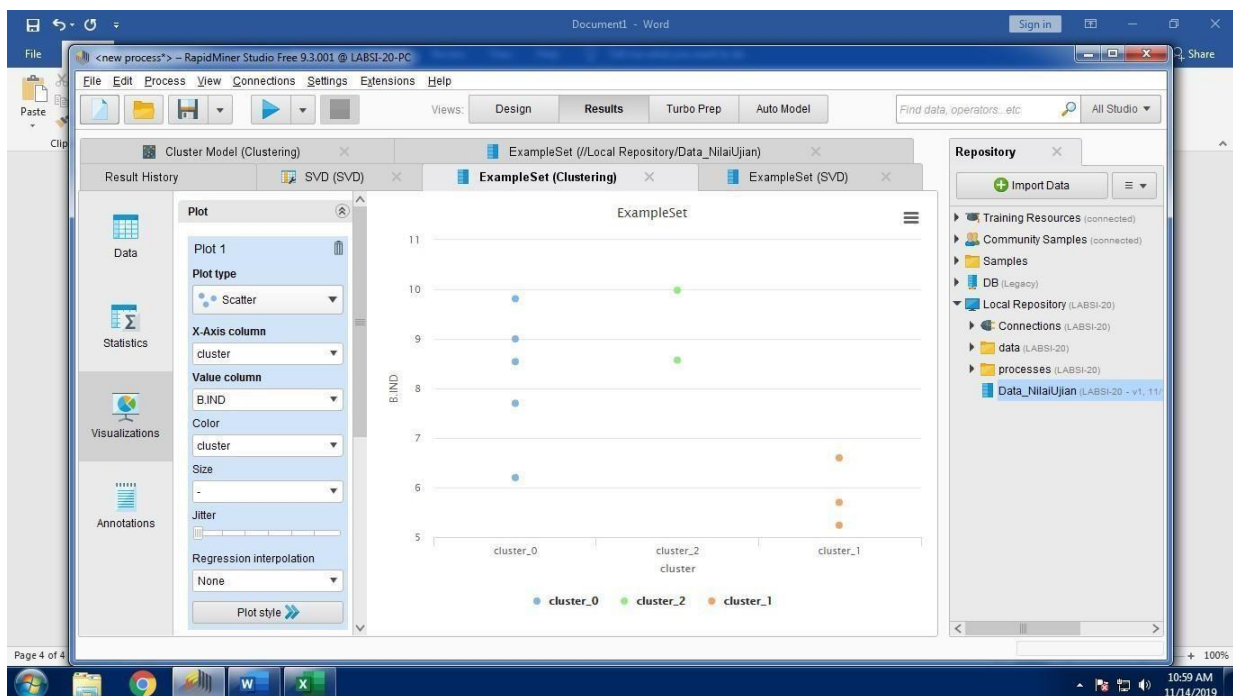
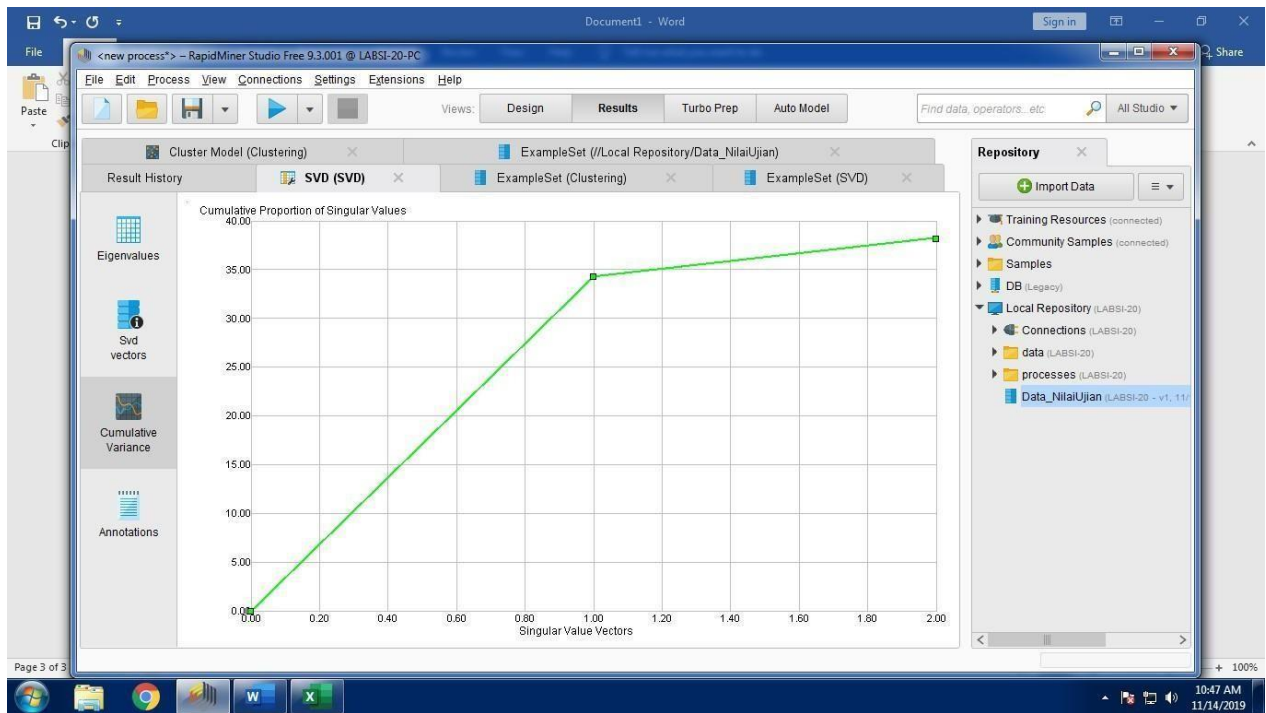
•



- Nilai Svd vectors



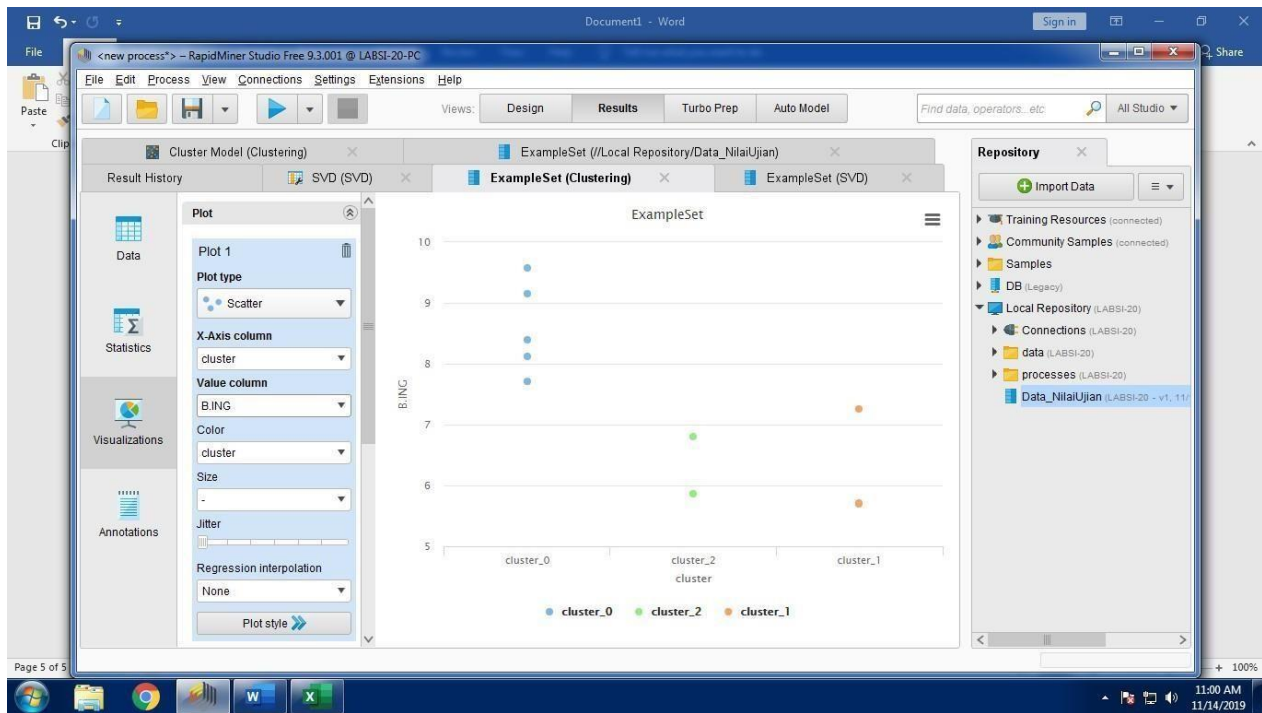
## Nilai Cumulative Variance



- - Kelompok siswa bidang B.indonesia



## Kelompok siswa bidang B.inggris



Open in: Turbo Prep Auto Model

Filter (10 / 10 examples): all

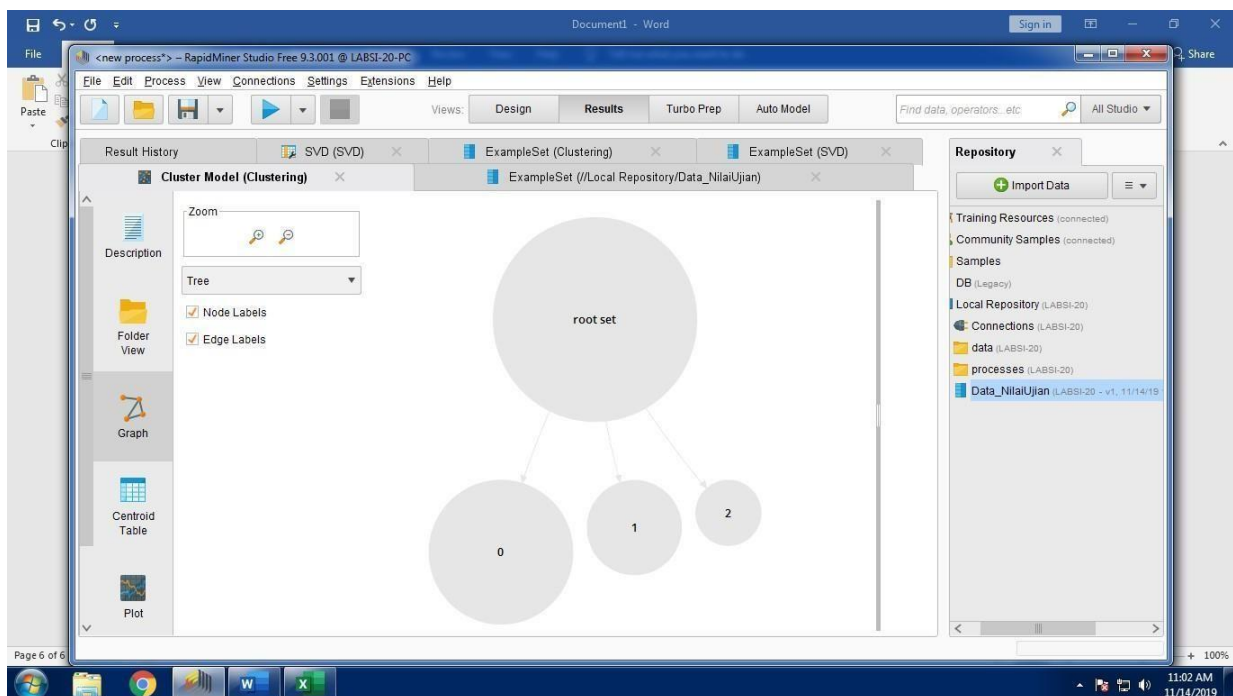
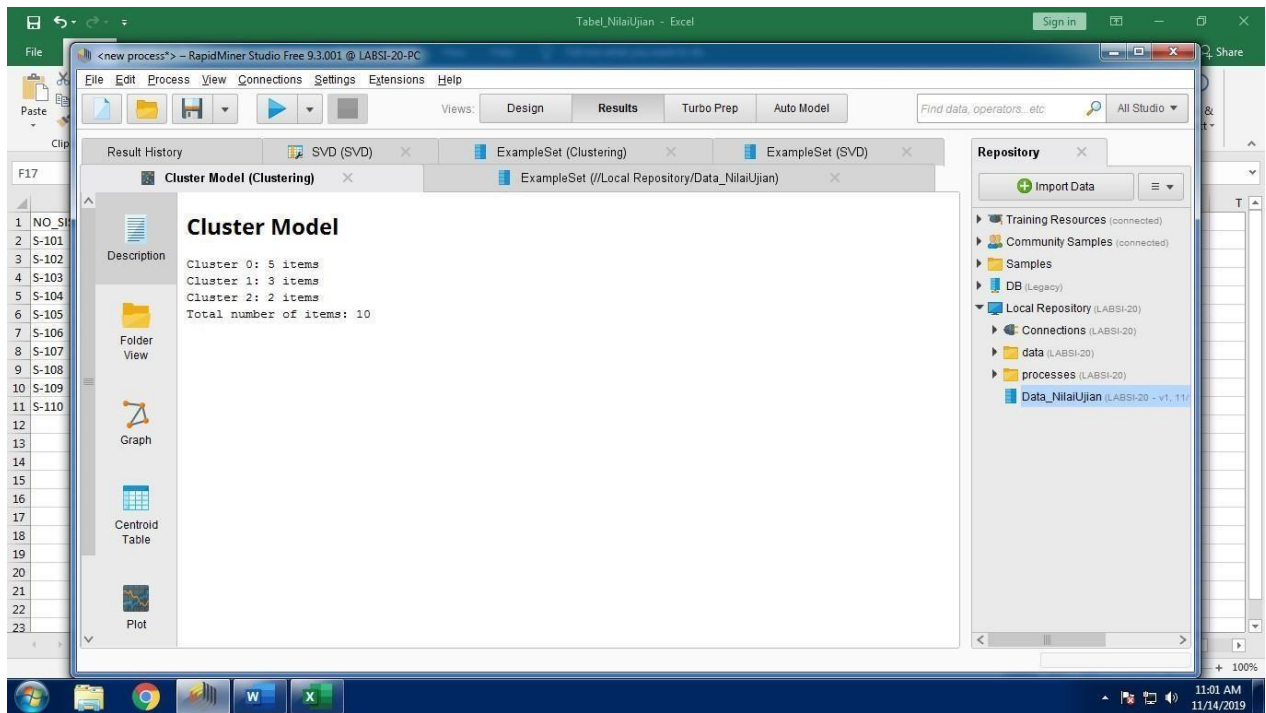
Row No.	NAMA	cluster	BJND	B.JING
1	JOKO	cluster_0	8.540	8.400
2	AGUS	cluster_2	9.980	6.810
3	SUSI	cluster_0	6.200	9.150
4	DYAH	cluster_1	5.240	7.260
5	WATI	cluster_1	5.700	5.710
6	IKA	cluster_2	8.570	5.870
7	EKO	cluster_0	7.700	7.710
8	YANTO	cluster_1	6.600	5.700
9	WAWAN	cluster_0	9	8.120
10	MAHMUD	cluster_0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

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

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

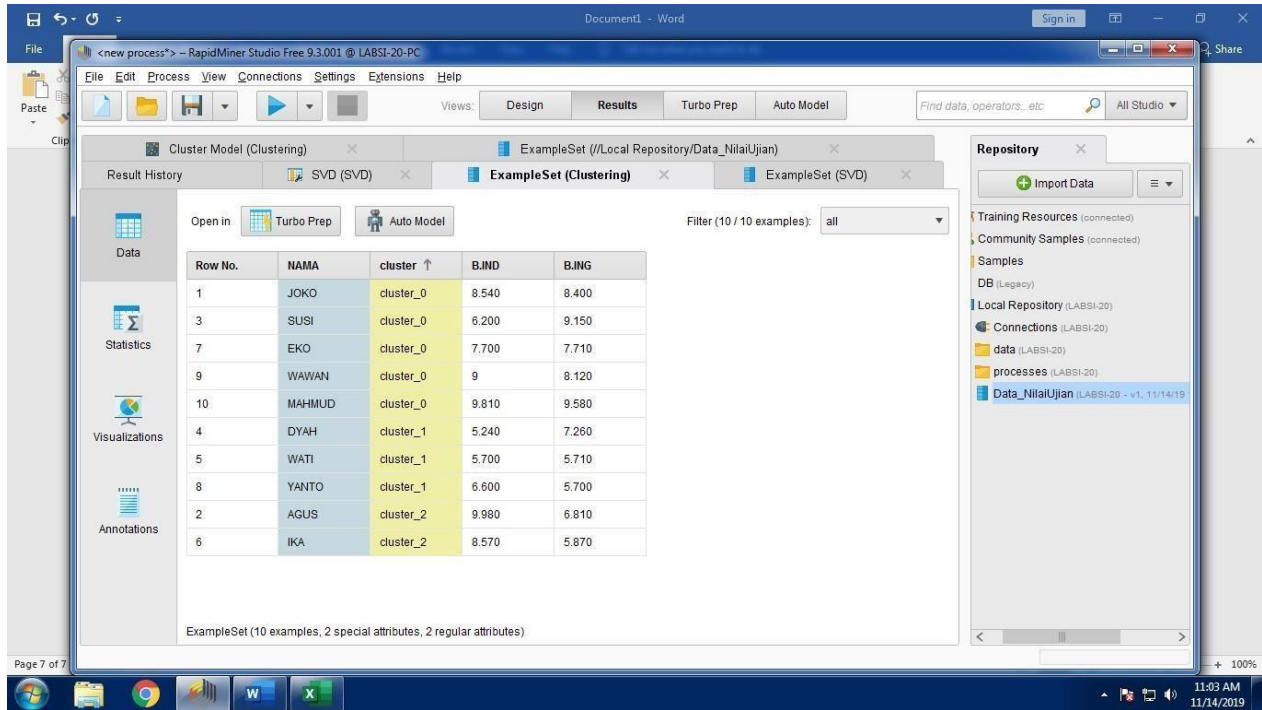


## Description



- 
- Graph

Kesimpulan :



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

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

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

kegiatanmodul10\_dwdm - Word

Sign in

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Result History SVD (SVD) ExampleSet (Clustering) ExampleSet (SVD)

Cluster Model (Clustering) ExampleSet (/Local Repository/Data\_TugasNilaiUjian)

Zoom

Tree

☒ Node Labels

☒ Edge Labels

Folder View

Graph

Centroid Table

Plot

root set

0 1 2 3

Repository

Import Data

(connected)

(connected)

(BSI-20)

(SI-20)

(-20)

(LABSI-20 - v1, 11/14/19 10:40 AM - 447 bytes)

Ujian (LABSI-20 - v1, 11/14/19 11:14 AM - 1 KB)

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11:20 AM 11/14/2019