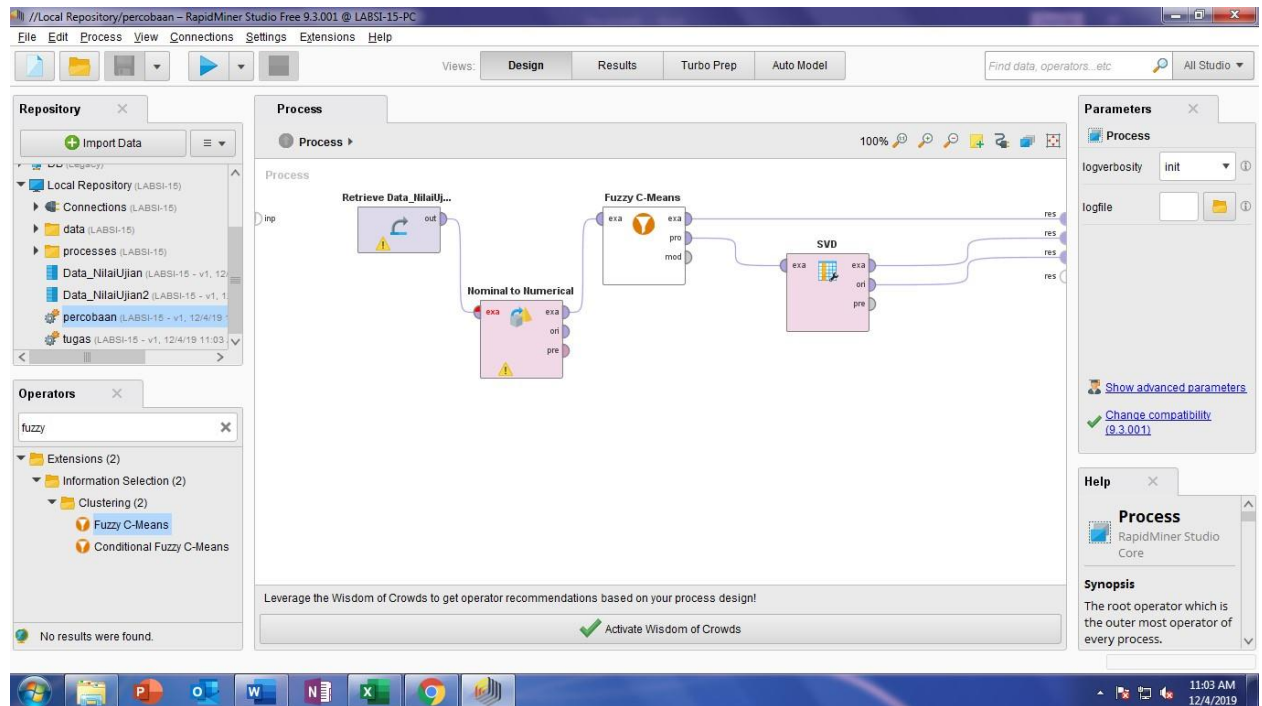


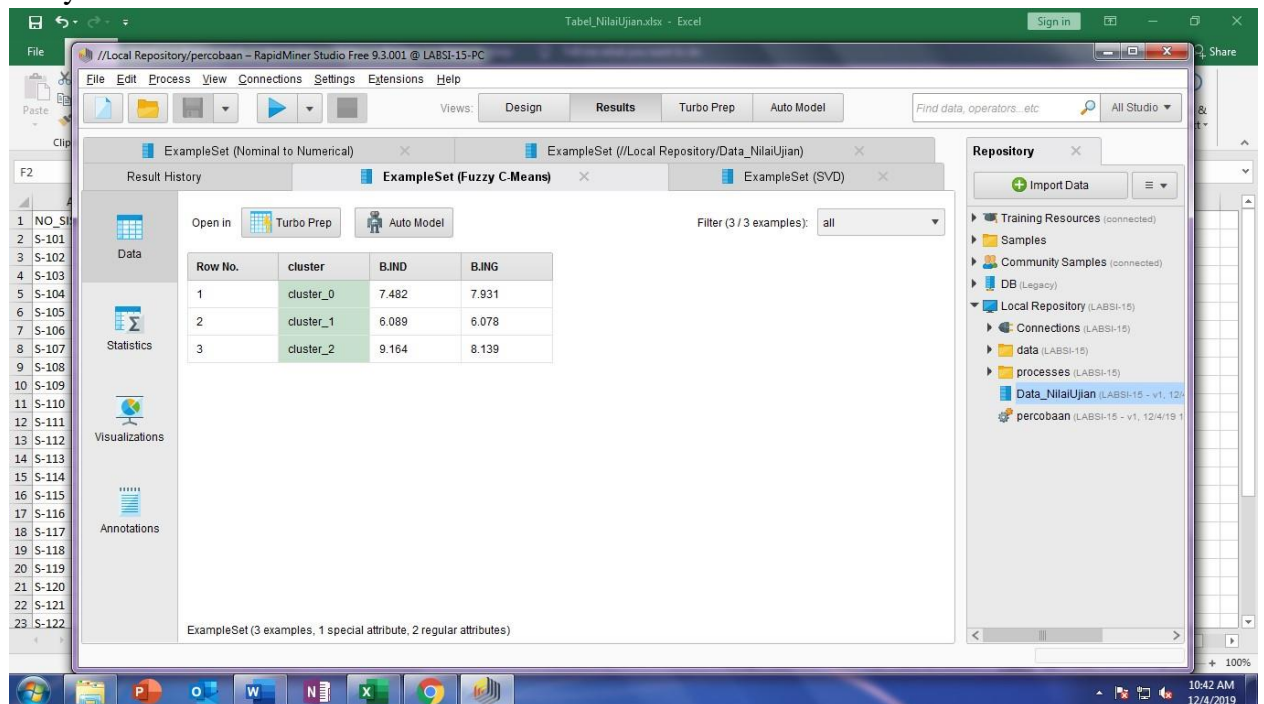
NAMA : ELVY RAHMATILLAH IMAMI

NIM : L200170041

Percobaan



1. Fuzzy C-Means



2. SVD

The screenshot shows the RapidMiner Studio interface with the 'ExampleSet (SVD)' process selected. The 'Results' tab is active, displaying a table with 3 rows and 3 columns: 'Row No.', 'cluster', and 'svd_1'. The 'Repository' panel on the right shows the 'Data_NilaiUjian' dataset selected. The 'ExampleSet (SVD)' process is configured with 'Open in: Turbo Prep' and 'Auto Model'.

Row No.	cluster	svd_1
1	cluster_0	0.588
2	cluster_1	0.465
3	cluster_2	0.662

ExampleSet (3 examples, 1 special attribute, 1 regular attribute)

3. Nominal to Numerical

The screenshot shows the RapidMiner Studio interface with the 'ExampleSet (Nominal to Numerical)' process selected. The 'Results' tab is active, displaying a table with 10 rows and 5 columns: 'Row No.', 'NAMA', 'cluster', 'B.IND', and 'B.ING'. The 'Repository' panel on the right shows the 'Data_NilaiUjian' dataset selected. The 'ExampleSet (Nominal to Numerical)' process is configured with 'Open in: Turbo Prep' and 'Auto Model'.

Row No.	NAMA	cluster	B.IND	B.ING
1	JOKO	cluster_2	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_0	8.570	5.870
7	EKO	cluster_0	7.700	7.710
8	YANTO	cluster_1	6.600	5.700
9	WAWAN	cluster_2	9	8.120
10	MAHMUD	cluster_2	9.810	9.580

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

TUGAS

Repository: Local Repository (LABSI-15), Connections (LABSI-15), data (LABSI-15), processes (LABSI-15), Data_NilaiUjian (LABSI-15 - v1, 12), Data_NilaiUjian2 (LABSI-15 - v1, 1), percobaan (LABSI-15 - v1, 12/4/19), tugas (LABSI-15 - v1, 12/4/19 10:53).

Process: Retrieve Data_MilaiUjian... -> Nominal to Numerical -> Fuzzy C-Means -> SVD.

Parameters: Fuzzy C-Means, add cluster attribute, add as label, Clusters: 4, Iterations: 50, measure type: MixedMe..., mixed measu: MixedEu..., Show advanced parameters.

Help: Fuzzy C-Means, Information Selection, Tags: Clustering, Synopsis: Fuzzy c-Means (FCM), Description.

1. TABEL

NO_SISWA	NAMA	B.JND	B.ING	MTK	IPA
S-101	JOKO	7.246545	8.799515	8.721195	5.811567
S-102	AGUS	9.279984	8.598139	6.324681	8.29489
S-103	SUSI	8.003664	9.649729	8.705567	5.967079
S-104	DIYAH	9.303467	5.043919	7.725872	7.376716
S-105	WATI	6.894833	8.417048	8.934103	9.058378
S-106	IKA	7.898395	6.866061	7.968347	6.325082
S-107	EKO	6.399669	9.995717	5.314253	8.807721
S-108	YANTO	7.446606	8.07548	6.443372	8.430923
S-109	WAWAN	5.683365	7.003373	5.397751	8.350917
S-110	MAHMUD	7.380677	7.164565	7.010791	7.509718
S-111	BUDI	8.971782	6.629435	6.004511	6.907082
S-112	SANTI	5.061762	6.429263	6.967327	5.281503
S-113	DIAN	5.137719	6.007932	7.87673	5.121983
S-114	DANI	7.759366	6.528203	9.229111	7.16975
S-115	AHMAD	9.247513	8.193673	9.417823	9.225035
S-116	BAYU	8.358107	7.389598	9.96167	7.134279
S-117	RISA	6.588326	7.377519	9.487084	5.403983
S-118	RANI	6.592923	7.953925	5.21604	8.236216
S-119	YANI	7.303479	7.769984	6.15622	8.313939
S-120	RATHI	8.30627	8.870915	7.140091	9.261261
S-121	INDAH	6.233522	7.229077	6.044019	5.227851
S-122	JONO	5.502508	7.361681	9.883093	6.229897

2. HASIL

SVD

The screenshot displays the RapidMiner Studio interface. The main workspace shows the 'Results' tab with a table of SVD results. The table has columns for 'Row No.', 'cluster', and 'svd_1'. The 'cluster' column shows four clusters: cluster_0, cluster_1, cluster_2, and cluster_3. The 'svd_1' column shows values: 0.472, 0.520, 0.507, and 0.500. The 'Repository' panel on the right shows the 'Local Repository' with various data sources, including 'Data_NilaiUjian', 'Data_NilaiUjian2', 'percobaan', and 'tugas'. The 'ExampleSet (SVD)' tab is active, showing 4 examples, 1 special attribute, and 1 regular attribute.

Row No.	cluster	svd_1
1	cluster_0	0.472
2	cluster_1	0.520
3	cluster_2	0.507
4	cluster_3	0.500

Fuzzy C-Means

The screenshot displays the RapidMiner Studio interface. The main workspace shows the 'Results' tab with a table of Fuzzy C-Means results. The table has columns for 'Row No.', 'cluster', 'B.IND', 'B.JING', 'MTK', and 'IPA'. The 'cluster' column shows four clusters: cluster_0, cluster_1, cluster_2, and cluster_3. The other columns show numerical values. The 'Repository' panel on the right shows the 'Local Repository' with various data sources, including 'Data_NilaiUjian', 'Data_NilaiUjian2', 'percobaan', and 'tugas'. The 'ExampleSet (Fuzzy C-Means)' tab is active, showing 4 examples, 1 special attribute, and 4 regular attributes.

Row No.	cluster	B.IND	B.JING	MTK	IPA
1	cluster_0	6.565	6.420	8.406	6.530
2	cluster_1	7.124	8.431	6.968	8.269
3	cluster_2	8.214	8.194	6.659	6.922
4	cluster_3	7.751	6.954	7.826	7.046

Nominal To Numerical

Local Repository/tugas* - RapidMiner Studio Free 9.3.001 @ LABSI-15-PC

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Find data, operators, etc. All Studio

Result History

ExampleSet (Fuzzy C-Means)

ExampleSet (SVD)

ExampleSet (Nominal to Numerical)

Open in Turbo Prep Auto Model

Filter (30 / 30 examples): all

Row No.	NAMA	cluster	B.JND	B.JNG	MTK	IPA
1	JOKO	cluster_1	7.998	8.836	7.577	7.609
2	AGUS	cluster_0	7.294	8.542	9.827	5.192
3	SUSI	cluster_3	9.289	5.091	9.532	8.170
4	DYAH	cluster_3	7.225	6.098	5.788	6.473
5	WATI	cluster_1	7.052	8.749	7.130	9.850
6	IKA	cluster_1	9.228	9.711	5.516	9.548
7	EKO	cluster_2	7.709	9.030	8.019	5.596
8	YANTO	cluster_0	6.553	6.175	8.486	6.445
9	WAWAN	cluster_2	8.683	8.326	6.403	7.111
10	MAHMUD	cluster_1	7.296	8.193	8.453	8.352
11	BUDI	cluster_3	9.231	5.160	9.530	5.644
12	SANTI	cluster_1	7.091	8.042	6.487	8.367
13	DIAN	cluster_1	5.677	9.630	5.953	6.652
14	DANI	cluster_1	5.653	9.066	5.855	8.529

ExampleSet (30 examples, 2 special attributes, 4 regular attributes)

Repository

Import Data

- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-15)
 - Connections (LABSI-15)
 - data (LABSI-15)
 - processes (LABSI-15)
 - Data_NilaiUjian (LABSI-15 - v1, 12/4/19 10:34 AM - 447 bytes)
 - Data_NilaiUjian2 (LABSI-15 - v1, 12/4/19 10:45 AM - 1 kB)
 - percobaan (LABSI-15 - v1, 12/4/19 10:37 AM - 4 kB)
 - tugas (LABSI-15 - v1, 12/4/19 10:53 AM - 4 kB)

11:00 AM
12/4/2019

Result History

ExampleSet (SVD) ExampleSet (Fuzzy C-Means) ExampleSet (Nominal to Numerical)

Open in Turbo Prep Auto Model Filter (30 / 30 examples): all

Row No.	NAMA	cluster	B.IND	B.JING	MTK	IPA
15	AHMAD	cluster_1	7.716	7.218	6.689	8.080
16	BAYU	cluster_0	6.476	7.203	8.830	6.468
17	RISA	cluster_3	7.210	7.263	7.910	7.537
18	RANI	cluster_2	9.848	7.058	5.657	7.536
19	YANI	cluster_2	8.630	8.663	5.008	6.105
20	RATIH	cluster_1	5.728	9.746	8.530	9.017
21	INDAH	cluster_2	9.628	7.935	8.213	5.653
22	JONO	cluster_3	7.767	5.012	6.290	6.826
23	SARAH	cluster_0	6.074	6.853	7.568	5.538
24	RAMA	cluster_0	5.606	6.712	8.834	6.890
25	BAMBANG	cluster_0	5.403	5.622	8.784	6.860
26	HADI	cluster_0	6.132	8.657	8.070	5.074
27	NANA	cluster_2	7.084	9.229	6.228	5.704
28	FEBRI	cluster_3	9.983	5.626	9.781	9.777

ExampleSet (30 examples, 2 special attributes, 4 regular attributes)

Repository

Import Data

- Training Resources (connected)
- Samples
- Community Samples (connected)
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 - tugas (LABSI-15 - v1, 12/4/19 10:53 AM - 4 kB)

Result History

ExampleSet (SVD) ExampleSet (Fuzzy C-Means) ExampleSet (Nominal to Numerical)

Open in Turbo Prep Auto Model Filter (30 / 30 examples): all

Row No.	NAMA	cluster	B.IND	B.JING	MTK	IPA
17	RISA	cluster_3	7.210	7.263	7.910	7.537
18	RANI	cluster_2	9.848	7.058	5.657	7.536
19	YANI	cluster_2	8.630	8.663	5.008	6.105
20	RATIH	cluster_1	5.728	9.746	8.530	9.017
21	INDAH	cluster_2	9.628	7.935	8.213	5.653
22	JONO	cluster_3	7.767	5.012	6.290	6.826
23	SARAH	cluster_0	6.074	6.853	7.568	5.538
24	RAMA	cluster_0	5.606	6.712	8.834	6.890
25	BAMBANG	cluster_0	5.403	5.622	8.784	6.860
26	HADI	cluster_0	6.132	8.657	8.070	5.074
27	NANA	cluster_2	7.084	9.229	6.228	5.704
28	FEBRI	cluster_3	9.983	5.626	9.781	9.777
29	DENI	cluster_3	7.119	5.722	6.788	6.503
30	TONI	cluster_0	6.484	5.030	8.409	6.477

ExampleSet (30 examples, 2 special attributes, 4 regular attributes)

Repository

Import Data

- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-15)
 - Connections (LABSI-15)
 - data (LABSI-15)
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 - percobaan (LABSI-15 - v1, 12/4/19 10:37 AM - 4 kB)
 - tugas (LABSI-15 - v1, 12/4/19 10:53 AM - 4 kB)

3.