

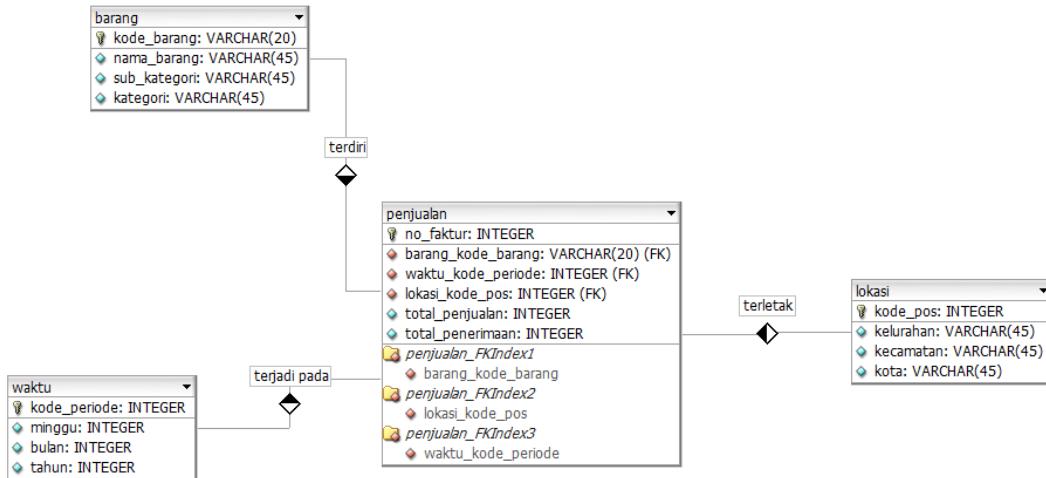
Nama : fida amy na

NIM : L200170075

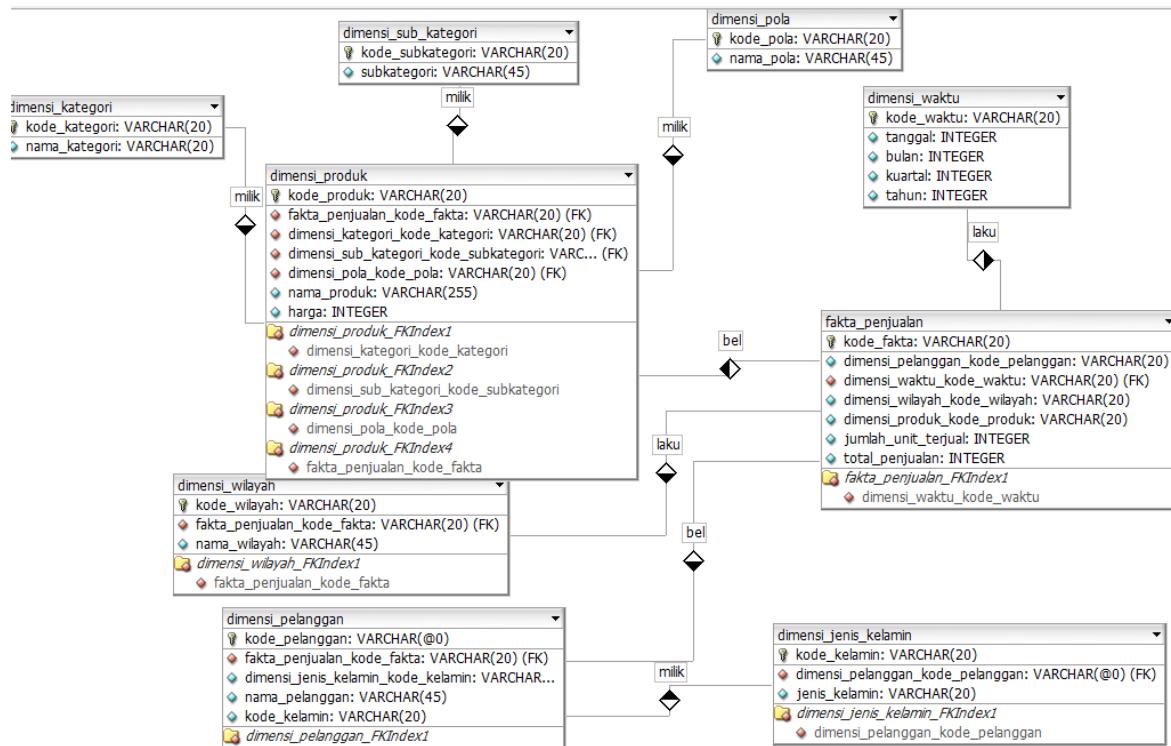
Kelas : C

Modul 1

Percobaan



tugas



Nama : FIDA AMY N A

NIM : L200170075

Kelas : C

Modul : 2

D. Langkah-langkah Praktikum

D.1. Kegiatan 1: Membuat Pivot Table

1. Gunakan file dengan nama “Fakta_Penjualan.xls” hasil tugas Modul 4 soal nomor 2. Jika memungkinkan simpan file tersebut dengan format excel 2007 ke atas (*.xlsx).
2. Buka sheet Fact_Table, dimana datanya terlihat seperti pada gambar berikut.

The screenshot shows a Microsoft Excel spreadsheet titled "Fakta_penjualan.xls - Excel". The active sheet is "Fact_Table". The data starts at cell D19 and continues to O23. The columns are labeled as follows: bulan, kuartal, tahun, nama_produk, nama_kategori, nama_subkategori, nama_pola, nama_pelanggan, jenis_kelamin, nama_wilayah, jumlah, harga. The data consists of 21 rows of product sales information, including details like category (e.g., Batik, Kaos), subcategory (e.g., Print, Cap), pattern (e.g., Sogan Standar, Tulis), gender (e.g., PRIA, WANITA), and location (e.g., Bali, Java Timur). The "jumlah" column represents quantity, and the "harga" column represents price. The bottom status bar shows the date as 19/09/2019 and the time as 13:26.

bulan	kuartal	tahun	nama_produk	nama_kategori	nama_subkategori	nama_pola	nama_pelanggan	jenis_kelamin	nama_wilayah	jumlah	harga
2	12	4	2011 Jarik Standar Print Sogan Standar	Jarik	Print	Bapak Ketut	PRIA	Bali	2	225000	
3	1	1	2012 Kaos Batik Cap Lukis	Batik	Kaos	Cap	Ibu Harini	WANITA	Java Timur	14	30000
4	4	2	2012 Jarik Standar Cap Tulis Sarimi Standar	Jarik	Tulis	Ibu Harini	WANITA	Java Timur	4	40000	
5	4	2	2011 Hem Katun Print Kelengket Katun	Hem	Print	Ibu Harini	WANITA	Java Timur	3	70000	
6	9	3	2012 Batik Standar Cap Tumpa Standar	Batik	Cap	Bapak Heru	PRIA	Java Timur	1	150000	
7	5	2	2012 Hem Katun Print Kelengket Standar	Hem	Print	Bapak Totok	PRIA	Java Timur	3	299000	
8	12	4	2011 Balero Standar Cap Sidor Standar	Balero	Cap	Ibu Hatamah	WANITA	Java Timur	1	225000	
9	10	4	2011 Sarimbit Standar Print Lu Standar	Sarimbit	Print	Ibu Hatamah	WANITA	Java Timur	1	150000	
10	1	1	2011 kaos Katun Print Bola Katun	Kaos	Print	Bapak Impron	PRIA	Java Barat	1	60000	
11	2	1	2012 Celana Standar Cap Warr Standar	Celana	Cap	Ibu Hadi Sukarni	WANITA	Java Barat	17	55000	
12	3	1	2010 Celana Standar Print Last Standar	Celana	Print	Ibu Hadi Sukarni	WANITA	Java Barat	17	55000	
13	3	1	2011 Bahan Standar Cap Lasen Standar	Bahan	Cap	Ibu Siti Arya	WANITA	Java Barat	8	120000	
14	3	4	2012 Rok Batik Print Kombinasi Batik	Rok	Print	Ibu Siti Arya	WANITA	Java Barat	1	225000	
15	1	1	2012 Jam Standar Print Lukis Standar	Jam	Print	Ibu Siti Arya	WANITA	Jawa Barat	44	80000	
16	9	3	2012 Hem Standar Cap Tumpa Standar	Hem	Cap	Ibu Aini Kasmaji	WANITA	Java Tengah	1	10000	
17	6	2	2012 Bahan Lawasan Tulis Toll Lawasan	Bahan	Tulis	Ibu Niken	WANITA	Java Tengah	1	130000	
18	8	3	2011 Hem Standar Tulis Madu Standar	Hem	Tulis	Ibu Atik	WANITA	Java Tengah	5	550000	
19	4	2	2012 Bahan Standar Cap Lasen Standar	Bahan	Cap	Ibu Tyas	WANITA	Java Tengah	7	135000	
20	6	2	2010 Hem Sutra Print Rama Beludru	Bahan	Cap	Ibu Tyas	WANITA	Java Tengah	1	50000	
21	11	4	2010 Hem Sutra Print Rama Sutra	Hem	Print	Ibu Tyas	WANITA	Java Tengah	5	100000	

3. Pilih range data A1:L21 atau tekan tombol CTRL + SHIFT + *.
4. Klik tab Insert pada Ribbon, pilih menu PivotTable | Insert PivotTable.
5. Pada dialog Create PivotTable yang muncul, pilih New Worksheet, klik tombol OK.

The screenshot shows the 'Create PivotTable' dialog box in Microsoft Excel. The 'Select a table or range' section has 'Fact_Table!\$A\$1:\$L\$21' selected. The 'Where do you want to place the PivotTable?' section shows 'New Worksheet' selected. The 'OK' button is highlighted.

8. Cobalah berbagai kombinasi penempatan field dalam kotak area tersebut.

Susunlah layout field dengan urutan berikut :

- a) Field `nama_kategori` ke kotak Row Labels.

The screenshot shows the PivotTable Fields pane. The 'Rows' section contains the field 'nama_subkategori'. The 'Columns' section contains the field 'tahun'. The 'Filters' section is empty.

- b) Field `tahun` ke kotak Column Labels.

The screenshot shows the PivotTable Fields pane. The 'Columns' section contains the field 'tahun'. The 'Rows' section is empty. The 'Filters' section is empty.

c) Field jumlah ke kotak Values.

	2010	2011	2012	Grand Total
Bahan	1	8	8	17
Balero		1		1
Batik		1	1	
Celana	17	17	34	
Hem	5	8	4	17
Jam		44	44	
Jarik	2	4	6	
Kaos	1	14	15	
Rok		1	1	
Sarimbit	1		1	
Grand Total	23	21	93	137

9. Perhatikan hasil pengaturan ini pada area PivotTable. Area ini akan berisi suatu tabel dengan grouping field nama_kategori pada bagian baris, field tahun pada kolom. Sedangkan nilai total jumlah_unit ditempatkan pada cell-cell hasil perpotongan item grouping baris dan kolom tersebut.

	2010	2011	2012	Grand Total
Bahan	1	8	8	17
Balero		1		1
Batik		1	1	
Celana	17	17	34	
Hem	5	8	4	17
Jam		44	44	
Jarik	2	4	6	
Kaos	1	14	15	
Rok		1	1	
Sarimbit	1		1	
Grand Total	23	21	93	137

D.2. Kegiatan 2 : Menambahkan Tipe Summary Baru

1. Masih bekerja menggunakan file “Fakta_Penjualan.xls” pada kegiatan 1 dengan Sheet1 PivotTable.
2. Tambahkan field jumlah kembali ke kotak Value dengan cara klik dan drag, sehingga muncul field baru dengan nama Sum of jumlah2.

	2010	2011	2012	Total Sum of jumlah	Total Sum of jumlah2	
Row Labels	Sum of jumlah	Sum of jumlah2	Sum of jumlah	Sum of jumlah2	Sum of jumlah	Sum of jumlah2
Bahan	1	1	8	8	8	8
Balero			1	1		1
Batik				1	1	1
Celana	17	17		17	17	34
Hem	5	5	8	4	4	17
Jam				44	44	44
Jarik		2	2	4	4	6
Kaos		1	1	14	14	15
Rok				1	1	1
Sarimbit		1	1		1	1
Grand Total	23	23	21	21	93	93

4. Kembali ke area Values, dan klik tombol panah ke bawah pada field Sum of jumlah2. Pilih item Value Field Settings.

5. Pada dialog Value Field Settings, ubah Sum menjadi Count. Perhatikan nama field akan berubah menjadi Count of jumlah2.

	2010	Total Sum of jumlah	Total Sum of jumlah2
Bahan	1		
Balero			1
Batik	17		1
Celana	17	17	34
Hem	5	5	17
Jam		2	1
Jarik		2	44
Kaos		1	1
Rok		14	14
Sarimbit		1	1
Grand Total	23	21	137

6. Klik tombol OK.

7. Pada area PivotTable, didapatkan dua summary yaitu:

a) nilai jumlah unit penjualan yang terjadi (sum).

b) jumlah transaksi yang terjadi (count).

	2010	2011	2012	Total Sum of jumlah	Total Count of jumlah2	
Row Labels	Sum of jumlah	Count of jumlah2	Sum of jumlah	Count of jumlah2	Sum of jumlah	Count of jumlah2
Bahan	1	1	8	1	8	2
Balero			1	1		1
Batik					1	1
Celana	17	1			17	1
Hem	5	1	8	2	4	2
Jam					44	1
Jarik		2		1	4	1
Kaos		1		1	14	1
Rok					1	1
Sarimbit			1	1	1	1
Grand Total	23	3	21	7	93	10
					137	20

D.3. Kegiatan 3 : Calculated Field dan Calculated Item di Pivot Table

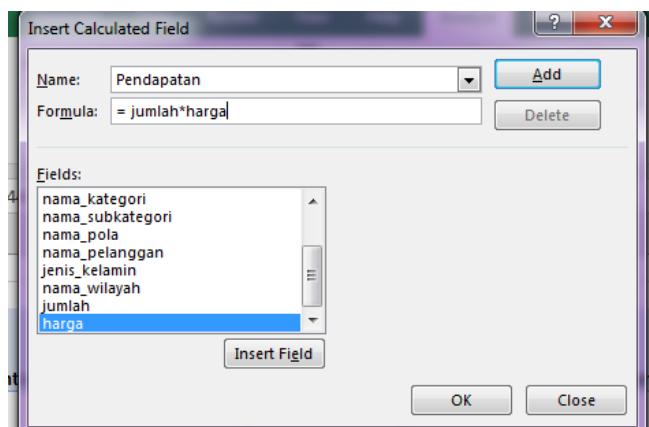
a) Calculated Field

2. Pada menu ribbon PivotTable Tools | Options, klik button Formulas dan pilih Calculated Field.

3. Pada kotak dialog Insert Calculated Field yang muncul, masukkan nilai berikut kemudian klik tombol OK.

a) Name : Pendapatan

b) Formula : = jumlah * harga (Pilih field jumlah kemudian klik Insert Field kemudian ketikkan tanda "*" dan masukkan field harga)



4. Field baru, "Sum of Pendapatan" akan muncul pada Pivot Table.

	2011			2012			Total Sum of jumlah	Total Count of jumlah
5	Sum of Pendapatan	Sum of jumlah	Count of jumlah2	Sum of Pendapatan	Sum of jumlah	Count of jumlah2	Sum of Pendapatan	
6	50000	8	1	960000	8	2	2120000	17
7	0	1	1	225000			0	1
8	0			0	1	1	150000	1
9	935000			0	17	1	935000	34
10	500000	8	2	4960000	4	2	1236000	17
11	0			0	44	1	3520000	44
12	0	2	1	450000	4	1	160000	6
13	0	1	1	60000	14	1	420000	15
14	0			0	1	1	225000	1
15	0	1	1	150000			0	1
16	4715000	21	7	29400000	93	10	107322000	137

D.4. Kegiatan 4 : Operasi Roll Up dan Drill Down

5. Pada Column Labels akan ditampilkan data berdasarkan urutan tahun, kuartal, dan bulan. Beri tanda cek pada field tersebut (drag and drop) dan letakkan pada kotak Column Labels.
 6. Lihat kembali pada cube setelah ditambahkan field-field untuk operasi roll up dan drill down.
 7. Pada masing-masing Row Labels dan Column Labels telah bertambah field-field yang bisa diperinci dan diringkas sesuai urutan kategori data yang lebih spesifik.

Sum of Pendapatan	Column Labels	2010	2011	2012	Grand Total
Row Labels					
Batik		0	3825000	3825000	
Kaos		0	420000	420000	
Kaos Batik Cap Lukis		0	420000	420000	
Rok		0	225000	225000	
Rok Batik Print Kombinasi		0	225000	225000	
Beludru		50000	0	0	50000
Bahan	Beludru (nama_kategori)	0	0	50000	
Hem Sutra Print Rami		0	0	50000	
Katun		520000	0	520000	
Hem		0	210000	0	210000
Hem Katun Print Kelengan		0	210000	0	210000
Kaos		0	60000	0	60000
kaos Katun Print Bola		0	60000	0	60000
Lawasan		0	0	130000	130000
Bahan		0	0	130000	130000
Bahan Lawasan Tulis Tolet		0	0	130000	130000
Standar		935000	2.2E+07	59213000	232434000
Bahan		0	960000	945000	3825000
Bahan Standar Cap Lasem		0	960000	945000	3825000
Balero		0	225000	0	225000
Balero Standar Cap Sidomuk		0	225000	0	225000
Batik		0	0	150000	150000
Batik Standar Cap Tumpal		0	0	150000	150000
Celana		935000	0	935000	3740000
Celana Standar Cap Warna		0	0	935000	935000
Celana Standar Print Lasem		935000	0	0	935000
Hem		0	2750000	12360000	27310000

8. Klik tanda untuk melakukan operasi Roll Up dan klik tanda untuk

melakukan operasi Drill Down.

Roll Up

3	Sum of Pendapatan	Column Labels										2011 Total	2012					
4		2010		2011		1		1 Total		2 Total		2011 (tahun)	Column: 2011	4 Total		2011 Total	2012	
5						1		3		4				10		12		1
6	Row Labels																	1
7	Batik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	420000	0	
8	Kaos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	420000	0	
9	Kaos Batik Cap Lukis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	420000	0	
10	Rok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	Rok Batik Print Kombinasi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	Beludru	50000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Bahan	50000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	Hem Sutra Print Rama	50000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	Katun	0	60000	0	60000	210000	210000	0	0	0	0	0	0	520000	0	0	0	
16	Hem	0	0	0	0	210000	210000	0	0	0	0	0	0	210000	0	0	0	
17	Hem Katun Print Kelengan	0	0	0	0	210000	210000	0	0	0	0	0	0	210000	0	0	0	
18	Kaos	0	60000	0	60000	0	0	0	0	0	0	0	0	60000	0	0	0	
19	kaos Katun Print Bola	0	60000	0	60000	0	0	0	0	0	0	0	0	60000	0	0	0	
20	Lawasan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	Bahan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	Bahan Lawasan Tulis Tolet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	Standar	935000	0	960000	960000	0	0	2750000	2750000	150000	1350000	2400000	21590000	3520000	935000			
24	Bahan	0	0	960000	960000	0	0	0	0	0	0	0	0	960000	0	0	0	
25	Bahan Standar Cap Lasem	0	0	960000	960000	0	0	0	0	0	0	0	0	960000	0	0	0	

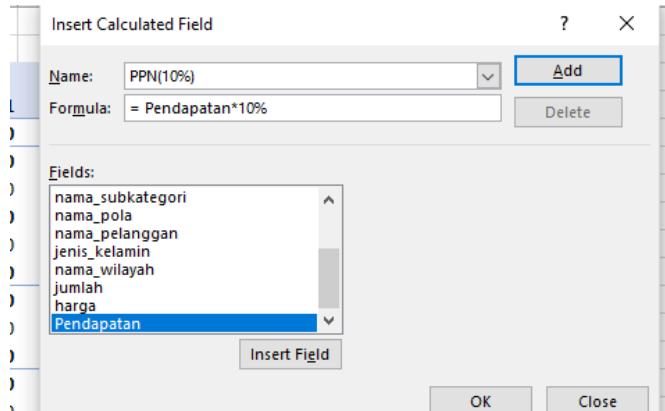
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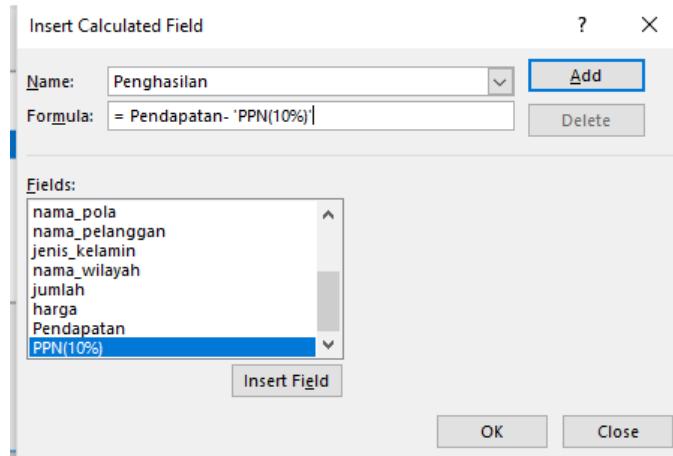
E. Tugas

1. Dengan menggunakan PivotTable pada file Fakta_Penjualan.xls tambahkan 2 buah field, yaitu :

a. PPN (Pajak Pertambahan Nilai) sebesar 10% dari tiap pendapatan pada Pivot Table.



b. Total Penghasilan yang dihitung dari pendapatan dikurangi dengan PPN tersebut.



2. Buatlah PivotTable dan PivotChart untuk melihat PPN dan Total Penghasilan tersebut selama tahun 2010 – 2012. Kategori produk apakah yang memberikan nilai penghasilan terbanyak selama 3 tahun tersebut?

a. Pivot Table

-2010

Row Labels	Column Labels			Total Sum of Pendapatan	Total Sum of PPN(10%)	Total Sum of Penghasilan
	2010	Sum of Pendapatan	Sum of PPN(10%)			
Beludru		50000	5000	45000	5000	45000
Bahan		50000	5000	45000	5000	45000
Hem Sutra Print Rama		50000	5000	45000	5000	45000
Standar		935000	93500	841500	935000	841500
Celana		935000	93500	841500	93500	841500
Celana Standar Print Lasem		935000	93500	841500	93500	841500
Sutra		500000	50000	450000	50000	450000
Hem		500000	50000	450000	50000	450000
Hem Sutra Print Rama		500000	50000	450000	50000	450000
Grand Total		4715000	471500	4243500	4715000	4243500

-2011

Row Labels	2011			Total Sum of Pendapatan	Total Sum of PPN(10%)	Total Sum of Penghasilan
	Sum of Pendapatan	Sum of PPN(10%)	Sum of Penghasilan			
• Katun	520000	52000	468000	520000	52000	468000
• Hem	210000	21000	189000	210000	21000	189000
Hem Katun Print Kelengen	210000	21000	189000	210000	21000	189000
• Kaos	60000	6000	54000	60000	6000	54000
kaos Katun Print Bola	60000	6000	54000	60000	6000	54000
• Standar	21590000	2159000	19431000	21590000	2159000	19431000
• Bahan	960000	96000	864000	960000	96000	864000
Bahan Standar Cap Lasem	960000	96000	864000	960000	96000	864000
• Balero	225000	22500	202500	225000	22500	202500
Balero Standar Cap Sidomukti	225000	22500	202500	225000	22500	202500
• Hem	2750000	275000	2475000	2750000	275000	2475000
Hem Standar Tulis Madura	2750000	275000	2475000	2750000	275000	2475000
• Jarik	450000	45000	405000	450000	45000	405000
Jarik Standar Print Sogan	450000	45000	405000	450000	45000	405000
• Sarimbit	150000	15000	135000	150000	15000	135000
Sarimbit Standar Print Lukis	150000	15000	135000	150000	15000	135000
Grand Total	29400000	2940000	26460000	29400000	2940000	26460000

-2012

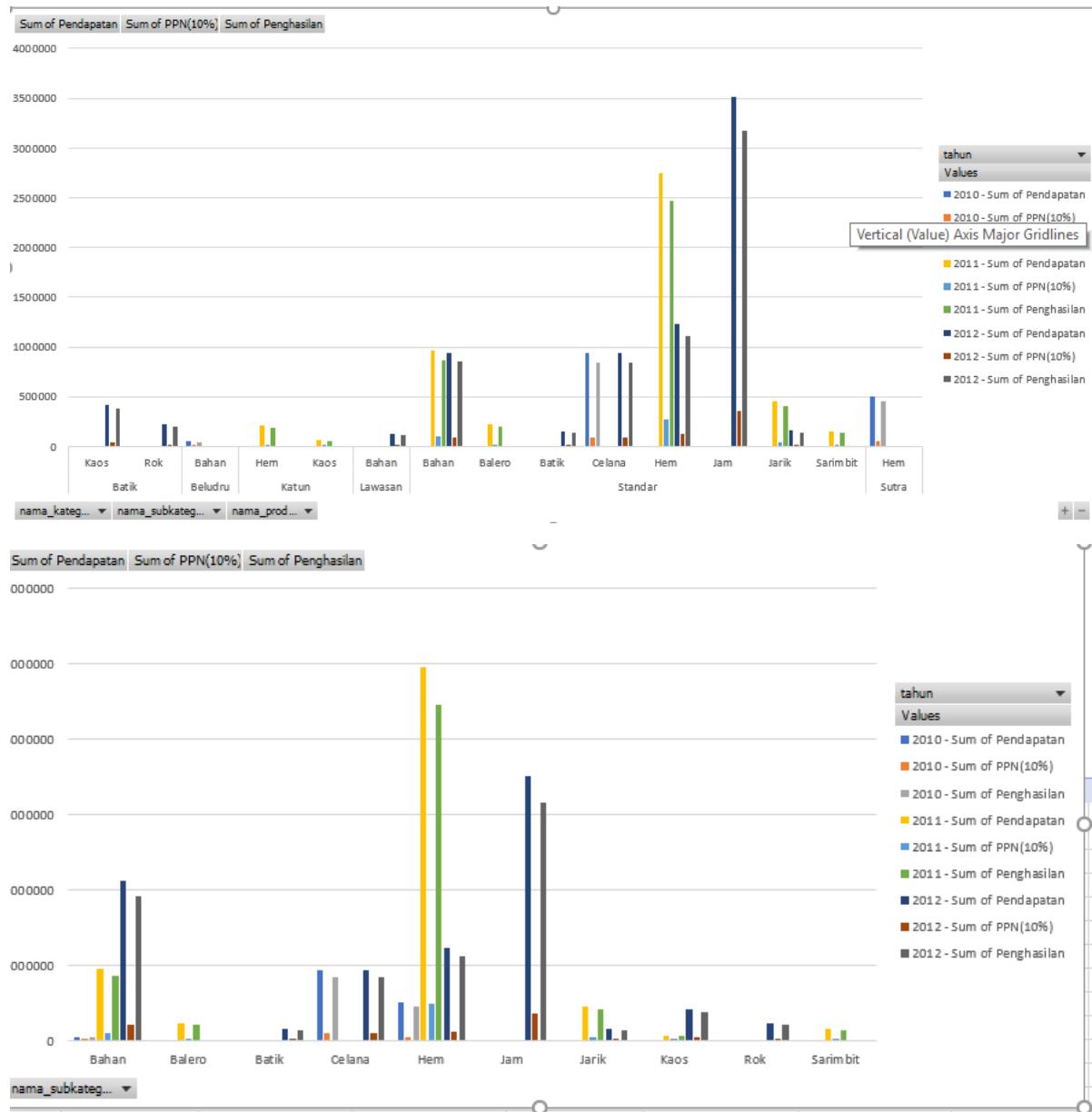
Row Labels	2012			Total Sum of Pendapatan	Total Sum of PPN(10%)	Total Sum of Penghasilan
	Sum of Pendapatan	Sum of PPN(10%)	Sum of Penghasilan			
• Batik	3825000	382500	3442500	3825000	382500	3442500
• Lawasan	130000	13000	117000	130000	13000	117000
• Bahan	130000	13000	117000	130000	13000	117000
Bahan Lawasan Tulis Tolet	130000	13000	117000	130000	13000	117000
• Standar	59213000	5921300	53291700	59213000	5921300	53291700
• Bahan	945000	94500	850500	945000	94500	850500
Bahan Standar Cap Lasem	945000	94500	850500	945000	94500	850500
• Batik	150000	15000	135000	150000	15000	135000
Batik Standar Cap Tumpal	150000	15000	135000	150000	15000	135000
• Celana	935000	93500	841500	935000	93500	841500
Celana Standar Cap Warna	935000	93500	841500	935000	93500	841500
• Hem	1236000	123600	1112400	1236000	123600	1112400
Hem Katun Print Kelengen	897000	89700	807300	897000	89700	807300
Hem Standar Cap Tumpal	10000	1000	9000	10000	1000	9000
• Jam	3520000	352000	3168000	3520000	2000	3168000
Jam Standar Print Lukis	3520000	352000	3168000	3520000	2000	3168000
• Jarik	160000	16000	144000	160000	5000	144000
Jarik Standar Tulis Sarimbit	160000	16000	144000	160000	16000	144000
Grand Total	107322000	10732200	96589800	107322000	10732200	96589800

-ALL 2010-2012

Row Labels	2010			2011			2012			Total Sum of Pendapatan
	Sum of Pendapatan	Sum of PPN(10%)	Sum of Penghasilan	Sum of Pendapatan	Sum of PPN(10%)	Sum of Penghasilan	Sum of Pendapatan	Sum of PPN(10%)	Sum of Penghasilan	
• Batik	0	0	0	0	0	0	3825000	382500	3442500	3825000
• Beludru	50000	5000	45000	0	0	0	0	0	0	50000
• Bahan	50000	5000	45000	0	0	0	0	0	0	50000
Hem Sutra Print Rama	50000	5000	45000	0	0	0	0	0	0	50000
• Katun	0	0	0	520000	52000	468000	0	0	0	520000
• Hem	0	0	0	210000	21000	189000	0	0	0	210000
Hem Katun Print Kelengen	0	0	0	210000	21000	189000	0	0	0	210000
• Kaos	0	0	0	60000	6000	54000	0	0	0	60000
kaos Katun Print Bola	0	0	0	60000	6000	54000	0	0	0	60000
• Lawasan	0	0	0	0	0	0	130000	130000	117000	130000
• Bahan	0	0	0	0	0	0	130000	130000	117000	130000
Bahan Lawasan Tulis Tolet	0	0	0	0	0	0	130000	130000	117000	130000
• Standar	935000	93500	841500	21590000	2159000	19431000	59213000	5921300	53291700	232434000
• Bahan	0	0	0	960000	96000	864000	0	0	0	960000
Bahan Standar Cap Lasem	0	0	0	960000	96000	864000	0	0	0	960000
• Balero	0	0	0	225000	22500	202500	0	0	0	225000
Balero Standar Cap Sidomukti	0	0	0	225000	22500	202500	0	0	0	225000
• Batik	0	0	0	0	0	0	150000	150000	135000	150000
Batik Standar Cap Tumpal	0	0	0	0	0	0	150000	150000	135000	150000
• Celana	935000	93500	841500	0	0	0	935000	93500	841500	3740000
Celana Standar Cap Warna	0	0	0	0	0	0	935000	93500	841500	935000
Celana Standar Print Lasem	935000	93500	841500	0	0	0	0	0	0	935000
• Hem	0	0	0	2750000	275000	2475000	1236000	1236000	1112400	7731000
Hem Katun Print Kelengen	0	0	0	0	0	0	897000	897000	807300	897000
Hem Standar Cap Tumpal	0	0	0	0	0	0	10000	10000	9000	10000
Hem Standar Tulis Madura	0	0	0	2750000	275000	2475000	0	0	0	2750000
• Jam	0	0	0	0	0	0	3520000	3520000	3168000	3520000
Jam Standar Print Lukis	0	0	0	0	0	0	3520000	3520000	3168000	3520000
• Jarik	0	0	0	450000	45000	405000	160000	160000	144000	1590000
Jarik Standar Print Sogan	0	0	0	450000	45000	405000	0	0	0	450000

b. Pivot Table

-2010-2012



Berdasarkan subkategori maka produk tertinggi adalah **HEM**

Nama : Fida Amy N A

NIM : L200170075

Kelas : C

MODUL KE : 6

TUGAS

1.

	A	B	C	D	E	F
1	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asisten	Lama_Studi
2	IPS	WANITA	SURAKARTA	18	TIDAK	TERLAMBAT
3	IPA	PRIA	SURAKARTA	19	YA	TEPAT
4	LAIN	PRIA	SURAKARTA	19	TIDAK	TERLAMBAT
5	IPA	PRIA	LUAR	17	TIDAK	TERLAMBAT
6	IPA	WANITA	SURAKARTA	17	TIDAK	TEPAT
7	IPA	WANITA	LUAR	18	YA	TEPAT
8	IPA	PRIA	SURAKARTA	18	TIDAK	TERLAMBAT
9	IPA	PRIA	SURAKARTA	19	TIDAK	TEPAT
10	IPS	PRIA	LUAR	18	TIDAK	TERLAMBAT
11	LAIN	WANITA	SURAKARTA	18	TIDAK	TEPAT
12	IPA	WANITA	SURAKARTA	19	TIDAK	TEPAT
13	IPS	PRIA	SURAKARTA	20	TIDAK	TEPAT
14	IPS	PRIA	SURAKARTA	19	TIDAK	TEPAT
15	IPA	PRIA	SURAKARTA	19	TIDAK	TEPAT
16	IPA	PRIA	LUAR	22	YA	TEPAT
17	LAIN	PRIA	SURAKARTA	16	TIDAK	TERLAMBAT
18	IPS	PRIA	LUAR	20	TIDAK	TEPAT
19	LAIN	PRIA	LUAR	23	YA	TEPAT
20	IPA	PRIA	SURAKARTA	21	YA	TEPAT
21	IPS	PRIA	SURAKARTA	19	TIDAK	TERLAMBAT

2. a. LAIN =COUNTIF(A2:A21;"LAIN")

IPA =COUNTIF(A2:A21;"IPA")

IPS =COUNTIF(A2:A21;"IPS")

LAIN	4
IPA	10
IPS	6

b. TEPAT =COUNTIF(F2:F21;"TEPAT")

TERLAMBAT=COUNTIF(F2:F21;"TERLAMBAT")

c. MAX =MAX(D2:D21)

MIN =MIN(D2:D21)

MEAN =AVERAGE(D2:D21)

STANDAR DEVIASI =STDEV.S(D2:D21)

max rerata SKS	23
MIN RERATA SKS	16
MEAN RERATA SKS	18,95
STANDAR DEVIASI	1,66938375

d. =COUNTIFS(A2:A21;"IPA";B2:B21;"PRIA";E2:E21;"YA";F2:F21;"TEPAT")

D	3
---	---

Nama : Fida Amy N A

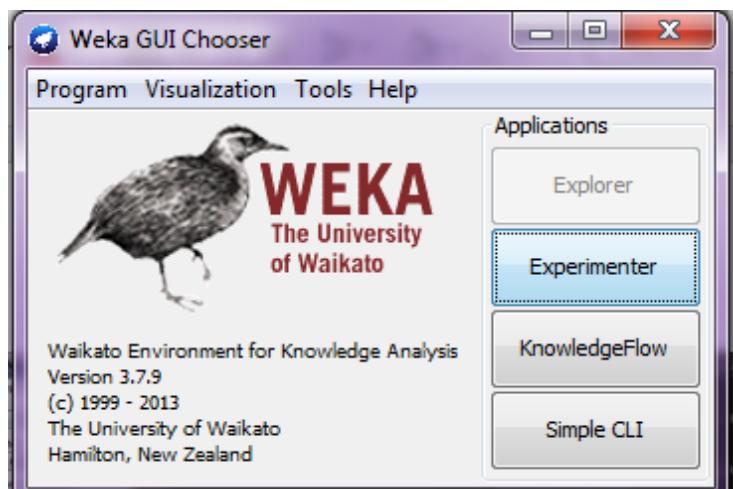
NIM : L200170075

Kelas : C

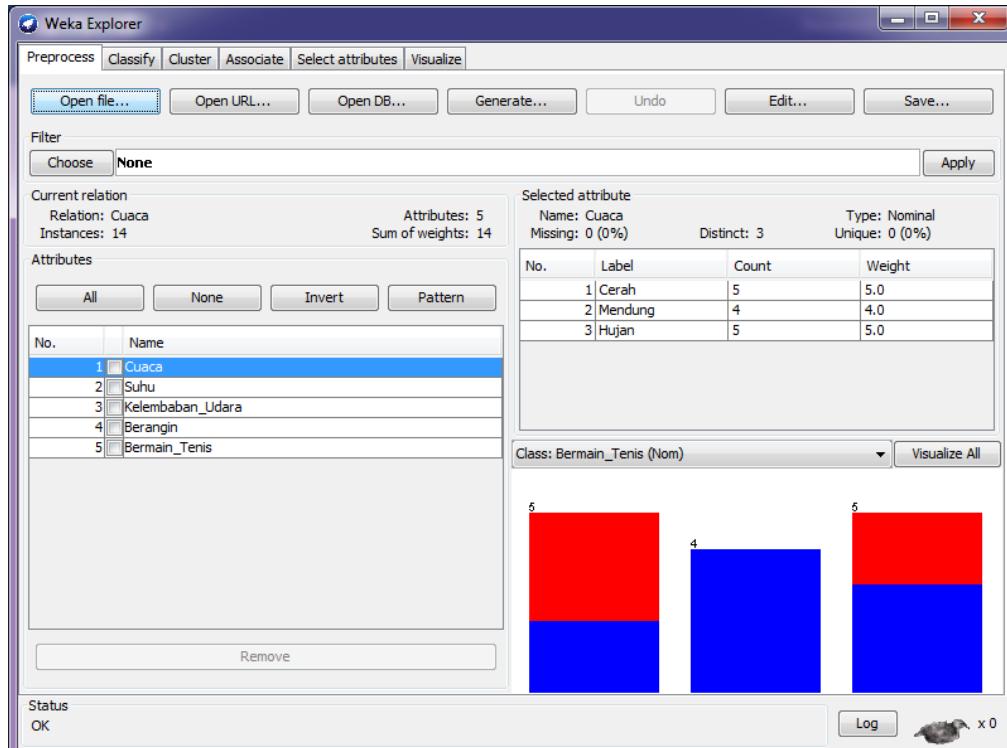
PERCOBAAN

-Data

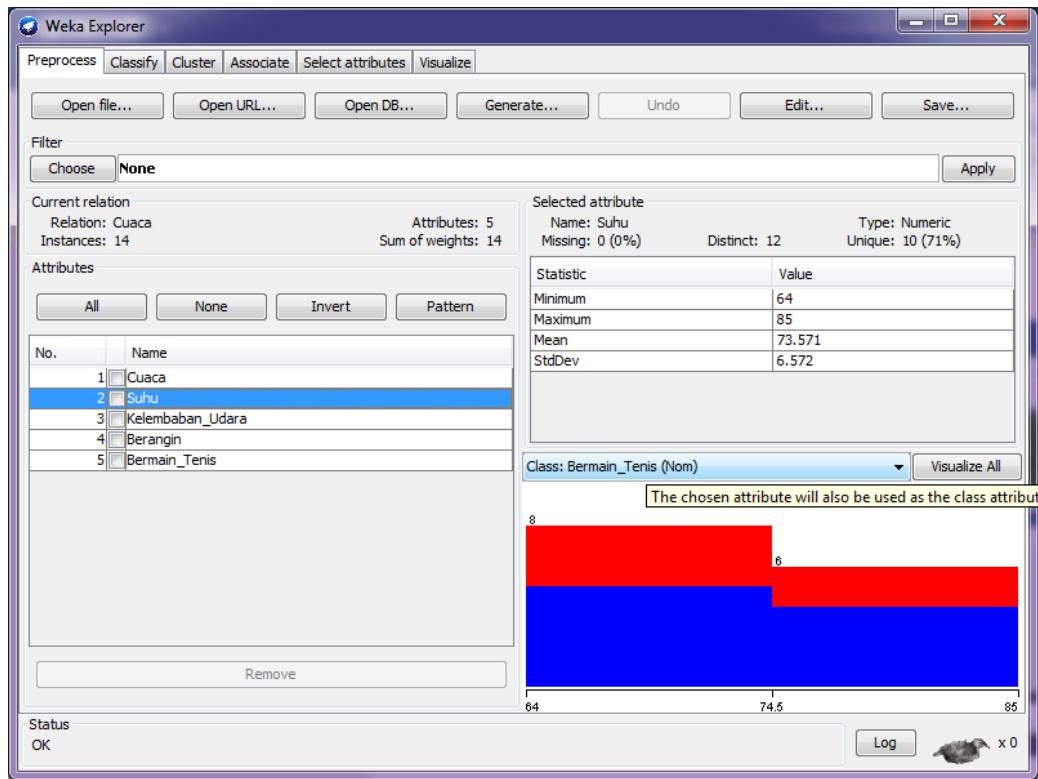
```
≡ Cuaca.arff ×
C: > Users > LABSI-01 > Documents > prak DWDM > ≡ Cuaca.arff
1  @relation Cuaca
2
3  @attribute Cuaca {Cerah, Mendung, Hujan}
4  @attribute Suhu real
5  @attribute Kelembaban_Udara real
6  @attribute Berangin {YA, TIDAK}
7  @attribute Bermain_Tenis {YA, TIDAK}
8
9  @data
10 Cerah,85,85,TIDAK,TIDAK
11 Cerah,80,90,YA,TIDAK
12 Mendung,83,86,TIDAK,YA
13 Hujan,70,96,TIDAK,YA
14 Hujan,68,80,TIDAK,YA
15 Hujan,65,70,YA,TIDAK
16 Mendung,64,65,YA,YA
17 Cerah,72,95,TIDAK,TIDAK
18 Cerah,69,70,TIDAK,YA
19 Hujan,75,80,TIDAK,YA
20 Cerah,75,70,YA,YA
21 Mendung,72,90,YA,YA
22 Mendung,81,75,TIDAK,YA
23 Hujan,71,91,YA,TIDAK
```



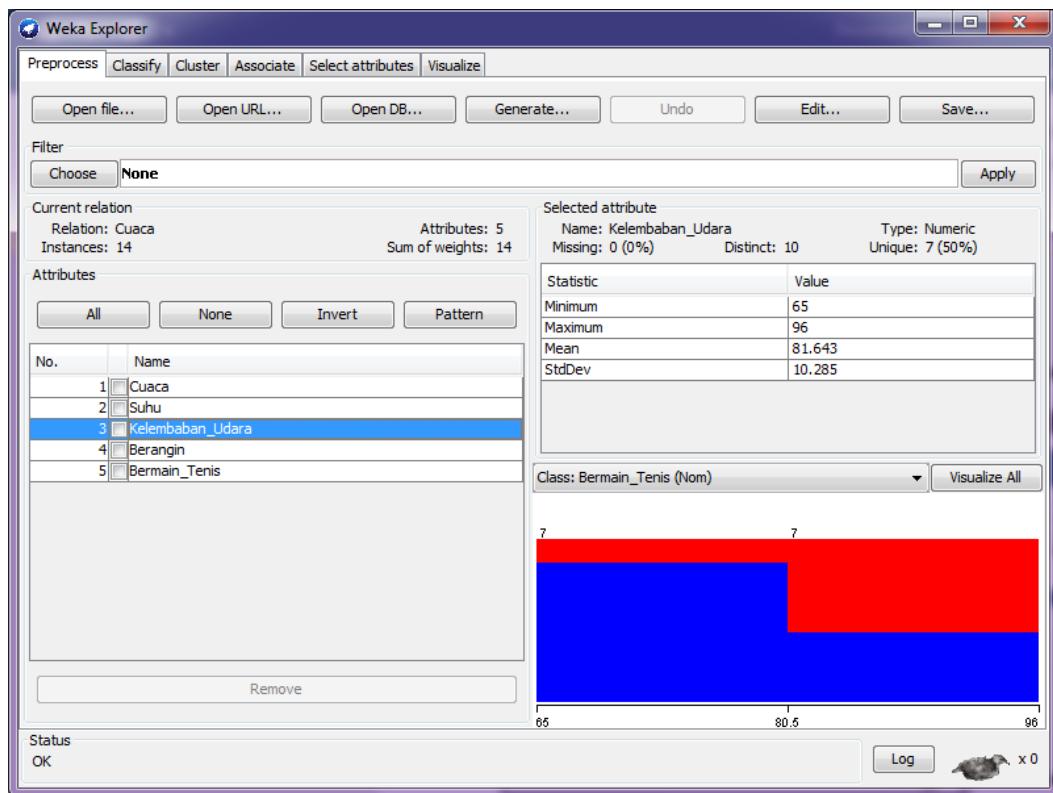
-cuaca



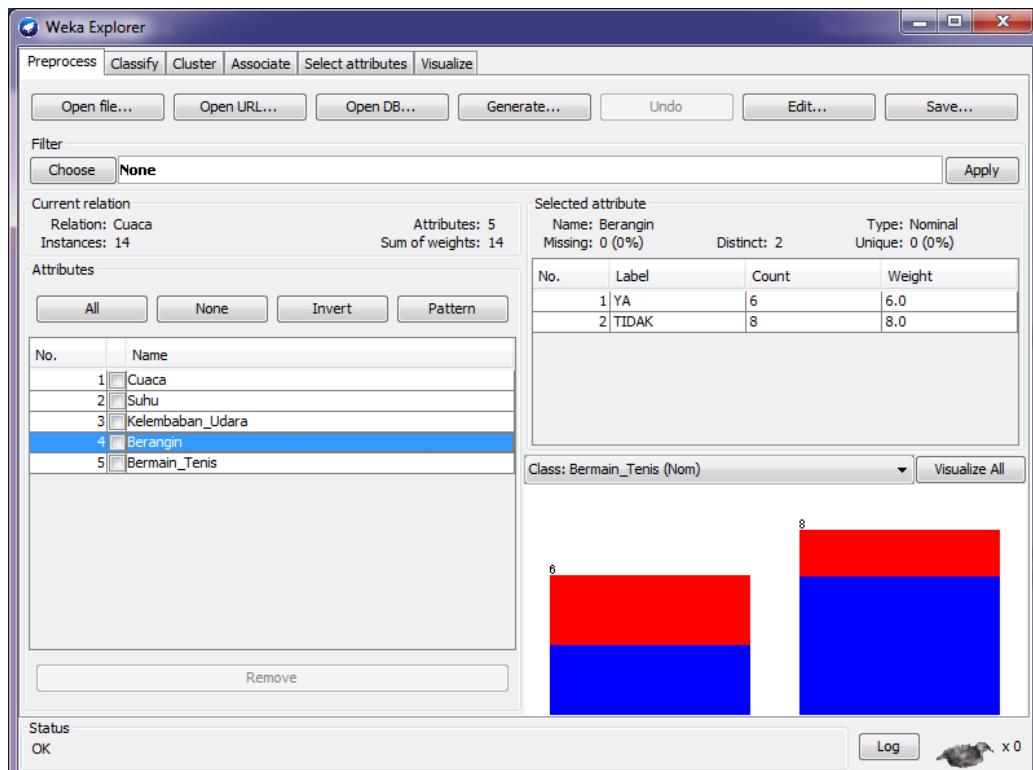
-suhu



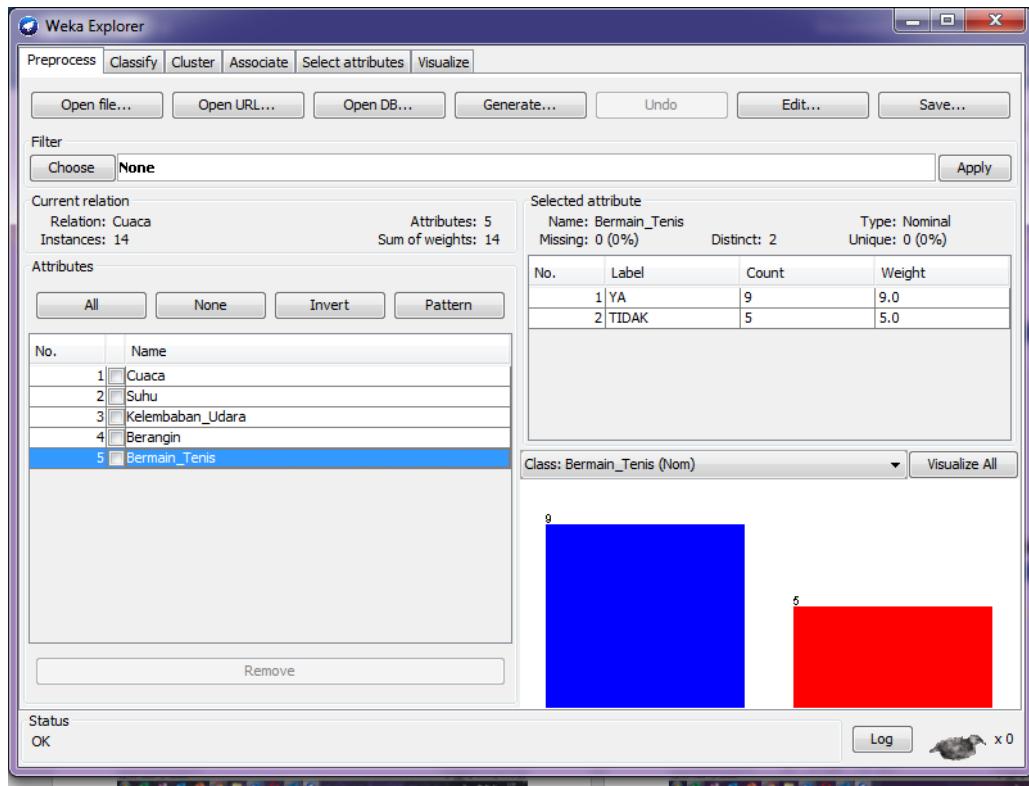
-kelembaban udara



-berangin



-bermain tennis



Nama : FIDA AMY N A

NIM : L200170075

Kelas : C

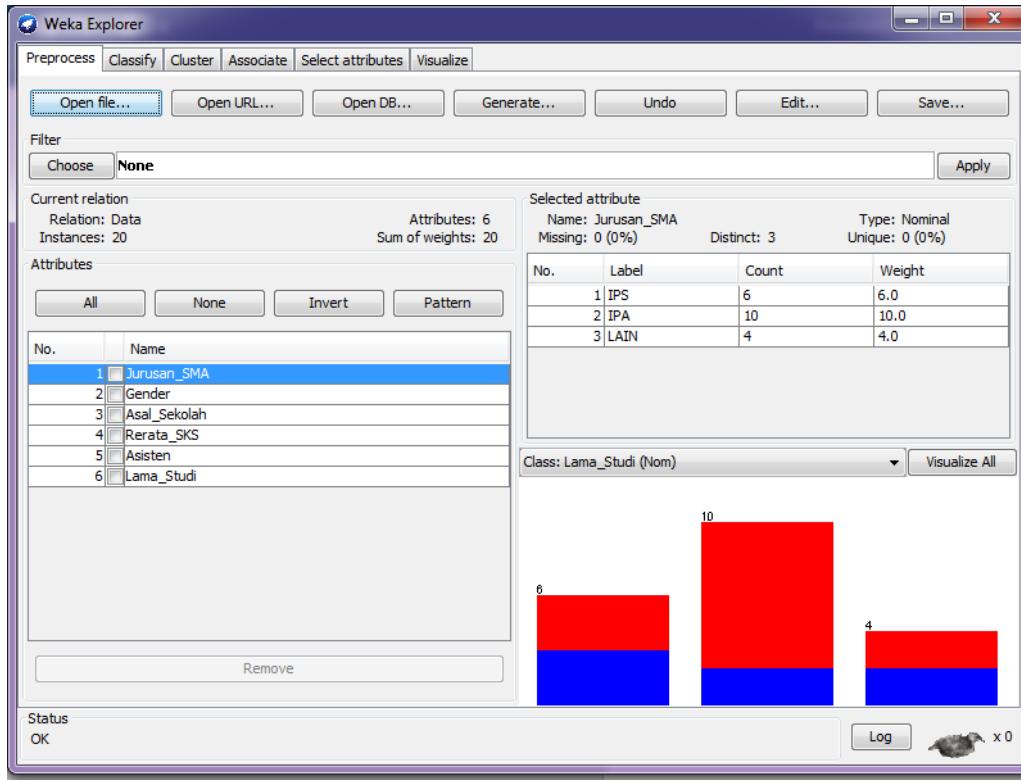
TUGAS

1	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asisten	Lama_Studi
2	IPS	WANITA	SURAKARTA	18	TIDAK	TERLAMBAT
3	IPA	PRIA	SURAKARTA	19	YA	TEPAT
4	LAIN	PRIA	SURAKARTA	19	TIDAK	TERLAMBAT
5	IPA	PRIA	LUAR	17	TIDAK	TERLAMBAT
6	IPA	WANITA	SURAKARTA	17	TIDAK	TEPAT
7	IPA	WANITA	LUAR	18	YA	TEPAT
8	IPA	PRIA	SURAKARTA	18	TIDAK	TERLAMBAT
9	IPA	PRIA	SURAKARTA	19	TIDAK	TEPAT
10	IPS	PRIA	LUAR	18	TIDAK	TERLAMBAT
11	LAIN	WANITA	SURAKARTA	18	TIDAK	TEPAT
12	IPA	WANITA	SURAKARTA	19	TIDAK	TEPAT
13	IPS	PRIA	SURAKARTA	20	TIDAK	TEPAT
14	IPS	PRIA	SURAKARTA	19	TIDAK	TEPAT
15	IPA	PRIA	SURAKARTA	19	TIDAK	TEPAT
16	IPA	PRIA	LUAR	22	YA	TEPAT
17	LAIN	PRIA	SURAKARTA	16	TIDAK	TERLAMBAT
18	IPS	PRIA	LUAR	20	TIDAK	TEPAT
19	LAIN	PRIA	LUAR	23	YA	TEPAT
20	IPA	PRIA	SURAKARTA	21	YA	TEPAT
21	IPS	PRIA	SURAKARTA	19	TIDAK	TERLAMBAT

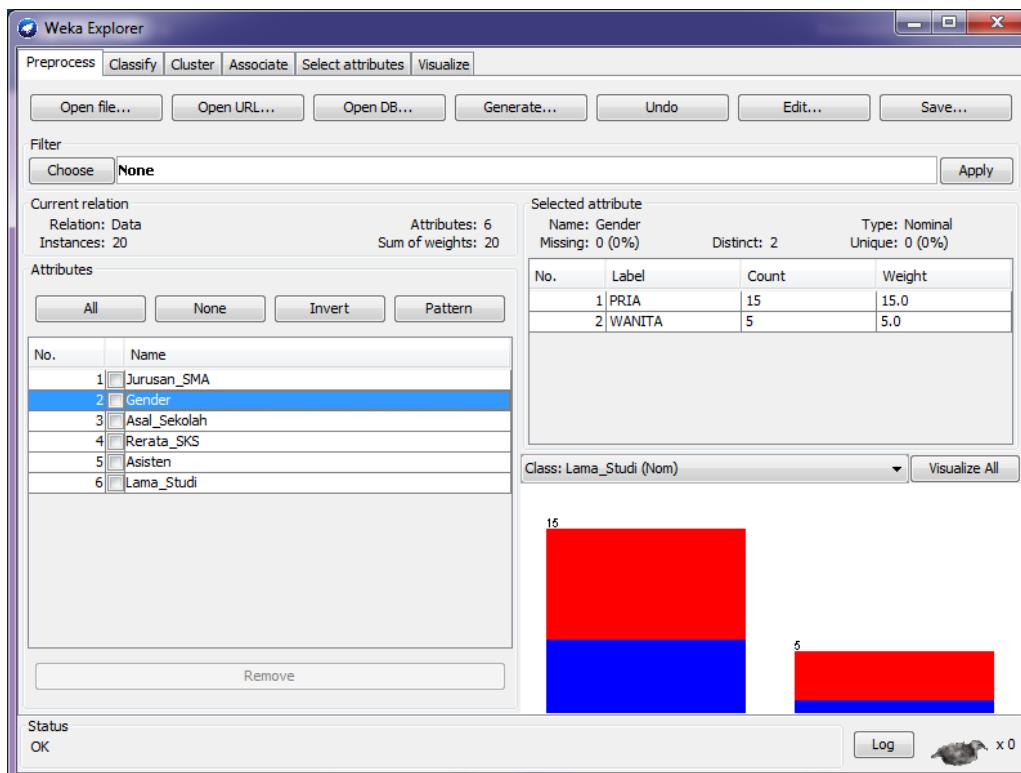
1. Buat file ARFF berdasarkan tugas pada Modul 6 soal nomor 1!

```
1  @relation Data
2
3  @attribute Jurusan_SMA {IPS, IPA, LAIN}
4  @attribute Gender {PRIA,WANITA}
5  @attribute Asal_Sekolah {SURAKARTA, LUAR}
6  @attribute Rerata_SKS real
7  @attribute Asisten {YA, TIDAK}
8  @attribute Lama_Studi {TERLAMBAT, TEPAT}
9
10 @data
11 IPS,WANITA,SURAKARTA,18,TIDAK,TERLAMBAT
12 IPA,PRIA,SURAKARTA,19,YA,TEPAT
13 LAIN,PRIA,SURAKARTA,19,TIDAK,TERLAMBAT
14 IPA,PRIA,LUAR,17,TIDAK,TERLAMBAT
15 IPA,WANITA,SURAKARTA,17,TIDAK,TEPAT
16 IPA,WANITA,LUAR,18,YA,TEPAT
17 IPA,PRIA,SURAKARTA,18,TIDAK,TERLAMBAT
18 IPA,PRIA,SURAKARTA,19,TIDAK,TEPAT
19 IPS,PRIA,LUAR,18,TIDAK,TERLAMBAT
20 LAIN,WANITA,SURAKARTA,18,TIDAK,TEPAT
21 IPA,WANITA,SURAKARTA,19,TIDAK,TEPAT
22 IPS,PRIA,SURAKARTA,20,TIDAK,TEPAT
23 IPS,PRIA,SURAKARTA,19,TIDAK,TEPAT
24 IPA,PRIA,SURAKARTA,19,TIDAK,TEPAT
25 IPA,PRIA,LUAR,22,YA,TEPAT
26 LAIN,PRIA,SURAKARTA,16,TIDAK,TERLAMBAT
27 IPS,PRIA,LUAR,20,TIDAK,TEPAT
28 LAIN,PRIA,LUAR,23,YA,TEPAT
29 IPA,PRIA,SURAKARTA,21,YA,TEPAT
30 IPS,PRIA,SURAKARTA,19,TIDAK,TERLAMBAT
```

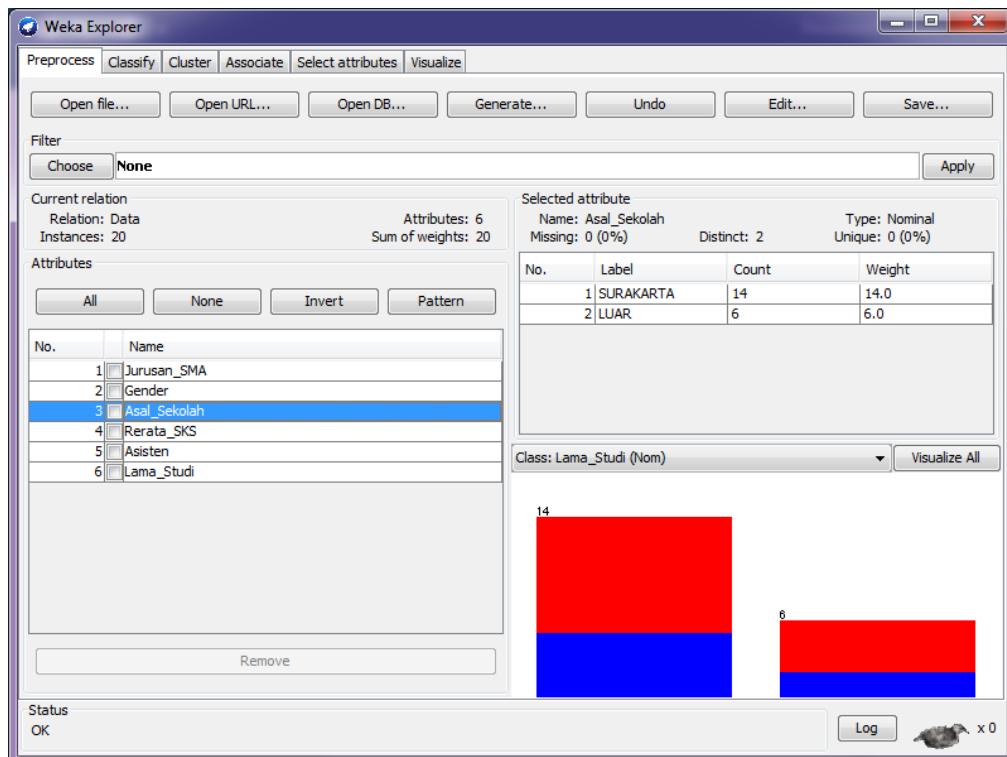
2. Jurusan_SMA



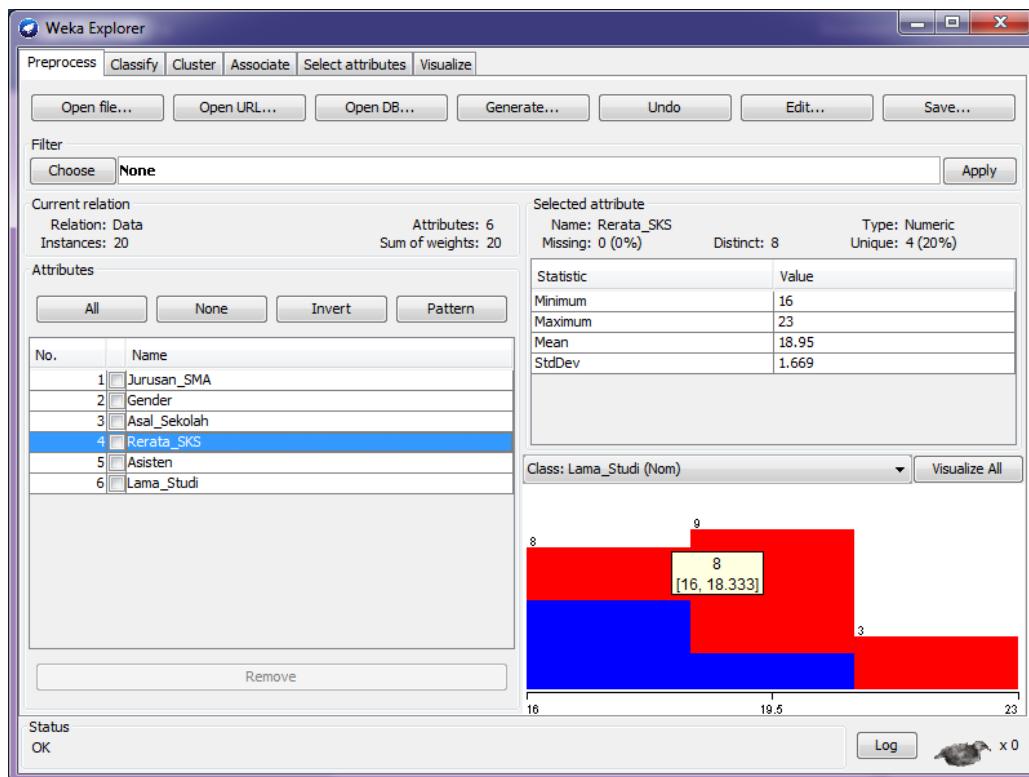
- Gender



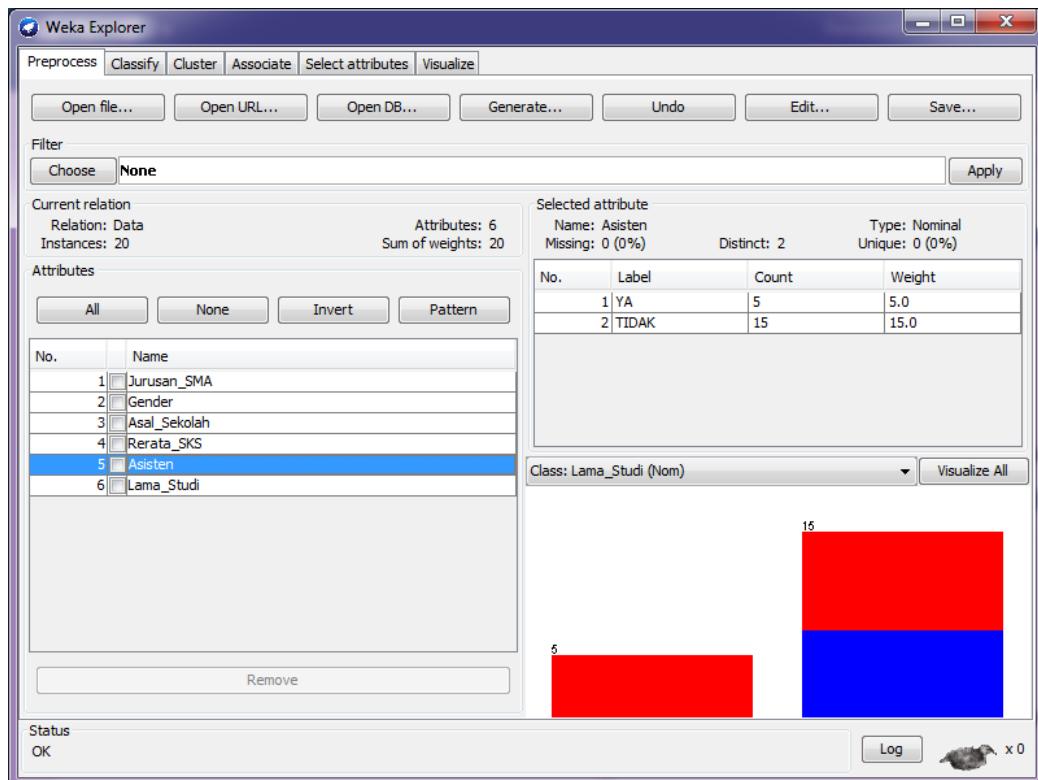
-- Asal_Sekolah



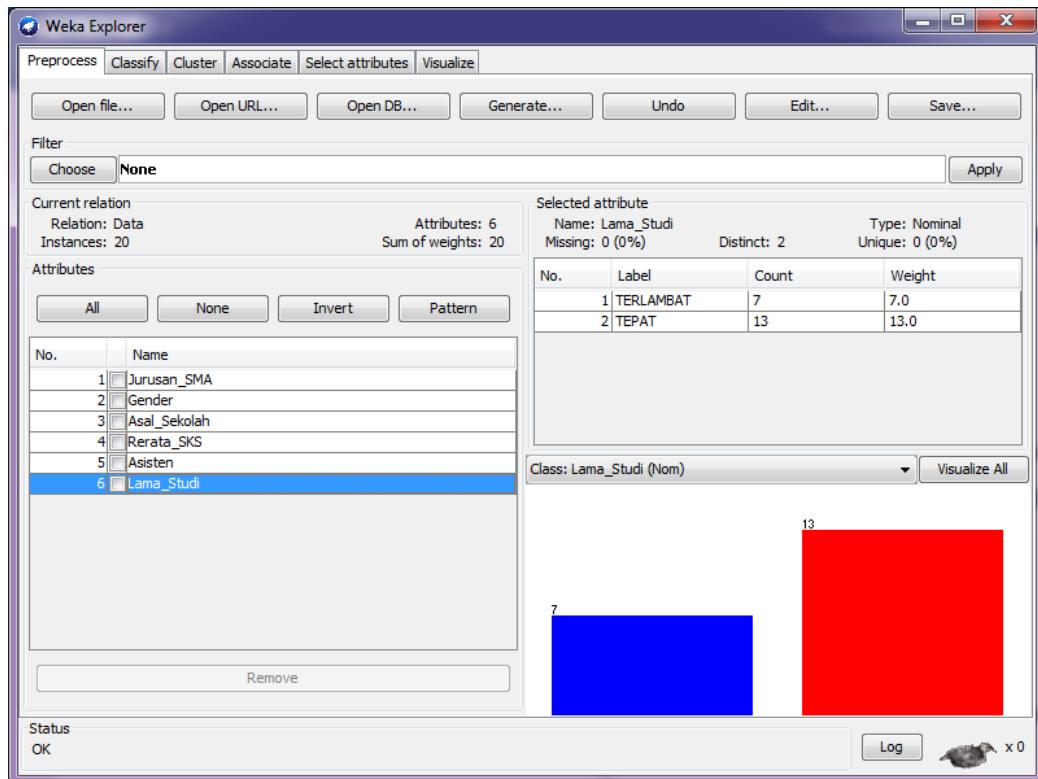
-Rerata_SKS



- Asisten



Lama_Studi



4. Jumlah atribut

Binomial : 4

Polynomial : 1

5. atribut bertipe real 1

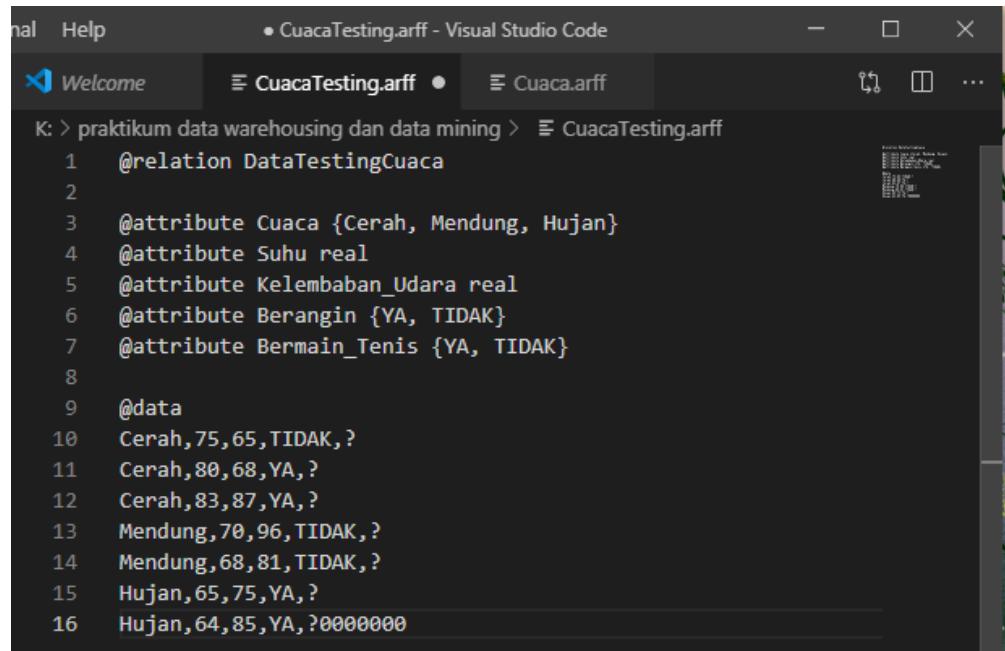
6.

Statistic	Value
Minimum	16
Maximum	23
Mean	18.95
StdDev	1.669

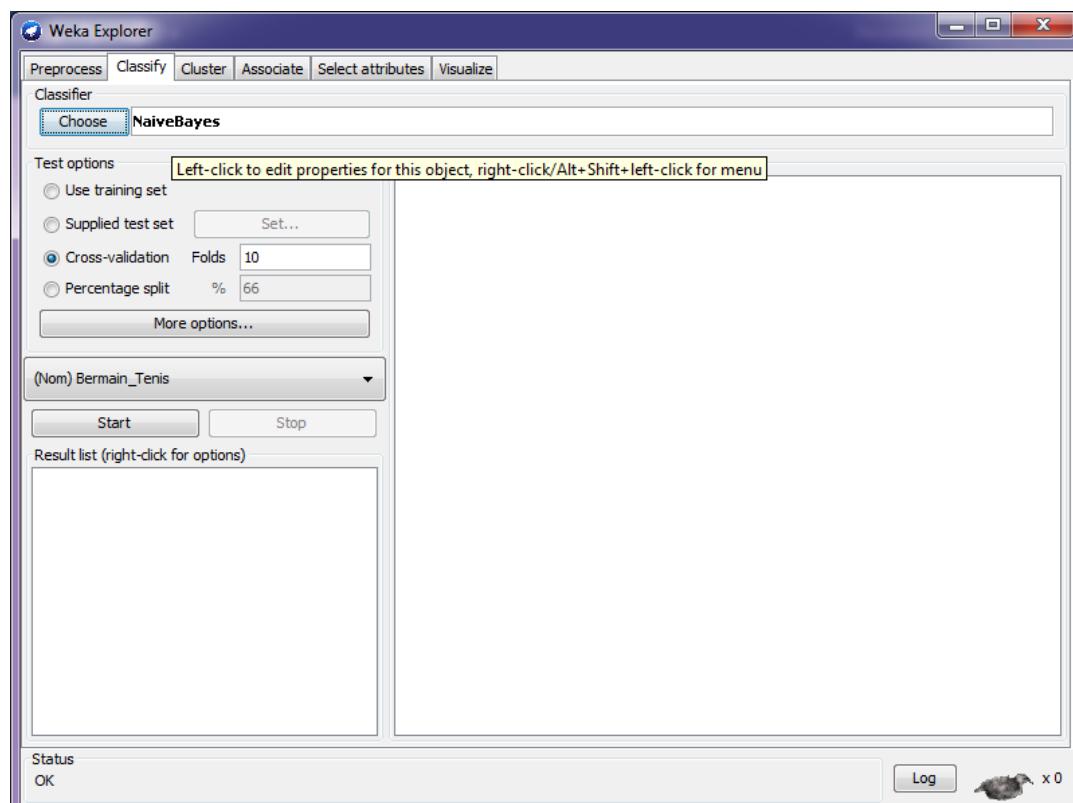
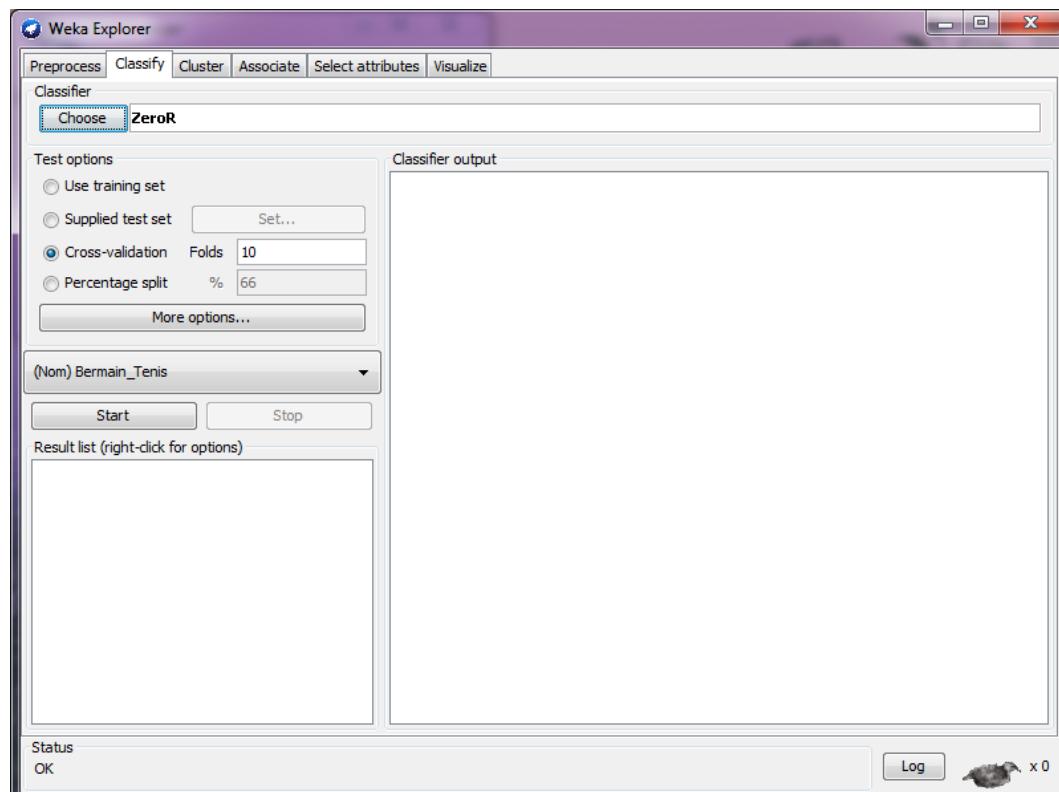
Nama : FIDA AMY N A
NIM : L200170075
Kelas : C
Modul ke : 8

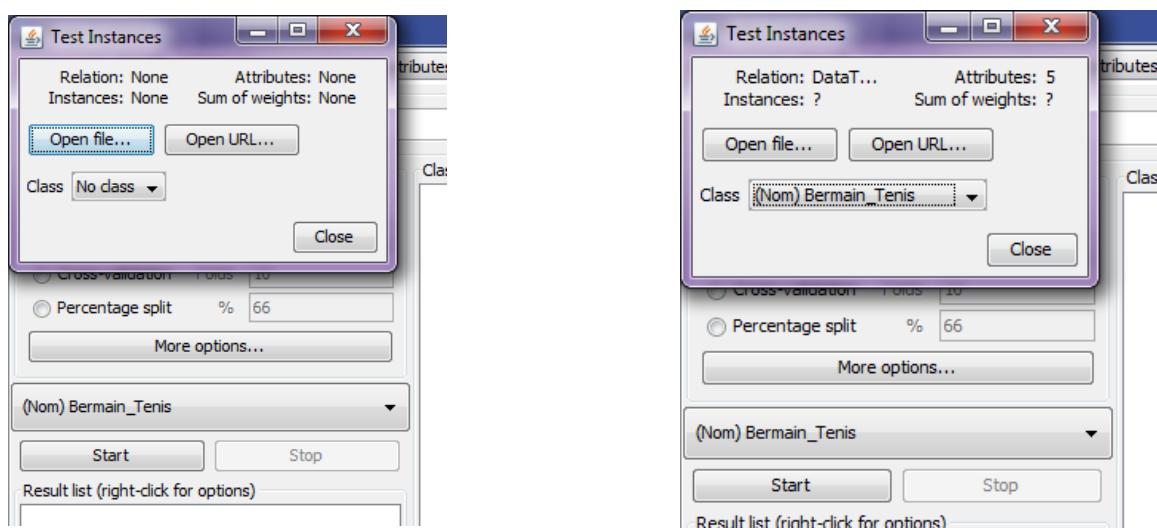
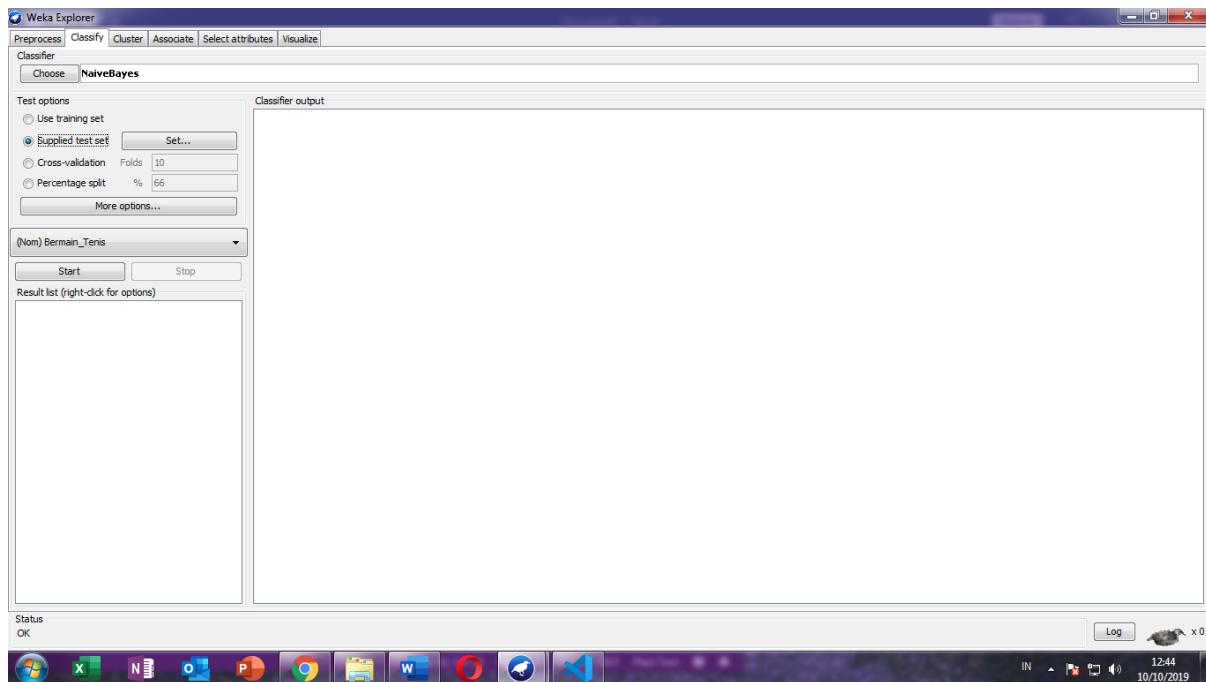
PERCOBAAN

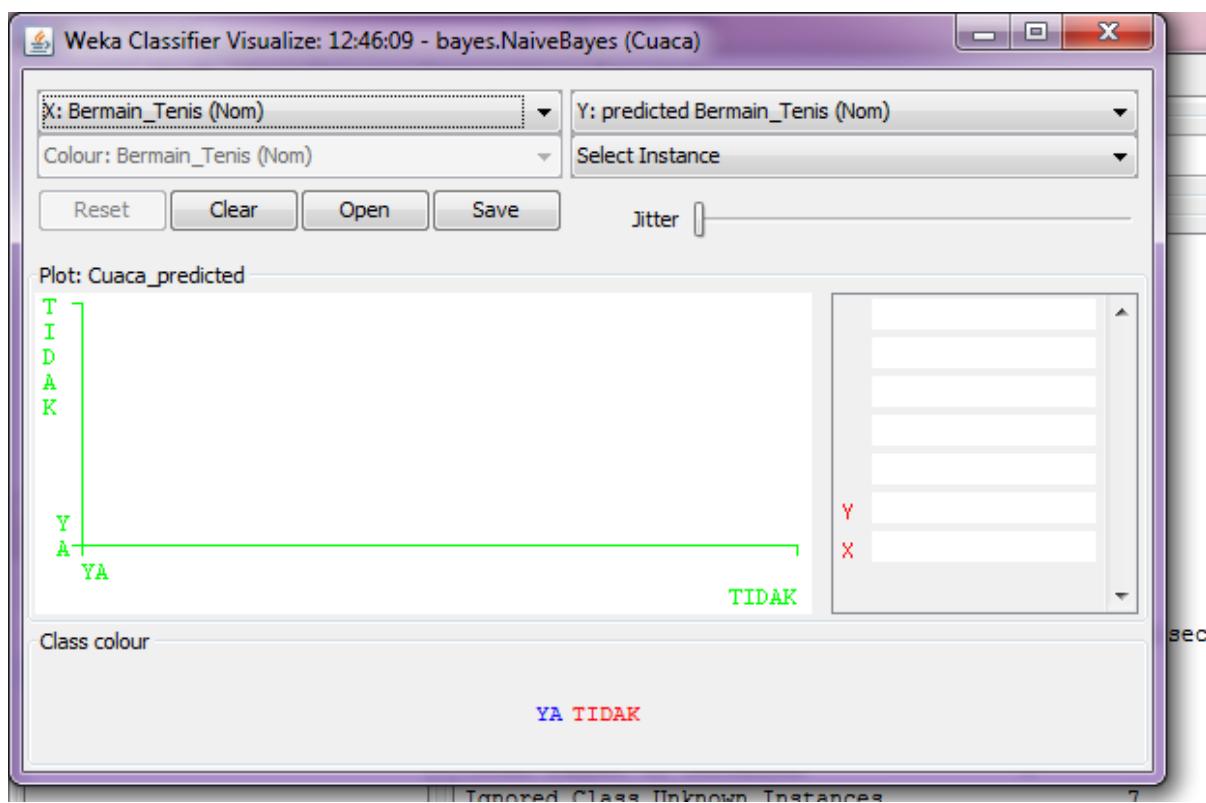
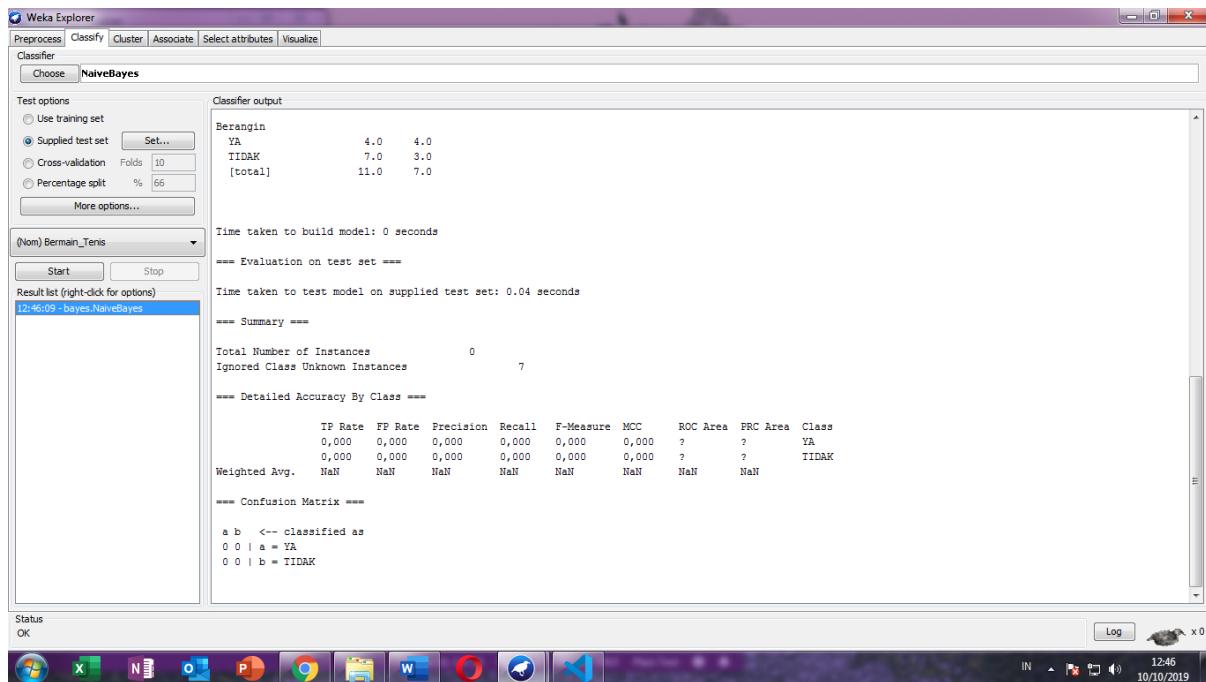
-MENGGUNAKAN WEKA

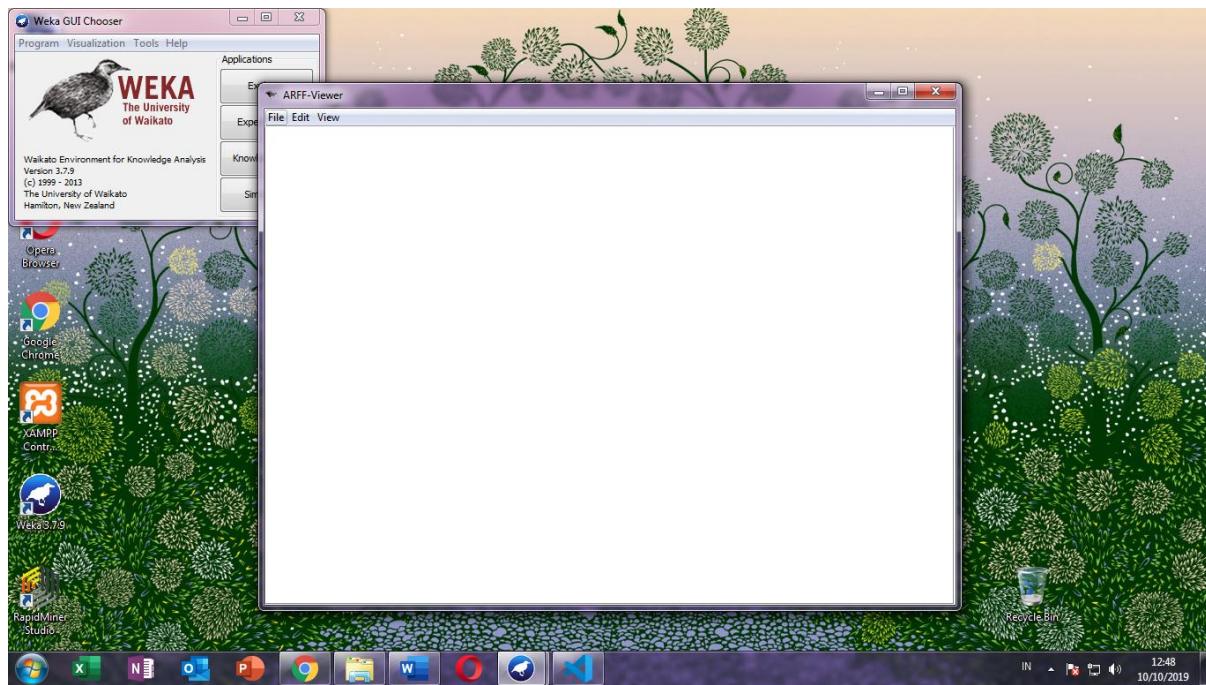


```
nal Help • CuacaTesting.arff - Visual Studio Code
Welcome CuacaTesting.arff Cuaca.arff
K: > praktikum data warehousing dan data mining > CuacaTesting.arff
1 @relation DataTestingCuaca
2
3 @attribute Cuaca {Cerah, Mendung, Hujan}
4 @attribute Suhu real
5 @attribute Kelembaban_Udara real
6 @attribute Berangin {YA, TIDAK}
7 @attribute Bermain_Tenis {YA, TIDAK}
8
9 @data
10 Cerah,75,65,TIDAK,?
11 Cerah,80,68,YA,?
12 Cerah,83,87,YA,?
13 Mendung,70,96,TIDAK,?
14 Mendung,68,81,TIDAK,?
15 Hujan,65,75,YA,?
16 Hujan,64,85,YA,?00000000
```









Relation: Cuaca_predicted							
No.	1: Cuaca Nominal	2: Suhu Numeric	3: Kelembaban_Udara Numeric	4: Berangin Nominal	5: prediction margin Numeric	6: predicted Bermain_Tenis Nominal	7: Bermain_Tenis Nominal
1	Cerah	75.0	65.0	TIDAK	0.762765	YA	
2	Cerah	80.0	68.0	YA	0.087878	YA	
3	Cerah	83.0	87.0	YA	-0.676866	TIDAK	
4	Mendung	70.0	96.0	TIDAK	0.628523	YA	
5	Mendung	68.0	81.0	TIDAK	0.833996	YA	
6	Hujan	65.0	75.0	YA	0.253733	YA	
7	Hujan	64.0	85.0	YA	-0.160143	TIDAK	

- MENGGUNAKAN RAPID MINER

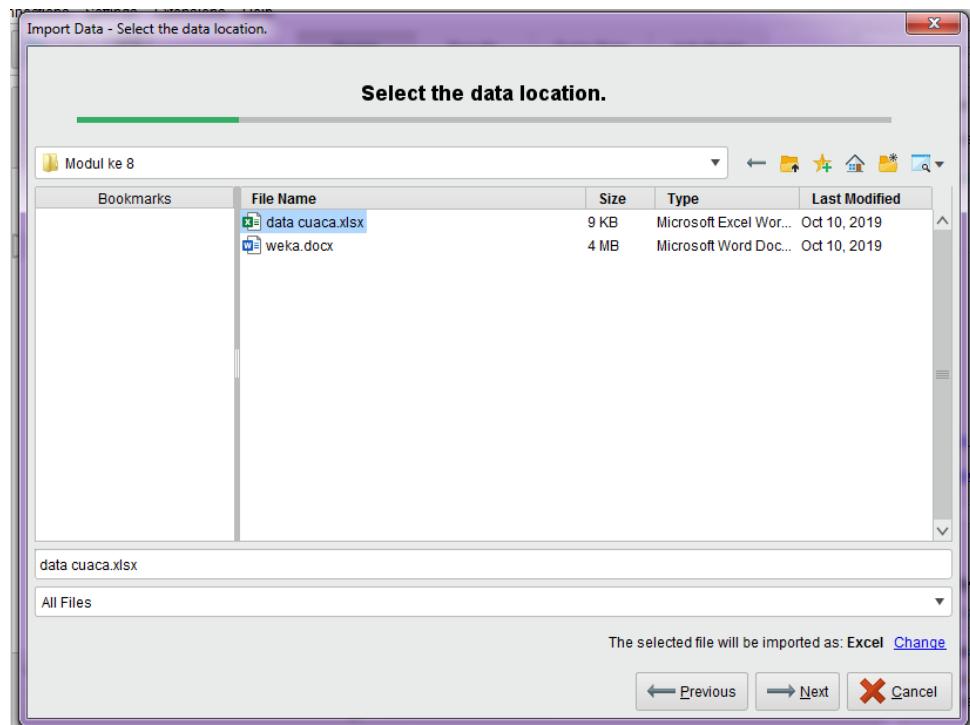
The screenshot shows a Microsoft Excel spreadsheet titled "Book1 - Excel". The data is organized into columns A through S, with rows numbered from 1 to 23. The columns represent variables: Cuaca (Weather), Suhu (Temperature), Kelembaban_udara (Humidity), Berangin (Wind), and Bermain_Tenis (Playing Tennis). The data points are as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Cuaca	Suhu	Kelembaban_udara	Berangin	Bermain_Tenis														
2	Cerah	85		85	TIDAK	TIDAK													
3	Cerah	80		90	TIDAK	YA													
4	Mendung	83		86	TIDAK	YA													
5	Hujan	70		96	TIDAK	YA													
6	Hujan	68		80	TIDAK	YA													
7	Hujan	65		70	YA	TIDAK													
8	Mendung	64		65	YA	YA													
9	Cerah	72		95	TIDAK	TIDAK													
10	Cerah	69		70	TIDAK	YA													
11	Hujan	75		80	TIDAK	YA													
12	Cerah	75		70	YA	YA													
13	Mendung	72		90	YA	YA													
14	Mendung	81		75	TIDAK	YA													
15	Hujan	71		91	YA	TIDAK													
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			

The ribbon at the top shows the tabs: File, Home, Insert, Page Layout, Formulas, Data, Review, View, Help, and Tell me what you want to do. The status bar at the bottom shows the date and time: 10/10/2019, 13:00.

The screenshot shows a Microsoft Excel spreadsheet with columns A through F. The data points are as follows:

	A	B	C	D	E	F
1	Cuaca	Suhu	Kelembab	Berangin		
2	Cerah		75	65	TIDAK	
3	Cerah		80	68	YA	
4	Cerah		83	87	YA	
5	Mendung		70	96	TIDAK	
6	Mendung		68	81	TIDAK	
7	Hujan		65	75	YA	
8	Hujan		64	85	YA	
9						
10						
11						
12						



Import Data - Select the cells to import.

Select the cells to import.

Sheet: Training ▾ Cell range: A:E Select All Define header row: 1

	A	B	C	D	E
1	Cuaca	Suhu	Kelembaban_udara	Berangin	Bermain_Tenis
2	Cerah	85.000	85.000	TIDAK	TIDAK
3	Cerah	80.000	90.000	TIDAK	YA
4	Mendung	83.000	86.000	TIDAK	YA
5	Hujan	70.000	96.000	TIDAK	YA
6	Hujan	68.000	80.000	TIDAK	YA
7	Hujan	65.000	70.000	YA	TIDAK
8	Mendung	64.000	65.000	YA	YA
9	Cerah	72.000	95.000	TIDAK	TIDAK
10	Cerah	69.000	70.000	TIDAK	YA
11	Hujan	75.000	80.000	TIDAK	YA
12	Cerah	75.000	70.000	YA	YA
13	Mendung	72.000	90.000	YA	YA
14	Mendung	81.000	75.000	TIDAK	YA
...

← Previous → Next X Cancel

Import Data - Format your columns.

Format your columns.

Replace errors with missing values ⓘ

	Cuaca polynominal	Suhu integer	Kelembaban_u... integer	Berangin polynominal	Bermain_Tenis binominal
1	Cerah	85	85	TIDAK	TIDAK
2	Cerah	80	90	TIDAK	YA
3	Mendung	83	86	TIDAK	YA
4	Hujan	70	96	TIDAK	YA
5	Hujan	68	80	TIDAK	YA
6	Hujan	65	70	YA	TIDAK
7	Mendung	64	65	YA	YA
8	Cerah	72	95	TIDAK	TIDAK
9	Cerah	69	70	TIDAK	YA
10	Hujan	75	80	TIDAK	YA
11	Cerah	75	70	YA	YA
12	Mendung	72	90	YA	YA
13	Mendung	81	75	TIDAK	YA

 no problems.

 Previous  Next  Cancel

Import Data - Format your columns.

Format your columns.

Replace errors with missing values ⓘ

	Cuaca polynominal	Suhu integer	Kelembaban_u... integer	Berangin polynominal	Bermain_Tenis binominal
1	Cerah				
2	Cerah				
3	Mendung				
4	Hujan				
5	Hujan				
6	Hujan				
7	Mendung				
8	Cerah				
9	Cerah	69	70	TIDAK	YA
10	Hujan	75	80	TIDAK	YA
11	Cerah	75	70	YA	YA
12	Mendung	72	90	YA	YA
13	Mendung	81	75	TIDAK	YA

 no problems.

 Previous  Next  Cancel

 Change role

Please enter the new role:

 OK  Cancel

Bermain_Tenis	
<i>binomial</i>	
<i>label</i>	
TIDAK	
YA	
YA	
YA	
YA	
TIDAK	

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators... etc All Studio

Result History ExampleSet //Local Repository/DataCuaca_Training

Open in Turbo Prep Auto Model Filter (14 / 14 examples): all

Row No.	Bermain_Te...	Cuaca	Suhu	Kelembaban...	Berangin
1	TIDAK	Cerah	85	85	TIDAK
2	YA	Cerah	80	90	TIDAK
3	YA	Mendung	83	86	TIDAK
4	YA	Hujan	70	96	TIDAK
5	YA	Hujan	68	80	TIDAK
6	TIDAK	Hujan	65	70	YA
7	YA	Mendung	64	65	YA
8	TIDAK	Cerah	72	95	TIDAK
9	YA	Cerah	69	70	TIDAK
10	YA	Hujan	75	80	TIDAK
11	YA	Cerah	75	70	YA
12	YA	Mendung	72	90	YA
13	YA	Mendung	81	75	TIDAK

ExampleSet (14 examples, 1 special attribute, 4 regular attributes)

Repository

- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB (Legacy)
- Local Repository (LABSI-01)
 - Connections (LABSI-01)
 - data (LABSI-01)
 - processes (LABSI-01)
 - DataCuaca_Training (LABSI-01 - v)

13:10 10/10/2019

12.

Import Data - Select the cells to import.

Select the cells to import.

Sheet: Testing ▾ Cell range: A:E Select All Define header row: 1

	A	B	C	D	E
1	Cuaca	Suhu	Kelembaban_udara	Berangin	Bermain_Tenis
2	Cerah	75.000	65.000	TIDAK	
3	Cerah	80.000	68.000	YA	
4	Cerah	83.000	87.000	YA	
5	Mendung	70.000	96.000	TIDAK	
6	Mendung	68.000	81.000	TIDAK	
7	Hujan	65.000	75.000	YA	
8	Hujan	64.000	85.000	YA	

← Previous → Next ✖ Cancel

Import Data - Format your columns.

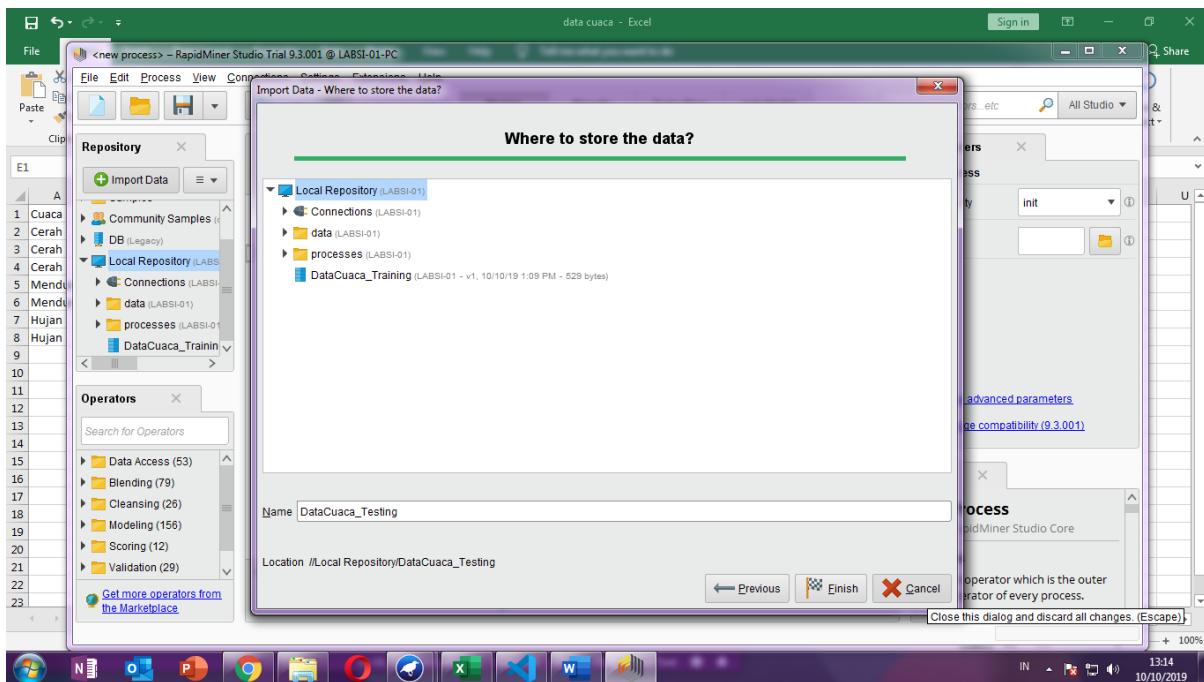
Format your columns.

Replace errors with missing values ⓘ

	Cuaca polynomial	Suhu integer	Kelembaban_udara integer	Berangin polynomial	Bermain_Tenis binomial label
1	Cerah	75	65	TIDAK	?
2	Cerah	80	68	YA	?
3	Cerah	83	87	YA	?
4	Mendung	70	96	TIDAK	?
5	Mendung	68	81	TIDAK	?
6	Hujan	65	75	YA	?
7	Hujan	64	85	YA	?

✓ no problems.

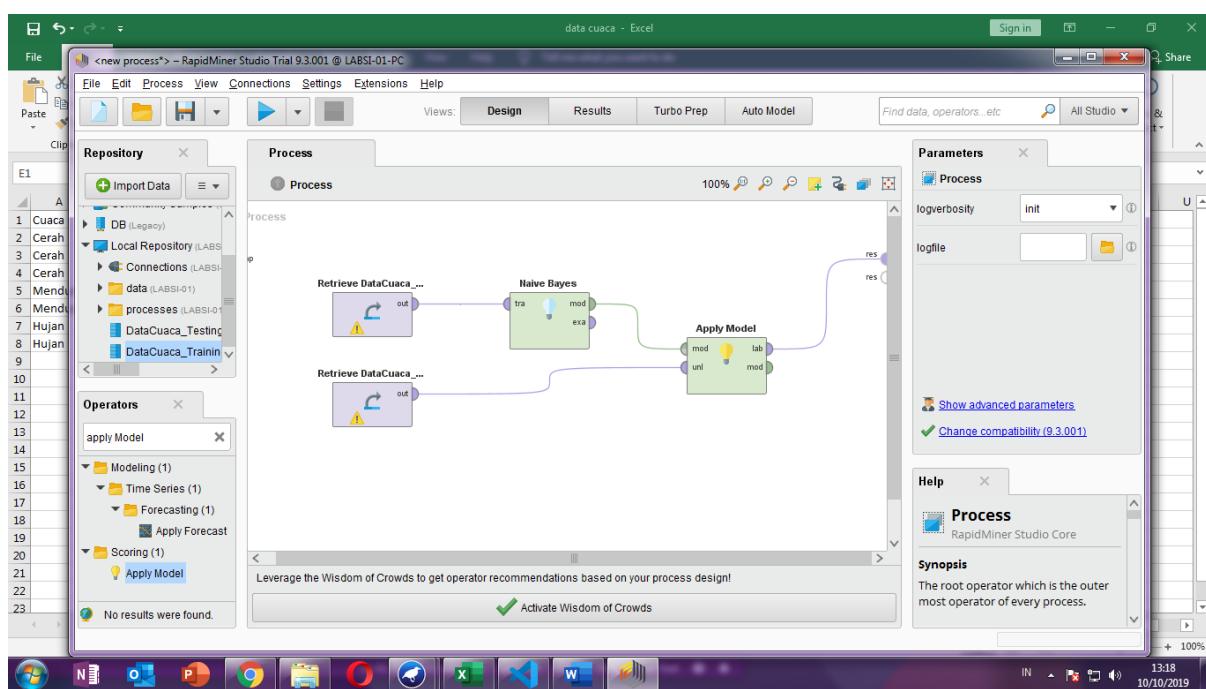
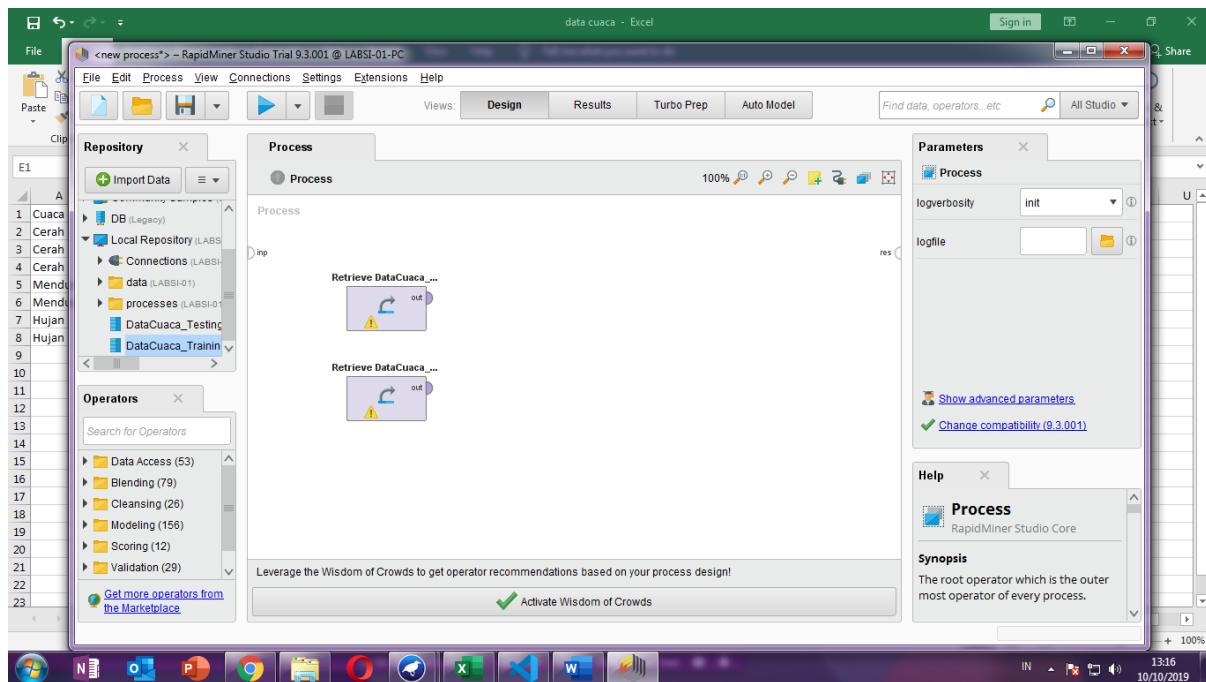
← Previous → Next ✖ Cancel



The screenshot shows the RapidMiner Studio interface with the Results tab selected. It displays two ExampleSets: DataCuaca_Training and DataCuaca_Testing. The Data pane shows a table with 7 examples. The table has columns: Row No., Bermain_Te..., Cuaca, Suhu, Kelembaban..., and Berangin. The data is as follows:

Row No.	Bermain_Te...	Cuaca	Suhu	Kelembaban...	Berangin
1	?	Cerah	75	65	TIDAK
2	?	Cerah	80	68	YA
3	?	Cerah	83	87	YA
4	?	Mendung	70	96	TIDAK
5	?	Mendung	68	81	TIDAK
6	?	Hujan	65	75	YA
7	?	Hujan	64	85	YA

14.



Screenshot of RapidMiner Studio Trial 9.3.001 showing the Results view for the "ExampleSet (Apply Model)" process.

The Results view displays the following information:

- Data View:** Shows a table of 7 examples with attributes: Bermain_Tenis, prediction(Bernain_Tenis), confidence(TIDAK), confidence(YA), Cuaca, Suhu, Kelembaban..., and Berangin.
- Statistics View:** Shows the distribution of attributes.
- Visualizations View:** Shows a scatter plot of Cuaca vs Suhu.
- Annotations View:** Shows annotations for the data.

The Repository panel on the right shows the Local Repository with DataCuaca_Training and DataCuaca_Testing processes.

Screenshot of RapidMiner Studio Trial 9.3.001 showing the Results view for the "ExampleSet (Apply Model)" process.

The Results view displays the following information:

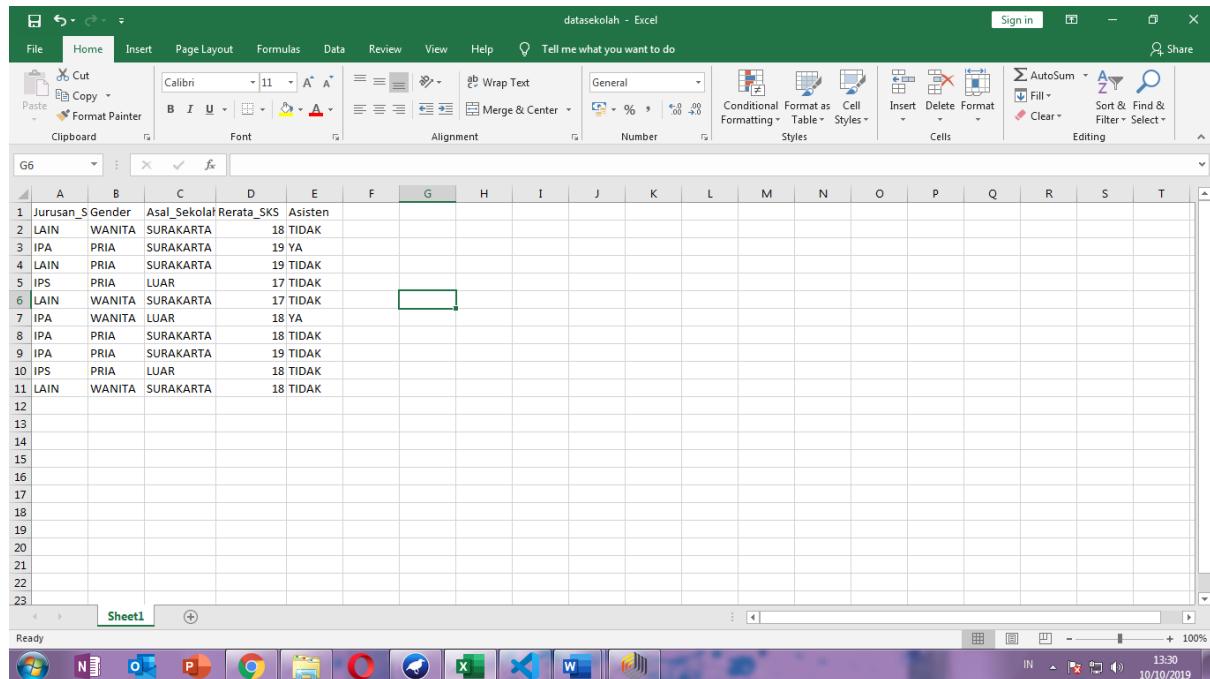
- Data View:** Shows a table of 8 attributes: Name, Type, Missing, and Filter (Least, Most).
- Attributes:**
 - Bermain_Tenis:** Binomial, 7 missing.
 - Prediction:** Binomial, 0 missing. Sub-rows: prediction(Bermain_Tenis) and confidence(TIDAK).
 - Cuaca:** Polynominal, 0 missing. Sub-rows: Confidence_TIDAK and confidence(YA).
 - Suhu:** Integer, 0 missing. Sub-rows: Confidence_YA and confidence(YA).

The Repository panel on the right shows the Local Repository with DataCuaca_Training and DataCuaca_Testing processes.

Nama : FIDA AMY N A
 NIM : L20170075
 Kelas : C
 Modul ke : 8

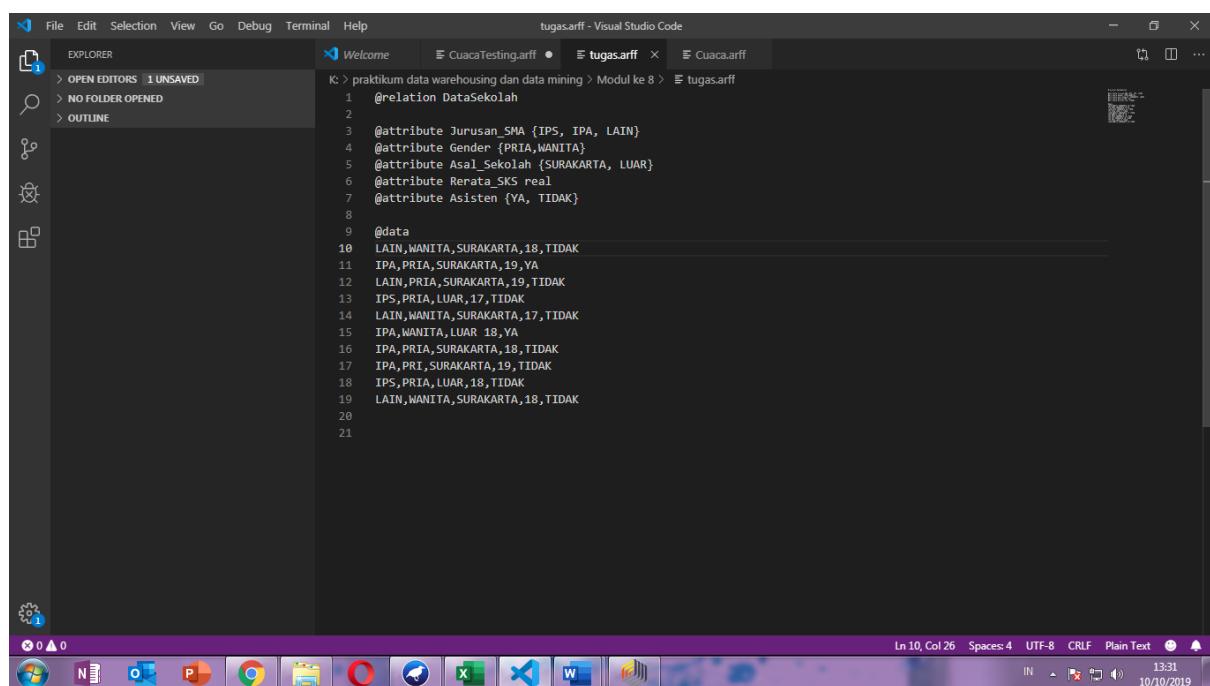
TUGAS

1.



The screenshot shows a Microsoft Excel spreadsheet titled "datasetolah - Excel". The data is organized into columns: A (Index), B (Jurusan_S), C (Gender), D (Asal_Sekolah), E (Rerata_SKS), and F (Asisten). The data rows are as follows:

	Jurusan_S	Gender	Asal_Sekolah	Rerata_SKS	Asisten
1	JURUSAN_S	GENDER	ASAL_SEKOLAH	rerata_SKS	asisten
2	LAIN	WANITA	SURAKARTA	18	TIDAK
3	IPA	PRIA	SURAKARTA	19	YA
4	LAIN	PRIA	SURAKARTA	19	TIDAK
5	IPS	PRIA	LUAR	17	TIDAK
6	LAIN	WANITA	SURAKARTA	17	TIDAK
7	IPA	WANITA	LUAR	18	YA
8	IPA	PRIA	SURAKARTA	18	TIDAK
9	IPA	PRIA	SURAKARTA	19	TIDAK
10	IPS	PRIA	LUAR	18	TIDAK
11	LAIN	WANITA	SURAKARTA	18	TIDAK
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					



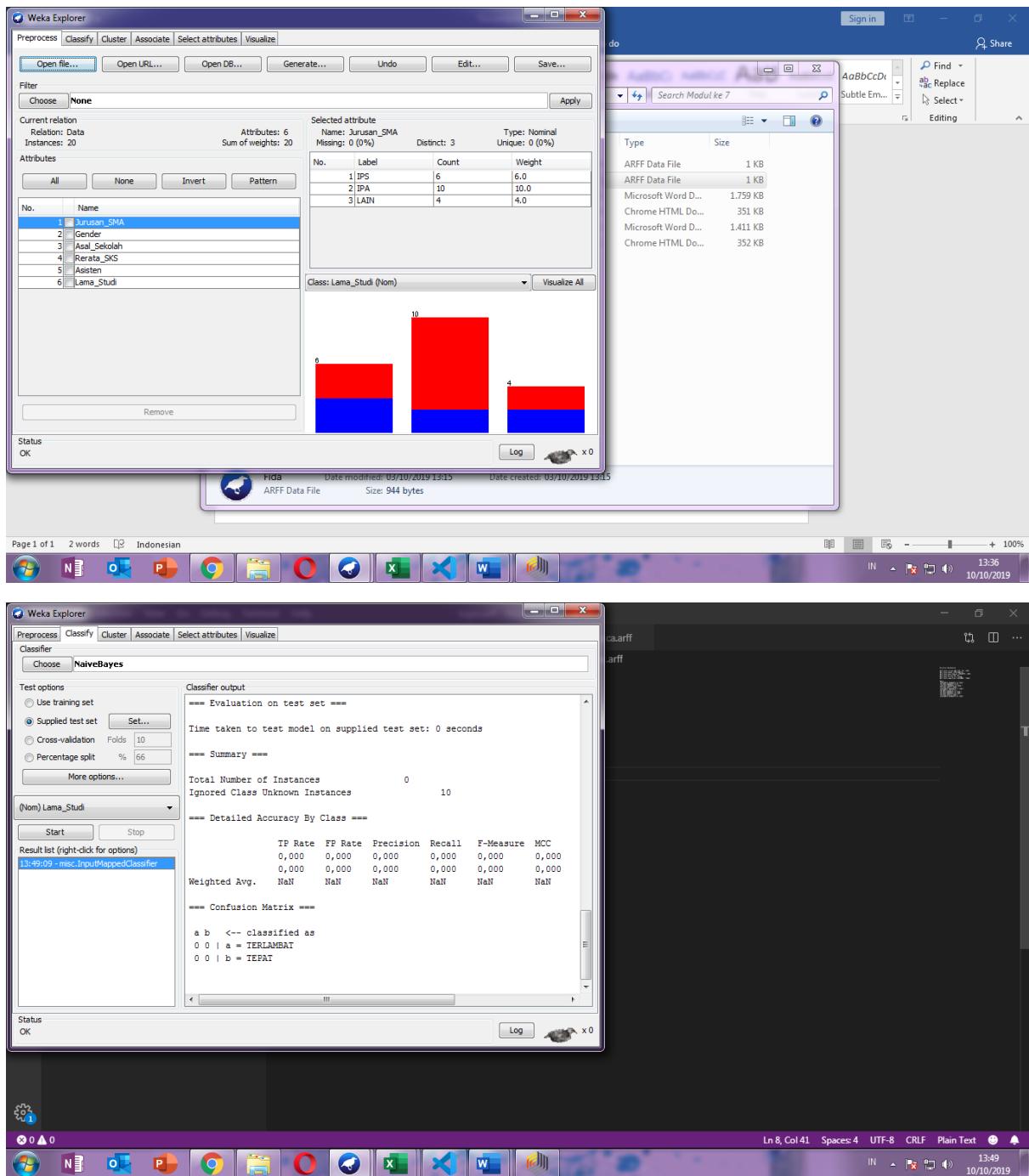
The screenshot shows a Visual Studio Code window with an ARFF file named "tugas.arff". The code defines a relation "DataSekolah" with the following schema and data:

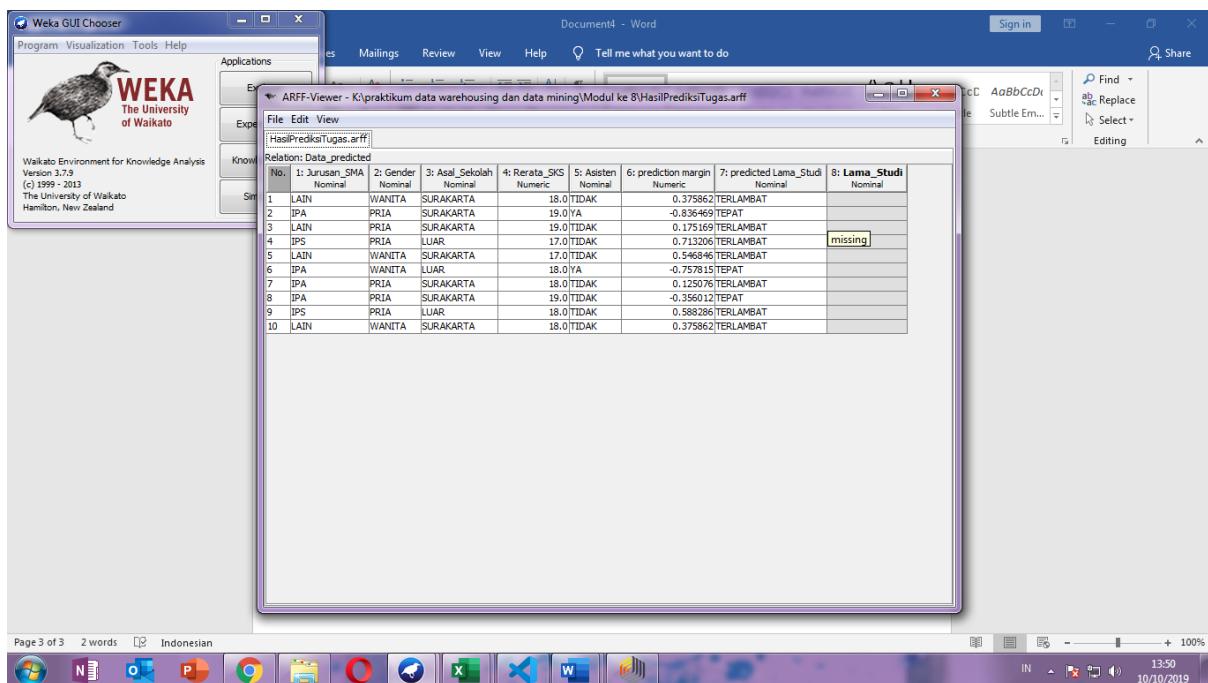
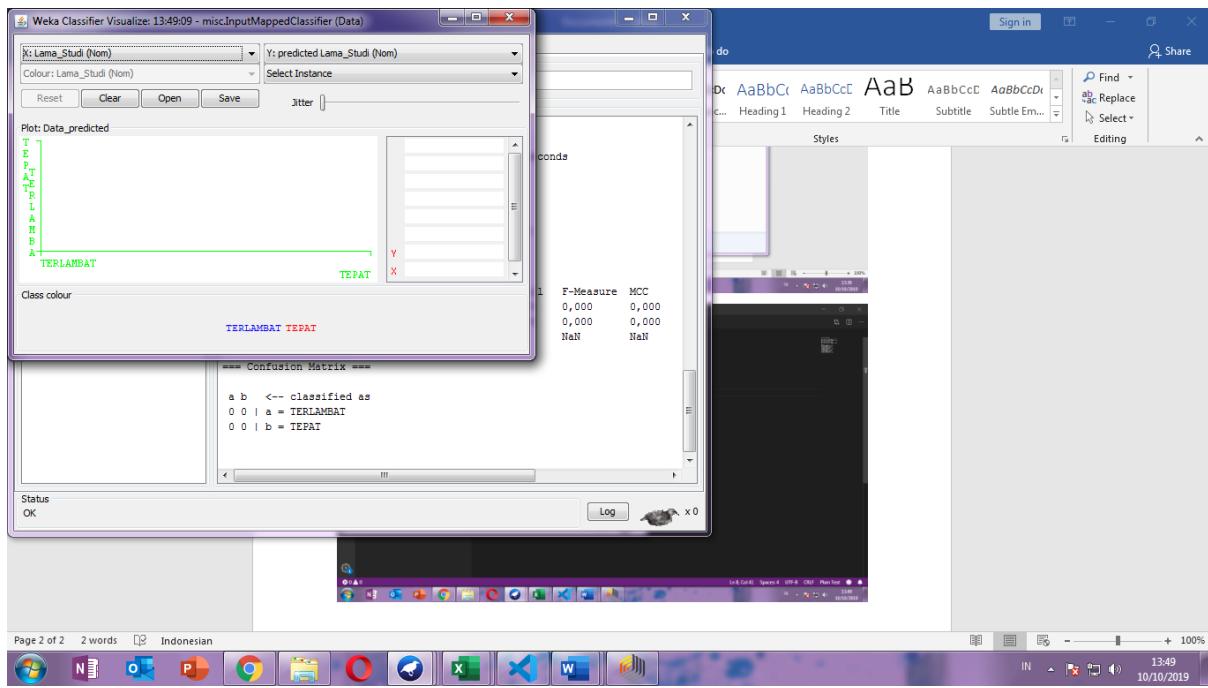
```

relation DataSekolah
attribute Jurusan_SMA {IPS, IPA, LAIN}
attribute Gender {PRIA, WANITA}
attribute Asal_Sekolah {SURAKARTA, LUAR}
attribute Rerata_SKS real
attribute Asisten {YA, TIDAK}

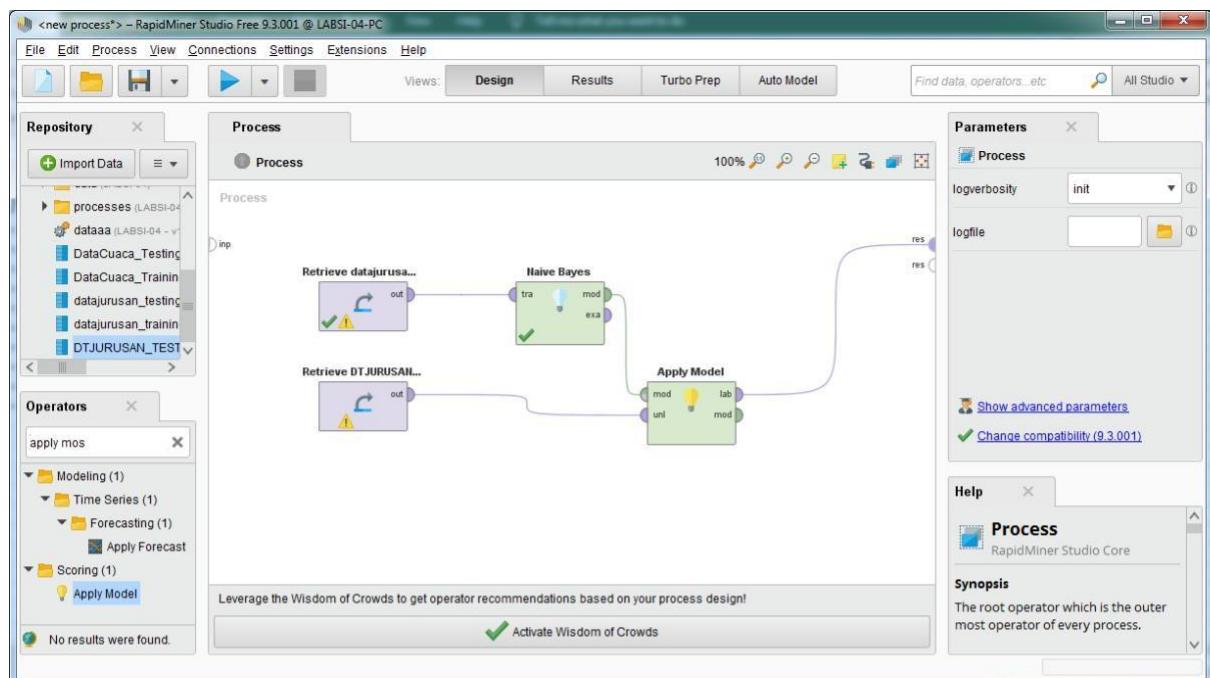
LAIN,WANITA,SURAKARTA,18,TIDAK
IPA,PRIA,SURAKARTA,19,YA
LAIN,PRIA,SURAKARTA,19,TIDAK
IPS,PRIA,LUAR,17,TIDAK
LAIN,WANITA,SURAKARTA,17,TIDAK
IPA,WANITA,LUAR,18,YA
IPA,PRIA,SURAKARTA,18,TIDAK
IPA,PRI,SURAKARTA,19,TIDAK
IPS,PRIA,LUAR,18,TIDAK
LAIN,WANITA,SURAKARTA,18,TIDAK
  
```

2.





3.



RapidMiner Studio Free 9.3.001 @ LABSI-04-PC

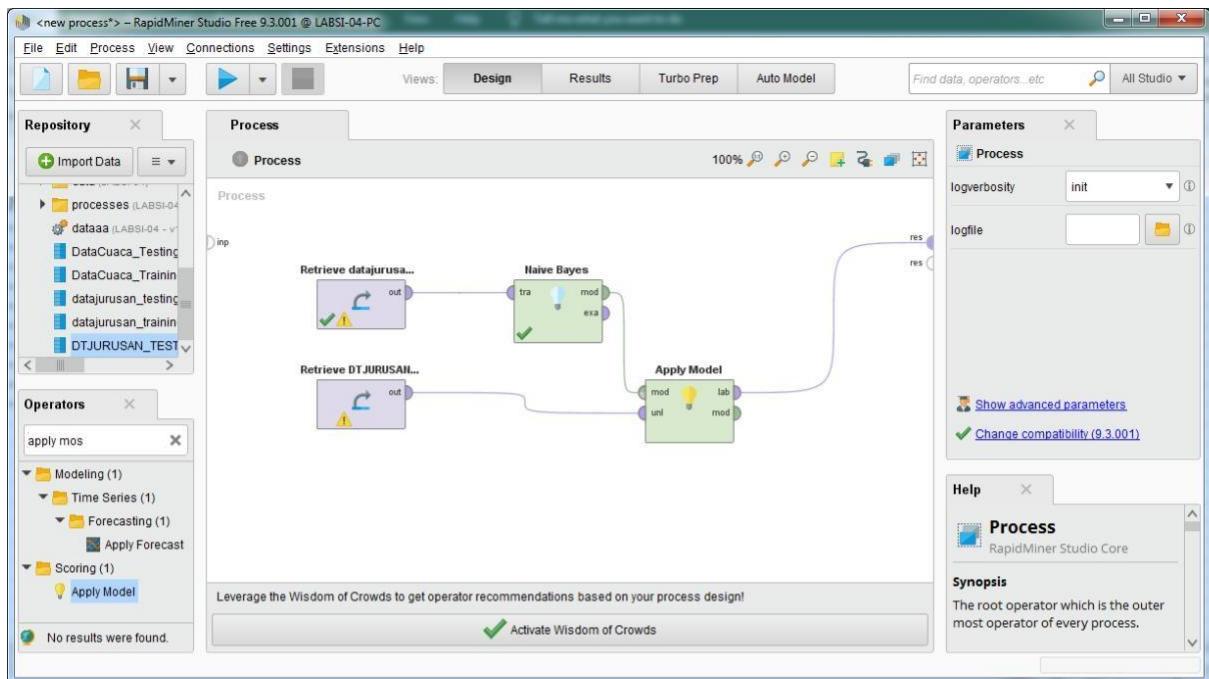
Result History

Row No.	prediction(L...	confidence_...	confidence_...	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS	Asi
1	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18	TID
2	TEPAT	0.005	0.995	IPA	PRIA	SURAKARTA	19	YA
3	TERLAMBAT	0.650	0.350	LAIN	PRIA	SURAKARTA	19	TID
4	TERLAMBAT	0.868	0.132	IPS	PRIA	LUAR	17	TID
5	TERLAMBAT	0.738	0.262	LAIN	WANITA	SURAKARTA	17	TID
6	TEPAT	0.005	0.995	IPA	WANITA	LUAR	18	YA
7	TERLAMBAT	0.547	0.453	IPA	PRIA	SURAKARTA	18	TID
8	TEPAT	0.321	0.679	IPA	PRIA	SURAKARTA	19	TID
9	TERLAMBAT	0.811	0.189	IPS	PRIA	LUAR	18	TID
10	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18	TID

ExampleSet (10 examples, 3 special attributes, 5 regular attributes)

Repository

- Training Resources (connected)
 - Samples
 - Community Samples (connected)
 - DB (Legacy)
 - Local Repository (LABSI-04)
 - Connections (LABSI-04)
 - data (LABSI-04)
 - processes (LABSI-04)
 - dataaa (LABSI-04 - v1, 10/10/19 1:56)
 - DataCuaca_Testing (LABSI-04 - v1)
 - DataCuaca_Training (LABSI-04 - v1)
 - datjurusan_testing (LABSI-04 - v1)
 - datjurusan_training (LABSI-04 - v1)
 - DTJURUSAN_TESTING (LABSI-04)



RapidMiner Studio Free 9.3.001 @ LABSI-04-PC

File Edit Process View Connections Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators... etc All Studio

ExampleSet (//Local Repository/datajurusan_testing)		ExampleSet (//Local Repository/datajurusan_training)		ExampleSet (//Local Repository/DTJURUSAN_TESTING)		Repository	
Result History		ExampleSet (Apply Model)					
Data		Turbo Prep		Auto Model		Import Data	
Row No.	prediction(L...	confidence(L...	confidence(L...	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_SKS
1	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18
2	TEPAT	0.005	0.995	IPA	PRIA	SURAKARTA	19
3	TERLAMBAT	0.650	0.350	LAIN	PRIA	SURAKARTA	19
4	TERLAMBAT	0.868	0.132	IPS	PRIA	LUAR	17
5	TERLAMBAT	0.738	0.262	LAIN	WANITA	SURAKARTA	17
6	TEPAT	0.005	0.995	IPA	WANITA	LUAR	18
7	TERLAMBAT	0.547	0.453	IPA	PRIA	SURAKARTA	18
8	TEPAT	0.321	0.679	IPA	PRIA	SURAKARTA	19
9	TERLAMBAT	0.811	0.189	IPS	PRIA	LUAR	18
10	TERLAMBAT	0.648	0.352	LAIN	WANITA	SURAKARTA	18

Filter (10 / 10 examples): all

ExampleSet (10 examples, 3 special attributes, 5 regular attributes)

The screenshot shows two windows from the RapidMiner interface. On the left is the 'ARFF-Viewer' window titled 'HasilPredksi_Siswa.arff', displaying a table of student data with columns: No., Jurusan_SKS, Gender, Asal_sekolah, Rerata_SKS, Asisten, prediction margin, and predicted Lama_Studi. The data consists of 10 rows of student information. On the right is the 'ExampleSet (Apply Model)' window, which shows the result history for an 'ExampleSet (Apply Model)' process. It includes sections for Data, Statistics, Visualizations, and Annotations, each providing summary statistics for the dataset.

No.	Jurusan_SKS	Gender	Asal_sekolah	Rerata_SKS	Asisten	prediction margin	predicted Lama_Studi
1	LAIN	WANITA	SURAKARTA	18.0	TIDAK	0.375862	TERLAMBAT
2	IPA	PRIA	SURAKARTA	19.0	YA	-0.836469	TERPAT
3	LAIN	PRIA	SURAKARTA	19.0	TIDAK	0.175169	TERLAMBAT
4	IPS	PRIA	LUAR	17.0	TIDAK	0.713206	TERLAMBAT
5	LAIN	WANITA	SURAKARTA	17.0	TIDAK	0.546846	TERLAMBAT
6	IPA	WANITA	LUAR	18.0	YA	-0.757815	TERPAT
7	IPA	PRIA	SURAKARTA	18.0	TIDAK	0.125076	TERLAMBAT
8	IPA	PRIA	SURAKARTA	19.0	TIDAK	-0.356012	TERPAT
9	IPS	PRIA	LUAR	18.0	TIDAK	0.588236	TERLAMBAT
10	LAIN	WANITA	SURAKARTA	18.0	TIDAK	0.375862	TERLAMBAT

No 4

- Rerata confidence TEPAT = 0.476
- Rerata confodence TERLAMBAT = 0.524

No 5

- lulus TEPAT =3
- lulus TERLAMBAT =7

nomor 6 dan 7

The screenshot shows the RapidMiner interface with the following details:

- Title Bar:** Shows five ExampleSets: DataCuaca_Testing, DataCuaca_Training, DataSMA_Testing, DataSMA_Training, and TugasSMA_Testing.
- Result History:** Shows "ExampleSet (Apply Model)".
- Toolbar:** Includes "Open in" (Turbo Prep), "Auto Model", and a "Filter" dropdown set to "all".
- Data View:** A table with the following columns: Row No., prediction(L...), confidence(...), confidence(...), Jurusan_SMA, Gender, Asal_Sekolah, Rerata_Sek..., and Asisten.
- Table Data:**

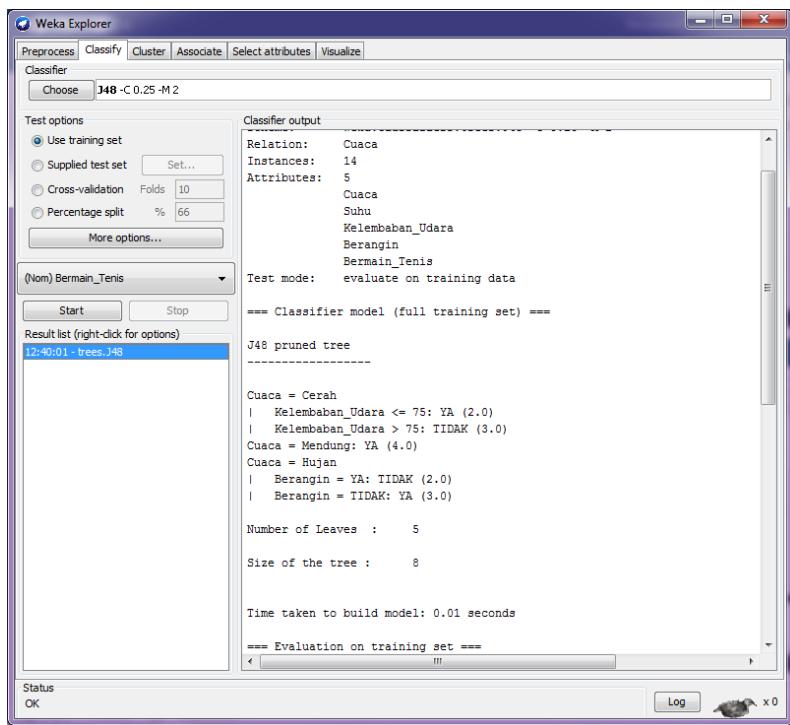
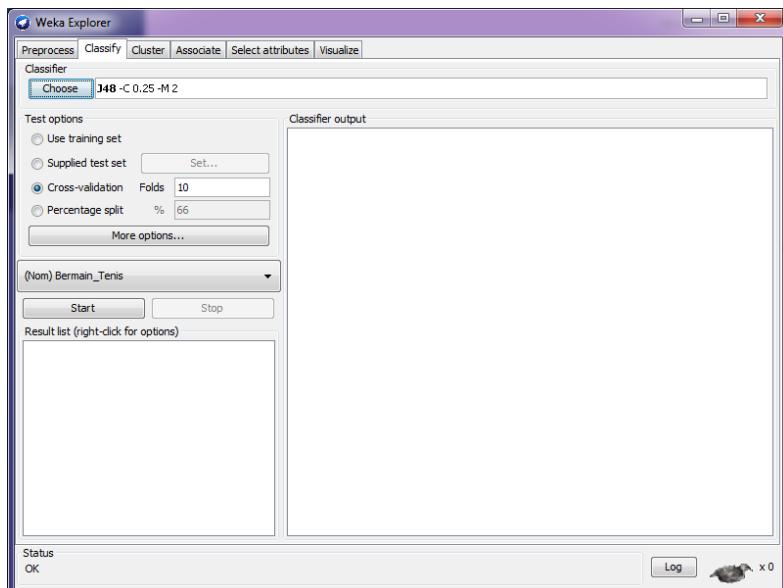
Row No.	prediction(L...)	confidence(...)	confidence(...)	Jurusan_SMA	Gender	Asal_Sekolah	Rerata_Sek...	Asisten
1	TEPAT	0.298	0.702	IPA	WANITA	LUAR	18	TIDAK
2	TEPAT	0.076	0.924	LAIN	PRIA	SURAKARTA	17	YA
- Left Sidebar:** Contains icons for Data, Statistics, Visualizations, and Annotations.

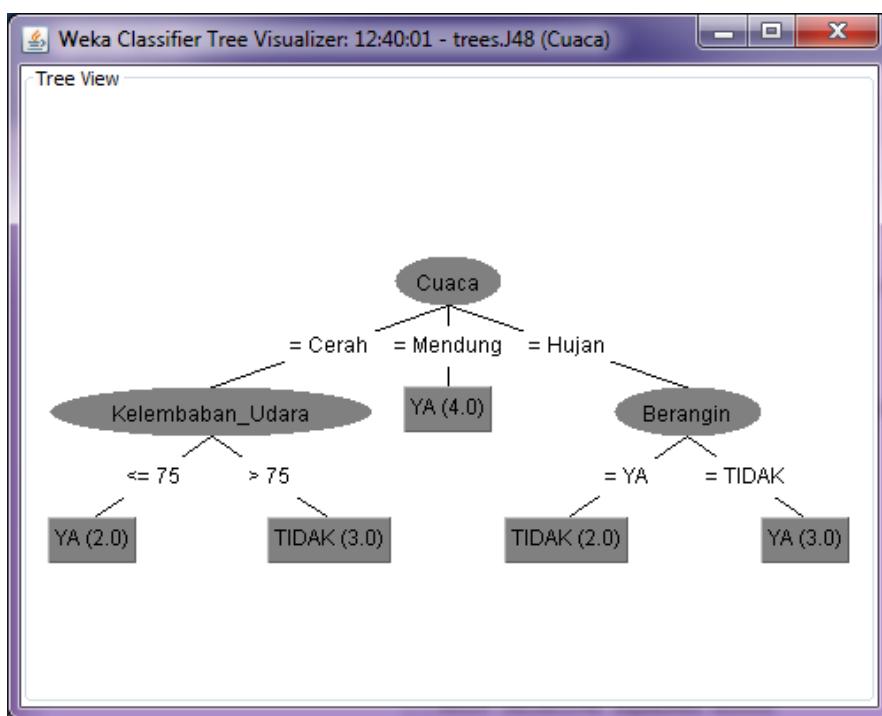
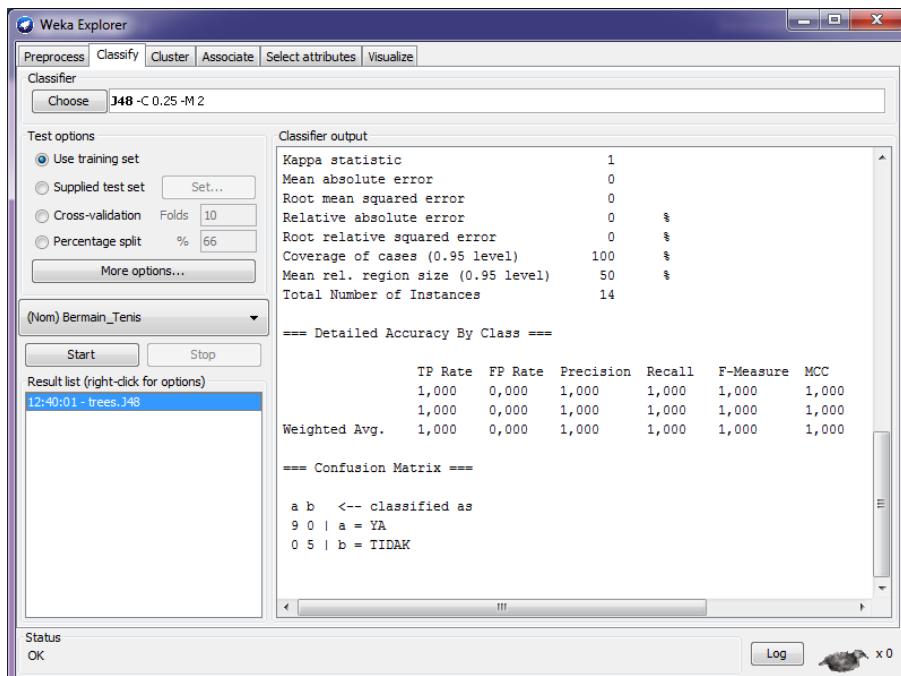
Nama : FIDA AMY N A

NIM : L200170075

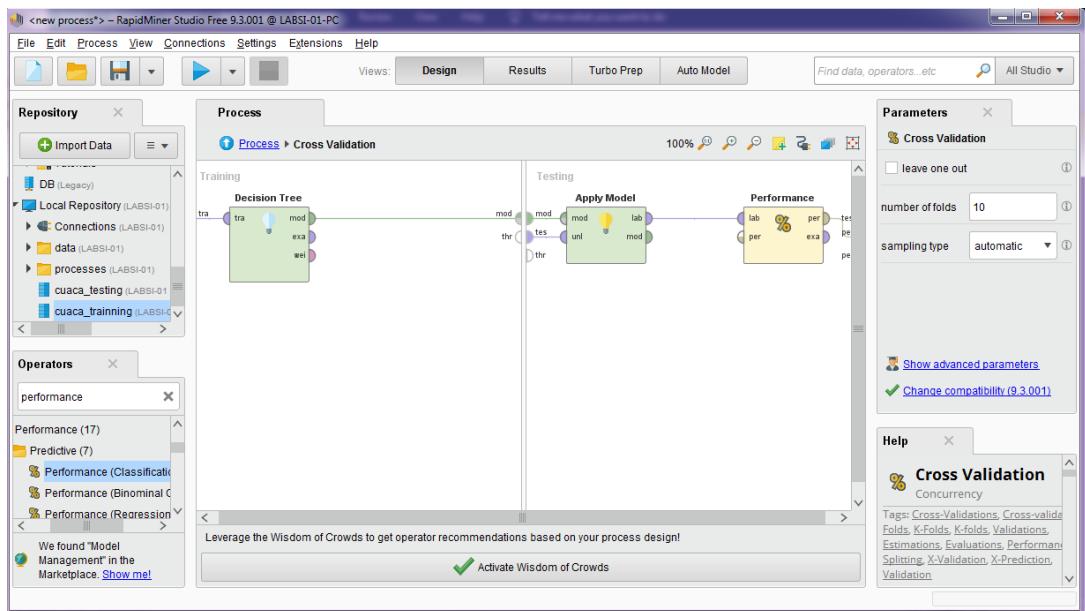
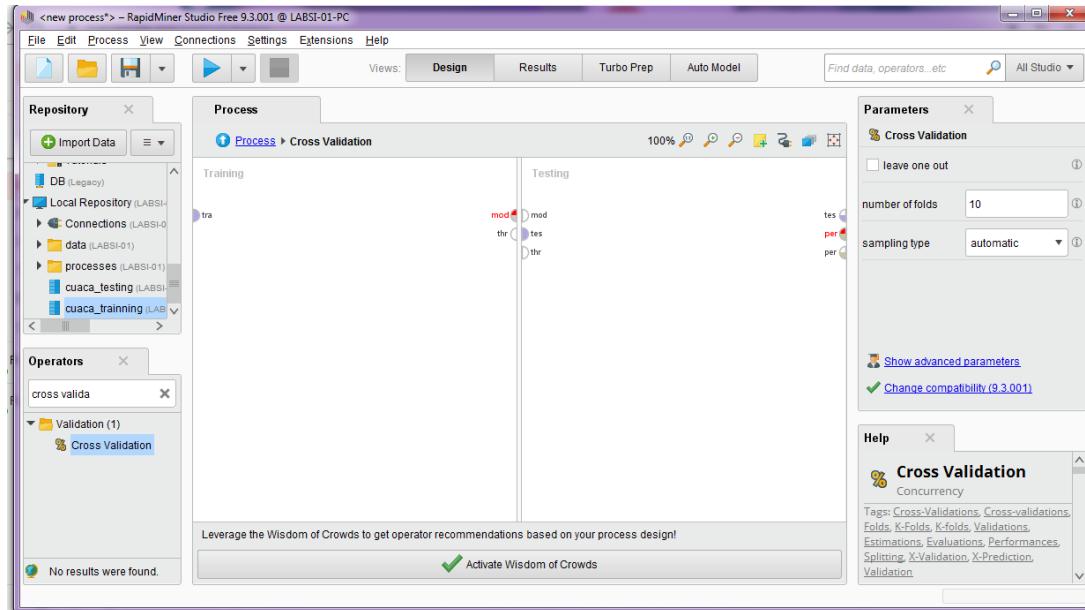
Kleas : C

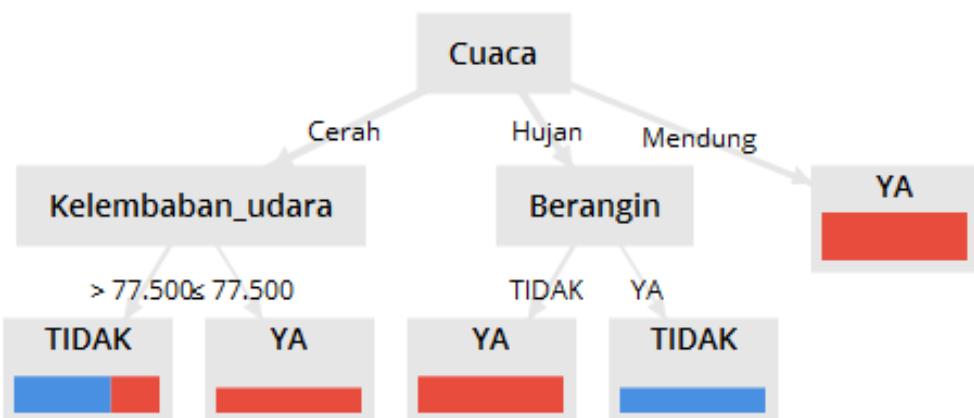
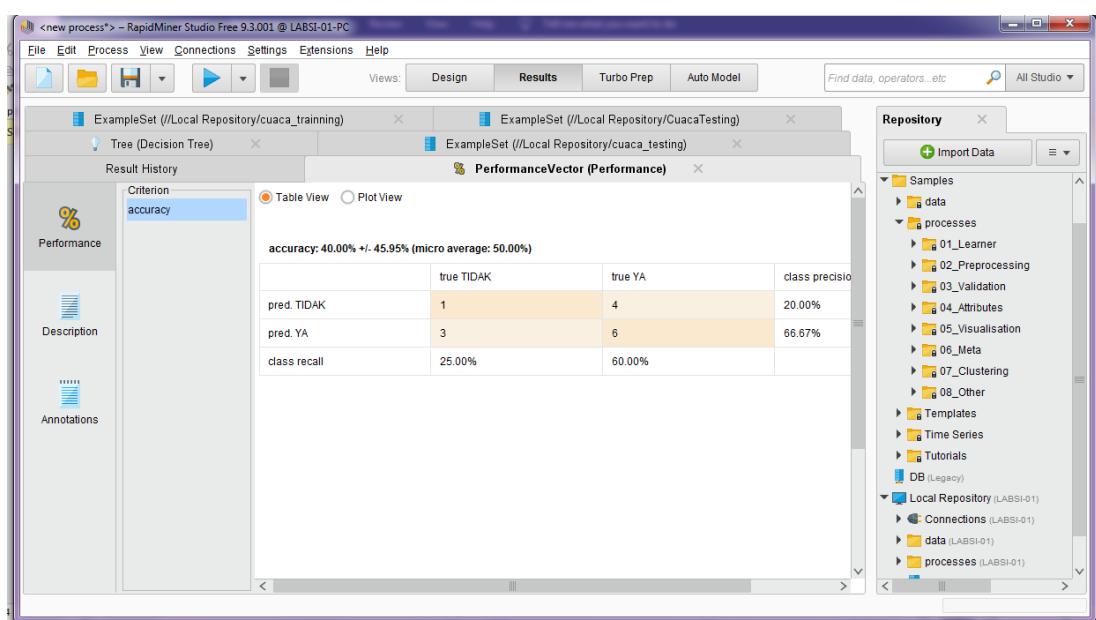
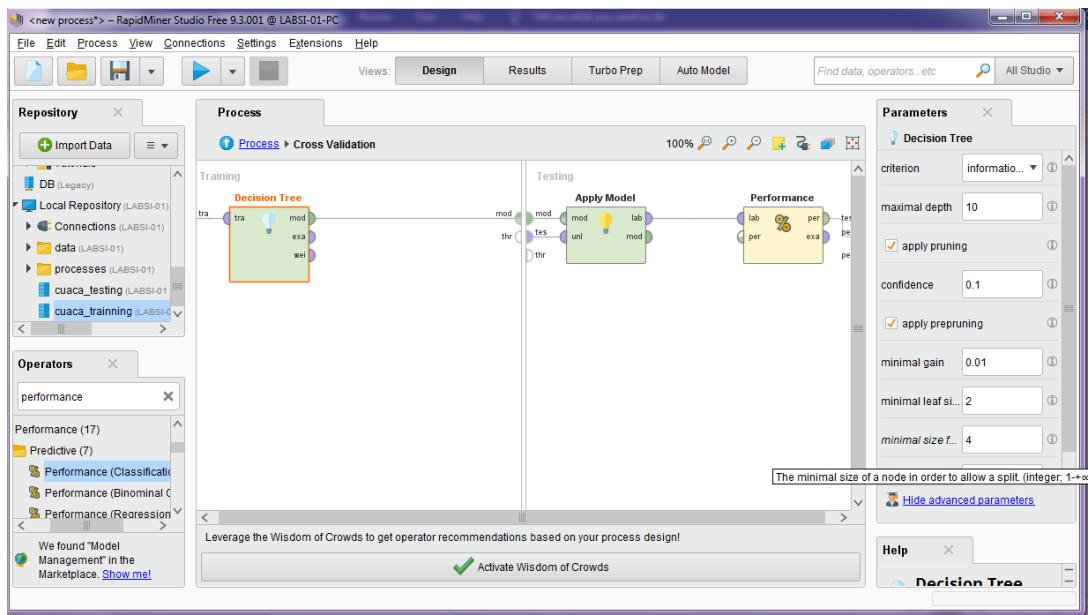
WEKA





RAPID MINER





Nama : FIDA AMY N A

NIM : L200170075

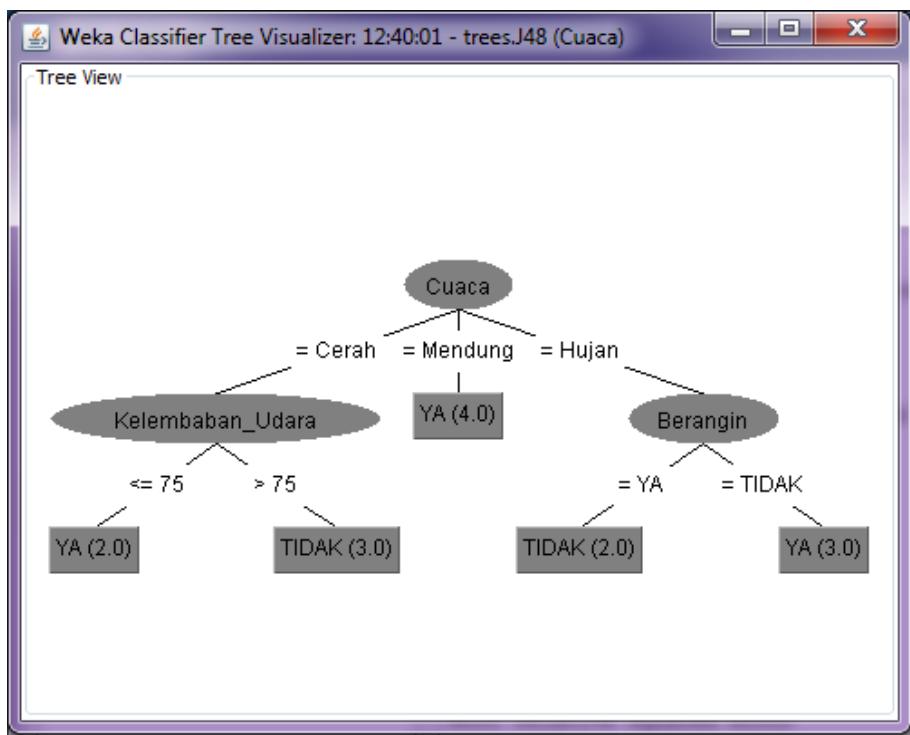
Kelas : C

TUGAS

1.

Cuaca	Suhu	Kelembaban_udara	berangim	Bermain_tenis
Cerah	75	65	TIDAK	YA
Cerah	80	68	YA	YA
Cerah	83	87	YA	TIDAK
Mendung	70	96	TIDAK	YA
Mendung	68	81	TIDAK	YA
Hujan	65	75	TIDAK	YA
Hujan	64	85	YA	TIDAK

2. A.



B. - Number of Leaves : 5

- Size of the tree : 8

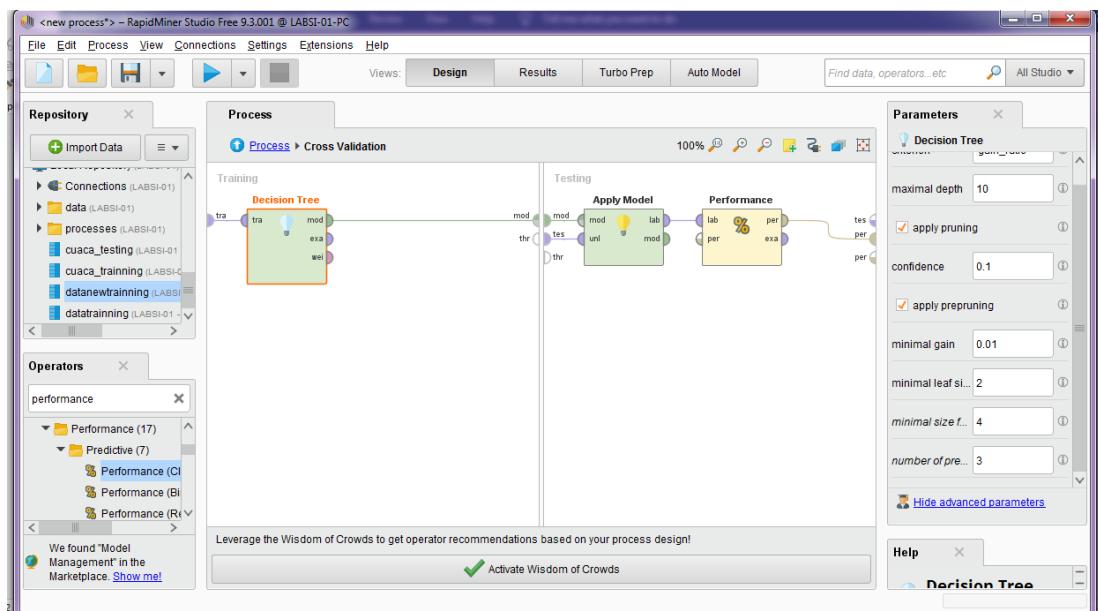
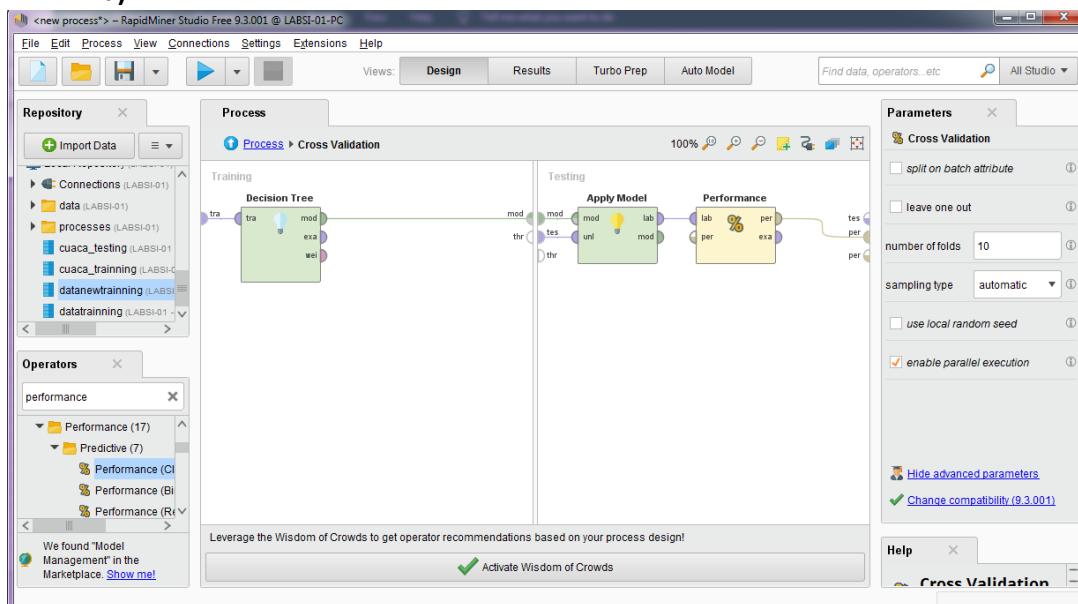
- Time taken to build model: 0.01 seconds

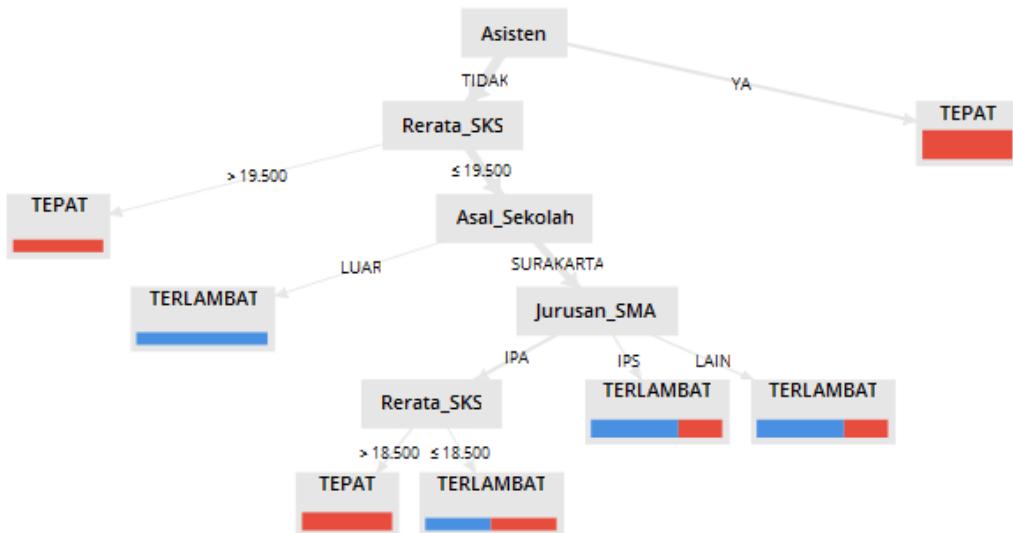
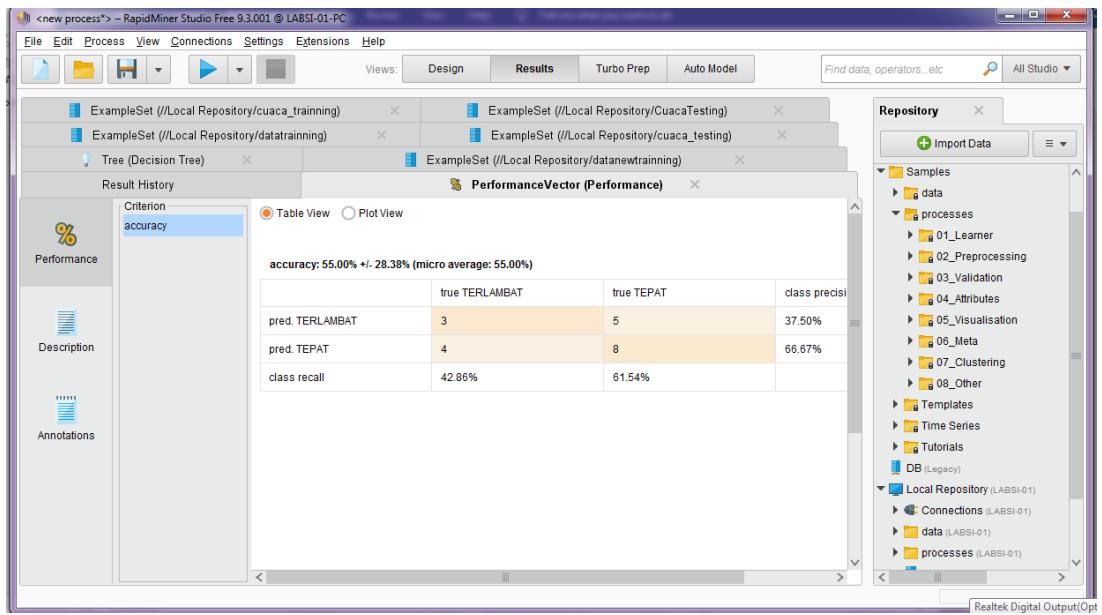
- Correctly Classified Instances 100%

- Incorrectly Classified Instances 0%

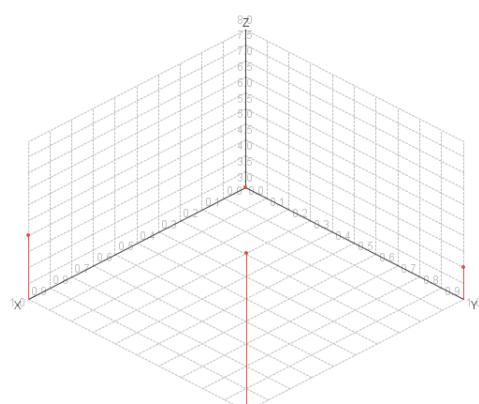
3.

a)

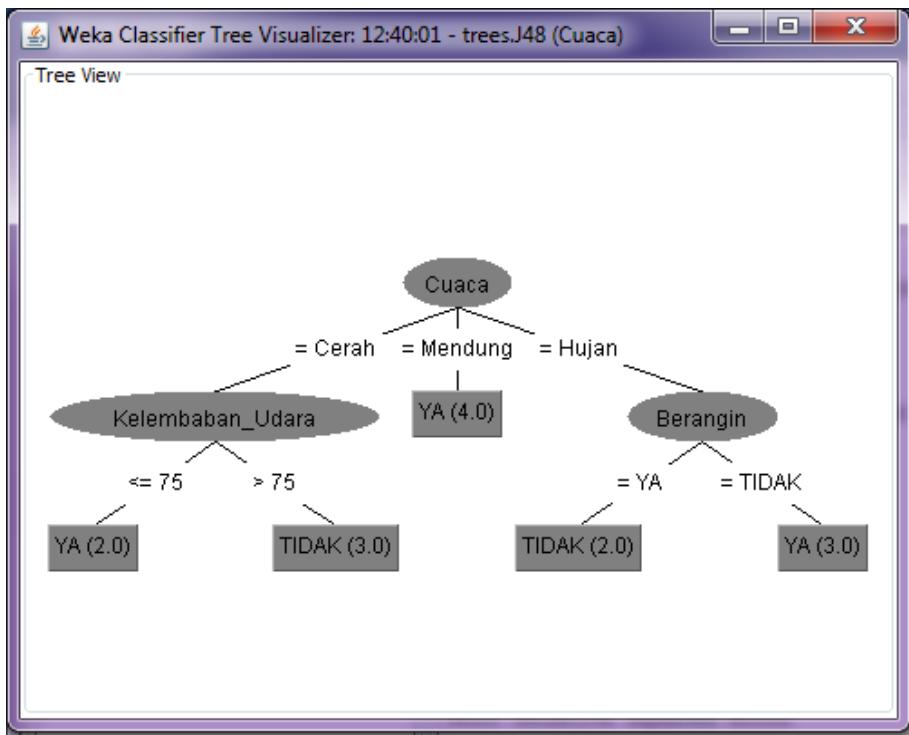




b.



4.



- a. Akan bermain(YA) jika :
 - Cuacaca=cerah, Kelembaban_udara= ≤ 75
 - Cuaca = mendung
 - Cuaca = hujan, berangin= tidak
- b. Tidak bermain (TIDAK)
 - Cuaca = cerah, kelembaban_udara = > 75
 - Cuaca = hujan, berangin = ya

Nama : FIDA AMY N A
Nim : I200170075
Kelas : C

Percobaan

1.

A	B	C	D	E
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	

2., 3.

Import Data - Select the cells to import.

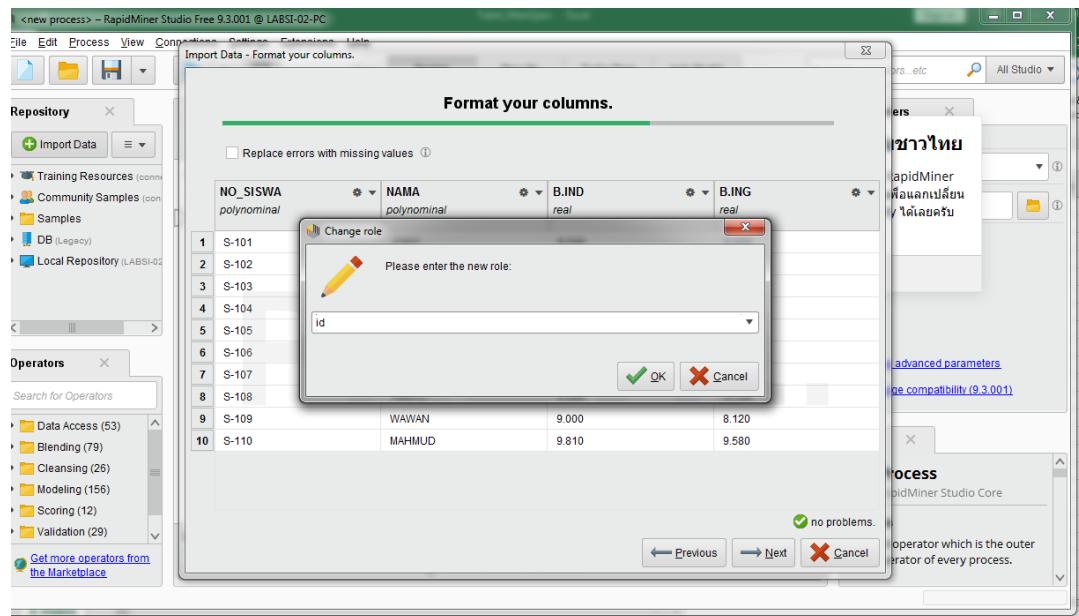
Select the cells to import.

Sheet: k-means ▾ Cell range: A:D Select All Define header row: 1

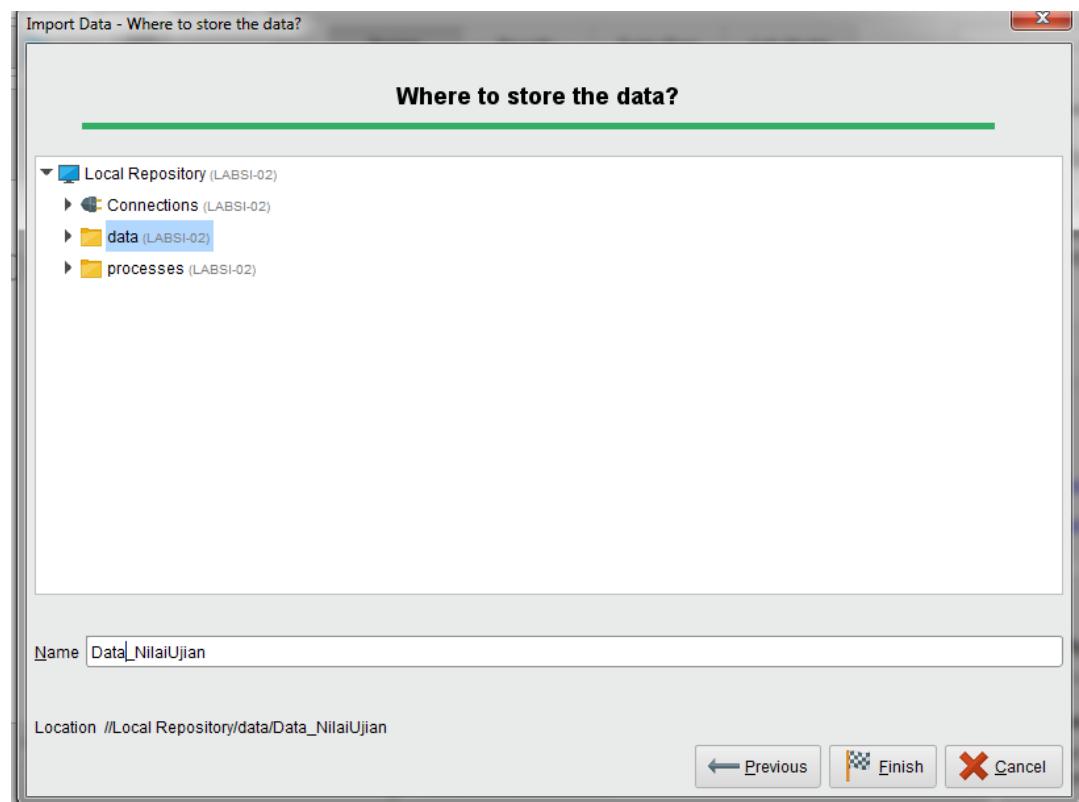
	A	B	C	D
1	NO_SISWA	NAMA	B.IND	B.ING
2	S-101	JOKO	8.540	8.400
3	S-102	AGUS	9.980	6.810
4	S-103	SUSI	6.200	9.150
5	S-104	DYAH	5.240	7.260
6	S-105	WATI	5.700	5.710
7	S-106	IKA	8.570	5.870
8	S-107	EKO	7.700	7.710
9	S-108	YANTO	6.600	5.700
10	S-109	WAWAN	9.000	8.120
11	S-110	MAHMUD	9.810	9.580

← Previous → Next ✖ Cancel

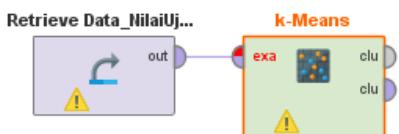
4.



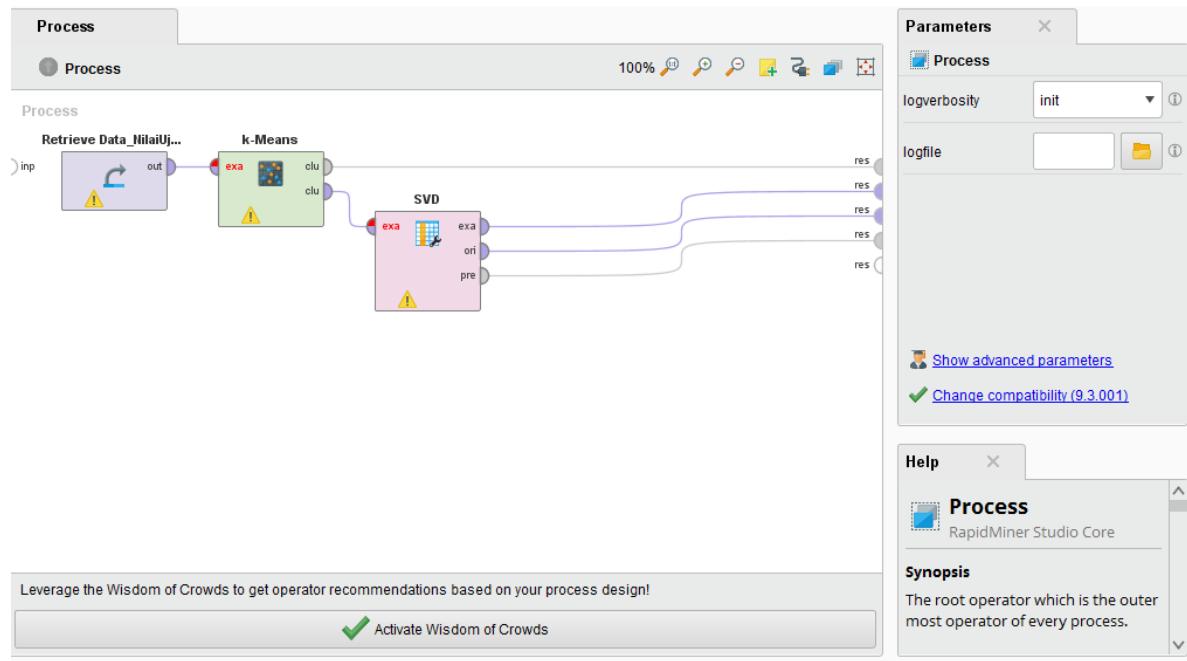
5.



6., 7.



8.



9., 10

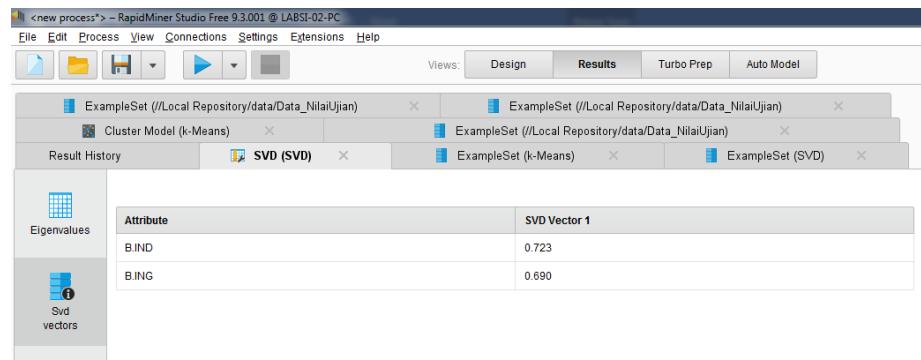
a.

i.

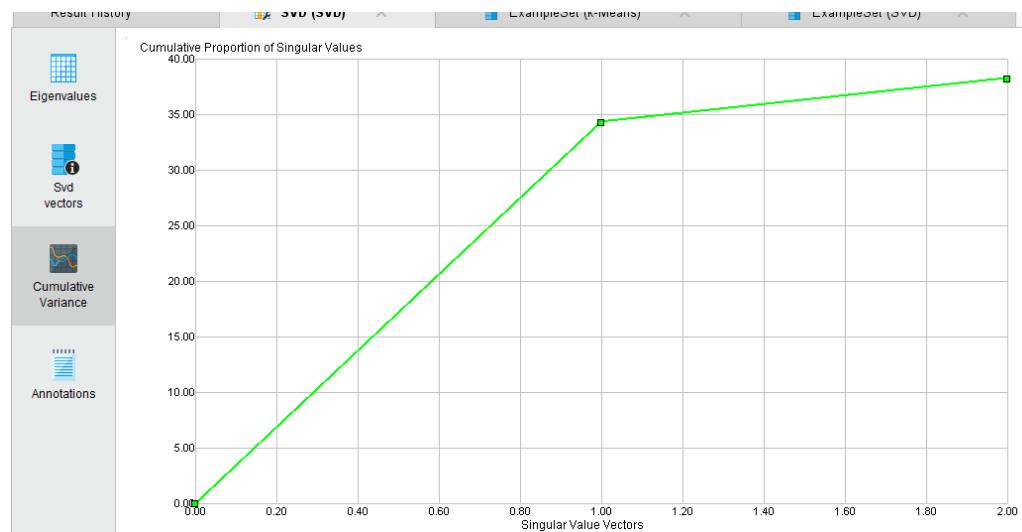
A screenshot of the "Result History" view in RapidMiner. At the top, there are tabs for "ExampleSet (/Local Repository/data/Data_NilaiUjian)" (closed), "Cluster Model (k-Means)" (closed), "SVD (SVD)" (selected), "ExampleSet (/Local Repository/data/Data_NilaiUjian)" (closed), "ExampleSet (k-Means)" (closed), and "ExampleSet (SVD)" (closed). The "SVD (SVD)" tab is active, showing the results of an SVD operation. On the left, there is a sidebar with icons for "Eigenvalues", "Svd vectors", "Cumulative Variance", and "...". The main area displays a table titled "Eigenvalues" with the following data:

Component	Singular Value	Proportion of Singular Value	Cumulative Singular Values	Cumulative Proportion of S...
SVD 1	34.340	0.898	34.340	0.898
SVD 2	3.906	0.102	38.246	1.000

ii.

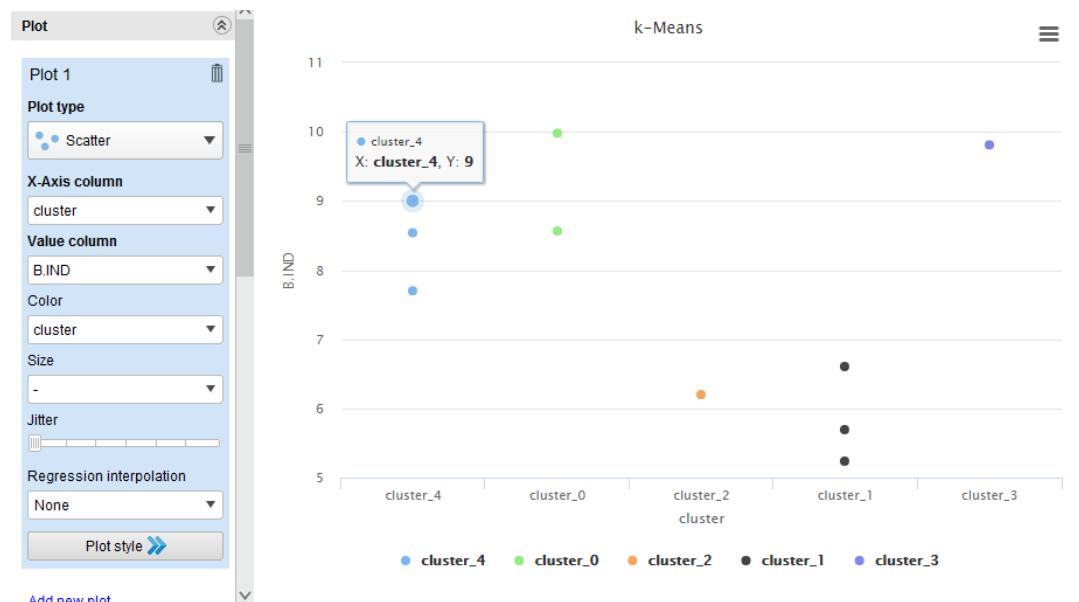


iii.

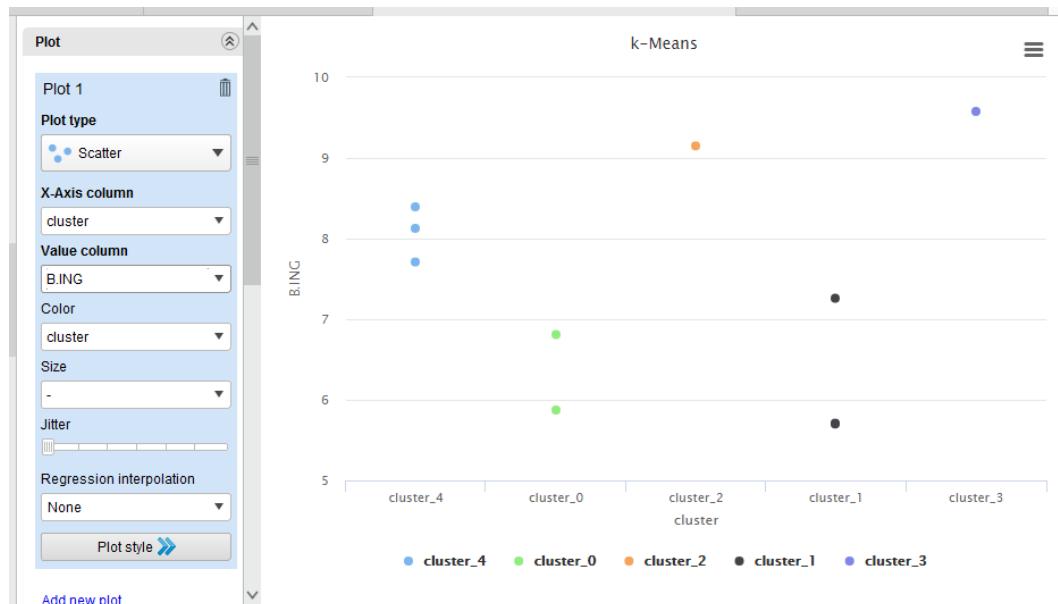


b.

I. B.IND



II. B.ING

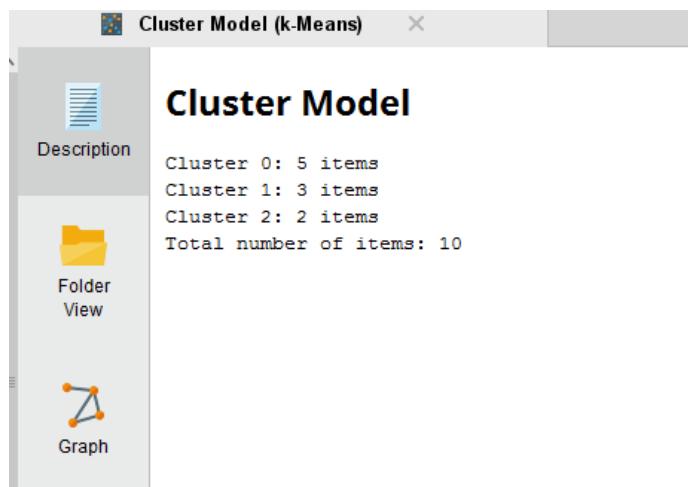


C. SVD

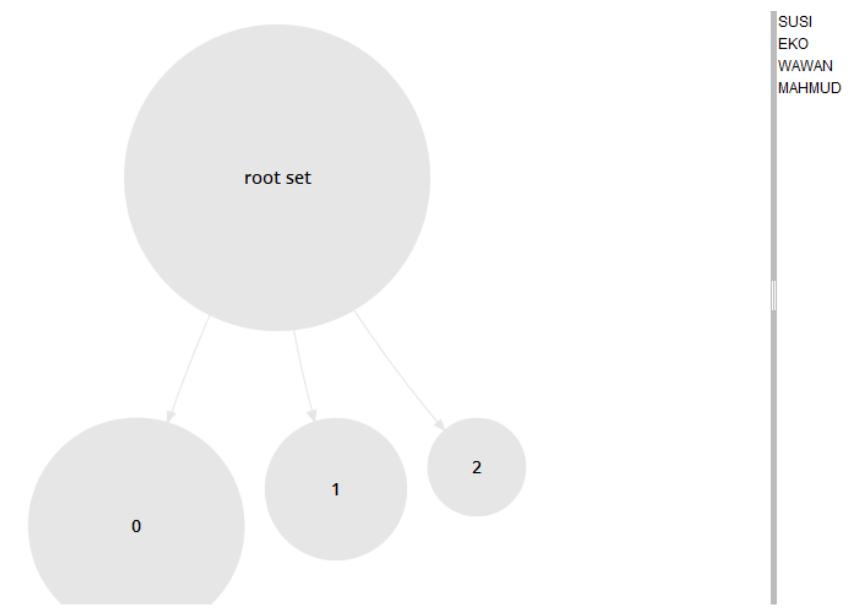
Row No.	NAMA	cluster ↑	svd_1
1	JOKO	cluster_0	0.349
3	SUSI	cluster_0	0.315
7	EKO	cluster_0	0.317
9	WAWAN	cluster_0	0.353
10	MAHMUD	cluster_0	0.399
4	DYAH	cluster_1	0.256
5	WATI	cluster_1	0.235
8	YANTO	cluster_1	0.254
2	AGUS	cluster_2	0.347
6	IKA	cluster_2	0.299

D. CLUSTER MODEL

I. DESC



II. GRAPH



Nama : FIDA AMY N A
 Nim : I200170075
 Kelas : C

Tugas

1.

1	NO_SISWA	NAMA	B.IND	B.ING	MTK	IPA
2	S-101	JOKO	6,97	5,56	6,27	9,52
3	S-102	AGUS	6,61	5,88	6,36	7,25
4	S-103	SUSI	8,98	8,56	8,41	8,89
5	S-104	DYAH	8,62	9,38	7,09	8,32
6	S-105	WATI	7,76	9,95	8,13	6,71
7	S-106	IKA	6,89	8,14	5,31	6,94
8	S-107	EKO	9,05	9,67	6,81	9,95
9	S-108	YANTO	6,59	5,57	5,02	9,08
10	S-109	WAWAN	6,98	8,07	7,06	9,89
11	S-110	MAHMUD	7,16	7,15	9,88	5,37
12	S-111	BUDI	6,11	8,61	5,41	8,89
13	S-112	SANTI	9,46	9,41	9,14	6,88
14	S-113	DIAN	6,43	7,38	9,80	7,92
15	S-114	DANI	8,09	8,49	9,87	9,15
16	S-115	AHMAD	9,02	8,16	5,17	9,70
17	S-116	BAYU	9,14	6,12	6,78	9,09
18	S-117	RISA	5,41	5,41	5,54	6,96
19	S-118	RANI	9,23	6,56	7,89	8,94
20	S-119	YANI	5,24	7,09	7,62	7,09
21	S-120	RATIH	9,76	8,75	9,57	6,71
22	S-121	INDAH	7,13	7,78	7,63	6,18
23	S-122	JONO	7,77	9,20	9,40	5,18
24	S-123	SARAH	9,89	7,63	6,74	5,65
25	S-124	RAMA	7,54	8,04	9,38	6,85
26	S-125	BABANG	9,29	6,51	6,34	9,12
27	S-126	HADI	9,13	6,67	6,07	6,42
28	S-127	NANA	8,18	8,40	5,09	9,04
29	S-128	FEBRI	7,07	7,78	8,88	5,93
30	S-129	DENI	5,35	6,99	5,02	8,18
31	S-130	TONI	5,96	5,09	8,75	5,59
32						
33						

2.

Import Data - Select the cells to import.

Select the cells to import.

Sheet: Sheet1 ▾ Cell range: B1:F31 Select All Define header row: 1

A	B	C	D	E	F
1	NO_SISWA	NAMA	B.IND	B.ING	MTK
2	S-101	JOKO	6.973	5.557	6.275
3	S-102	AGUS	6.613	5.879	6.361
4	S-103	SUSI	8.982	8.561	8.412
5	S-104	DYAH	8.621	9.383	7.091
6	S-105	WATI	7.764	9.946	8.131
7	S-106	IKA	6.891	8.140	5.314
8	S-107	EKO	9.051	9.673	6.806
9	S-108	YANTO	6.588	5.566	5.024
10	S-109	WAWAN	6.985	8.074	7.059
11	S-110	MAHMUD	7.158	7.153	9.878
12	S-111	BUDI	6.110	8.611	5.409
13	S-112	SANTI	9.458	9.408	9.136
14	S-113	DIAN	6.432	7.378	9.797
15	S-114	DANI	8.000	8.100	9.000

← Previous Next → X Cancel

Import Data - Format your columns.

Format your columns.

Replace errors with missing values ⓘ

	NAMA polynomial	B.IND real	B.ING real	MTK real	IPA real
1	JOKO				
2	AGUS				
3	SUSI				
4	DYAH				
5	WATI				
6	IKA				
7	EKO				
8	YANTO				
9	WAWAN	6.985	8.074	7.059	9.891
10	MAHMUD	7.158	7.153	9.878	5.374
11	BUDI	6.110	8.611	5.409	8.893
12	SANTI	9.458	9.408	9.136	6.883
13	DIAN	6.432	7.378	9.797	7.915

Please enter the new role:

OK
Cancel

no problems.

← Previous → Next Cancel

ExampleSet // Local Repository / data / 30siswa

Open in Turbo Prep Auto Model

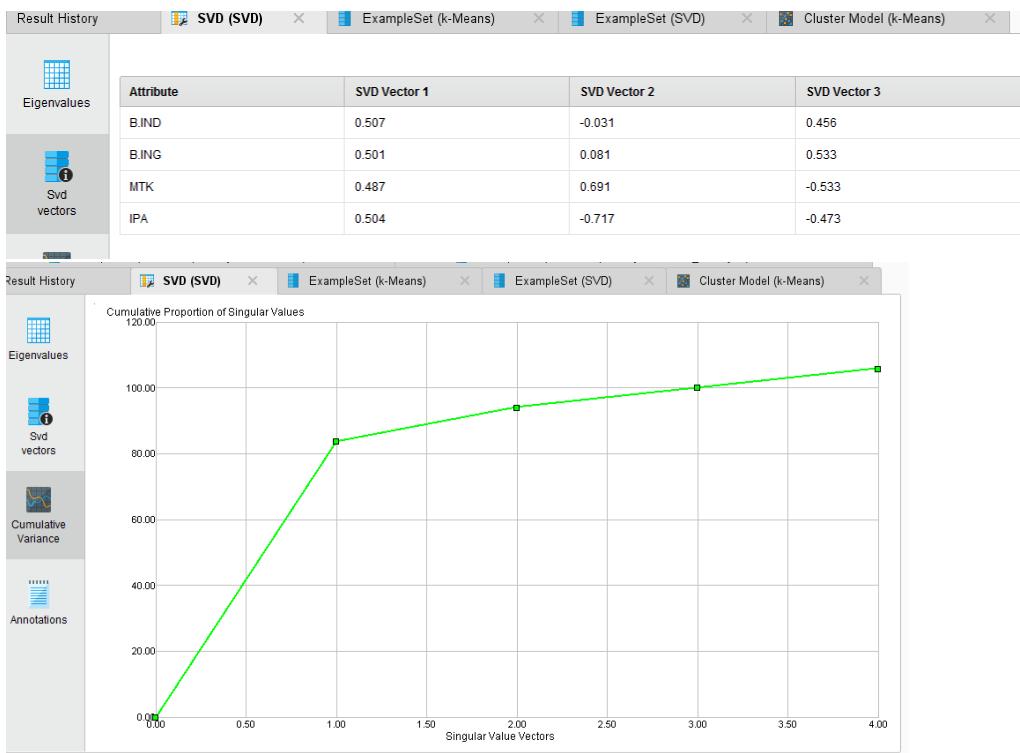
Row No.	NAMA	B.IND	B.ING	MTK	IPA
1	JOKO	6.973	5.557	6.275	9.517
2	AGUS	6.613	5.879	6.361	7.254
3	SUSI	8.982	8.561	8.412	8.888
4	DYAH	8.621	9.383	7.091	8.324
5	WATI	7.764	9.946	8.131	6.711
6	IKA	6.891	8.140	5.314	6.941
7	EKO	9.051	9.673	6.806	9.953
8	YANTO	6.588	5.566	5.024	9.079
9	WAWAN	6.985	8.074	7.059	9.891
10	MAHMUD	7.158	7.153	9.878	5.374
11	BUDI	6.110	8.611	5.409	8.893
12	SANTI	9.458	9.408	9.136	6.883
13	DIAN	6.432	7.378	9.797	7.915

Result History

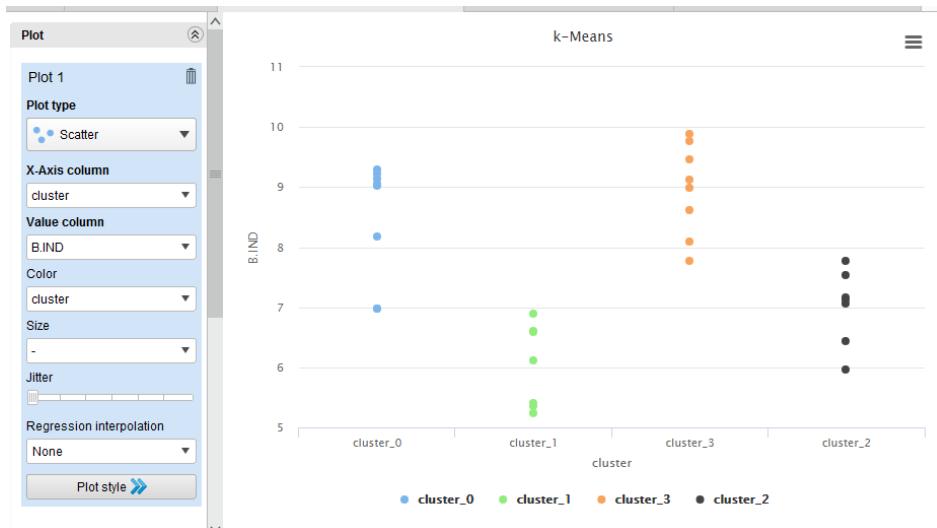
- SVD (SVD)
- ExampleSet (k-Means)
- ExampleSet (SVD)
- Cluster Model (k-Means)

Eigenvalues
Svd vectors
Cumulative Variance

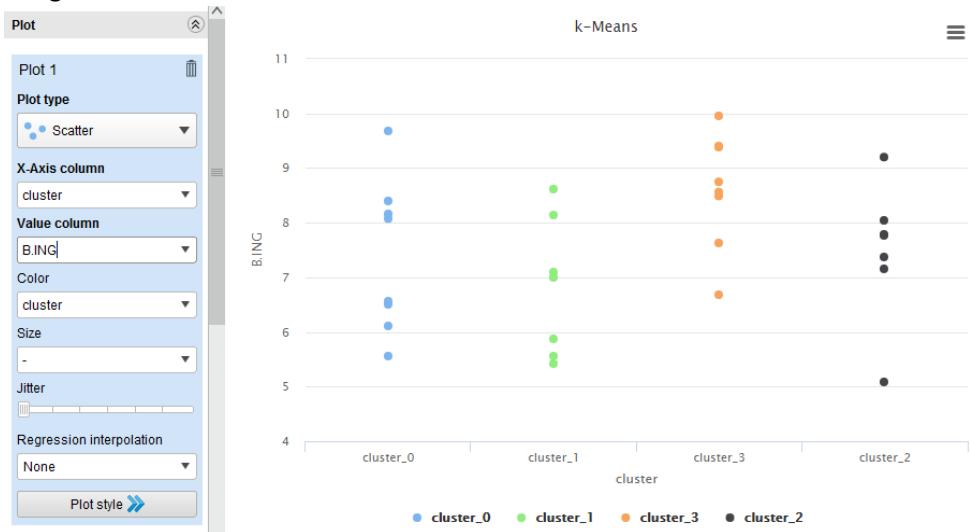
Component	Singular Value	Proportion of Singular Value...	Cumulative Singular Values	Cumulative Proportion of S...
SVD 1	83.781	0.791	83.781	0.791
SVD 2	10.307	0.097	94.088	0.889
SVD 3	6.066	0.057	100.154	0.946
SVD 4	5.717	0.054	105.871	1.000



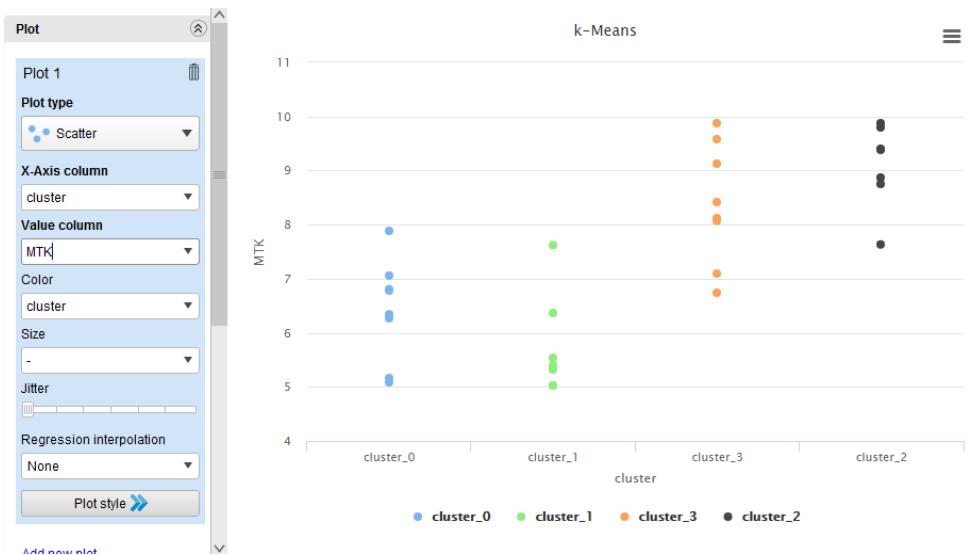
b.ind



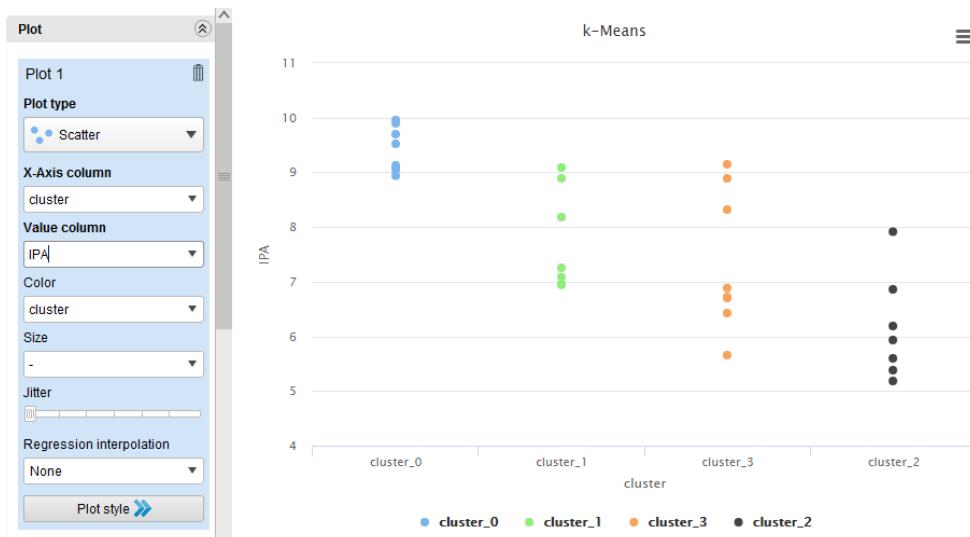
b.ing



Mtk



IPA



Row No.	NAMA	cluster ↑	svd_1	Row No.	NAMA	cluster ↑	svd_1
1	JOKO	cluster_0	0.169	17	RISA	cluster_1	0.139
7	EKO	cluster_0	0.212	19	YANI	cluster_1	0.161
9	WAWAN	cluster_0	0.191	29	DENI	cluster_1	0.153
15	AHMAD	cluster_0	0.192	10	MAHMUD	cluster_2	0.176
16	BAYU	cluster_0	0.186	13	DIAN	cluster_2	0.188
18	RANI	cluster_0	0.195	21	INDAH	cluster_2	0.171
25	BABANG	cluster_0	0.187	22	JONO	cluster_2	0.188
27	NANA	cluster_0	0.184	24	RAMA	cluster_2	0.189
2	AGUS	cluster_1	0.156	28	FEBRI	cluster_2	0.177
6	IKA	cluster_1	0.163	30	TONI	cluster_2	0.151
8	YANTO	cluster_1	0.157	3	SUSI	cluster_3	0.208
11	BUDI	cluster_1	0.173	4	DYAH	cluster_3	0.200
17	RISA	cluster_1	0.139	5	WATI	cluster_3	0.194

ExampleSet (30 examples, 2 special attributes, 1 regular attribute)

5	WATI	cluster_3	0.194
12	SANTI	cluster_3	0.208
14	DANI	cluster_3	0.212
20	RATIH	cluster_3	0.207
23	SARAH	cluster_3	0.179
26	HADI	cluster_3	0.181

CLUSTER MODEL

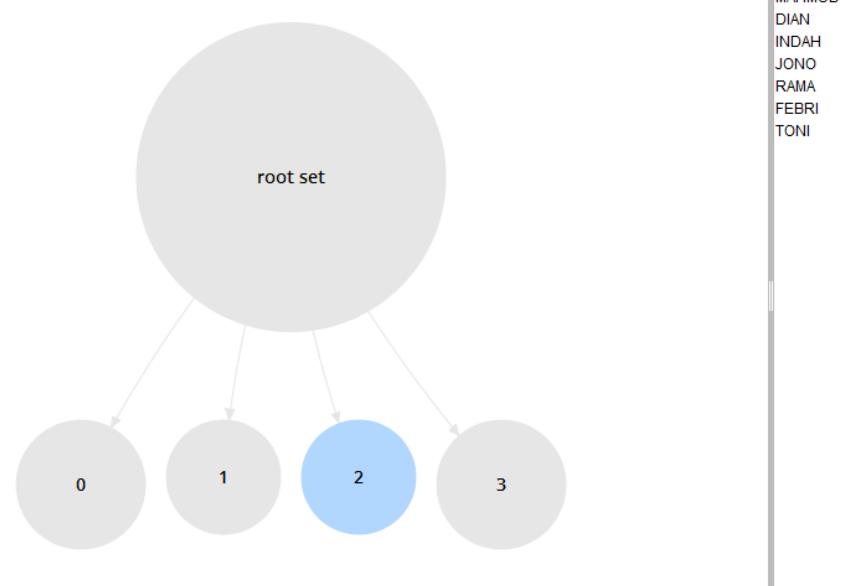
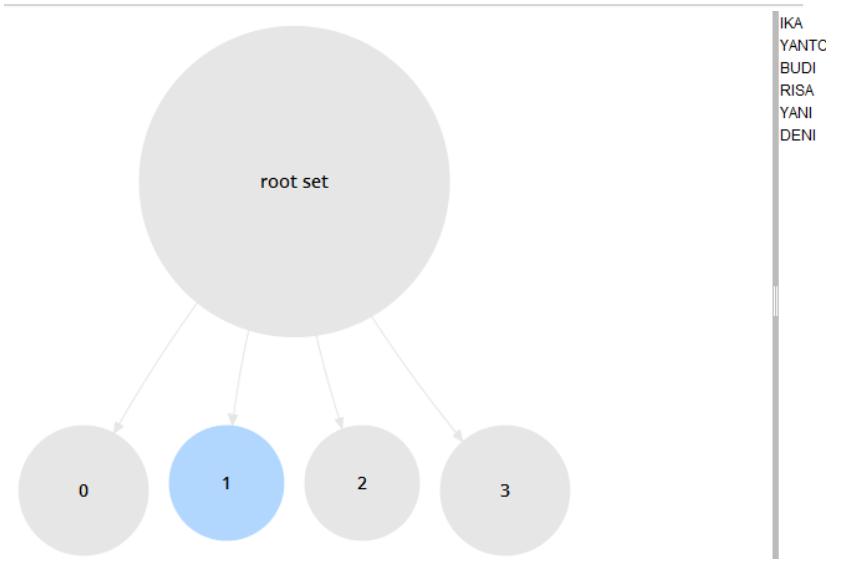
Result History SVD (SVD) ExampleSet (k-Means)

Cluster Model

Description

Cluster 0: 8 items
 Cluster 1: 7 items
 Cluster 2: 7 items
 Cluster 3: 8 items
 Total number of items: 30

Folder View



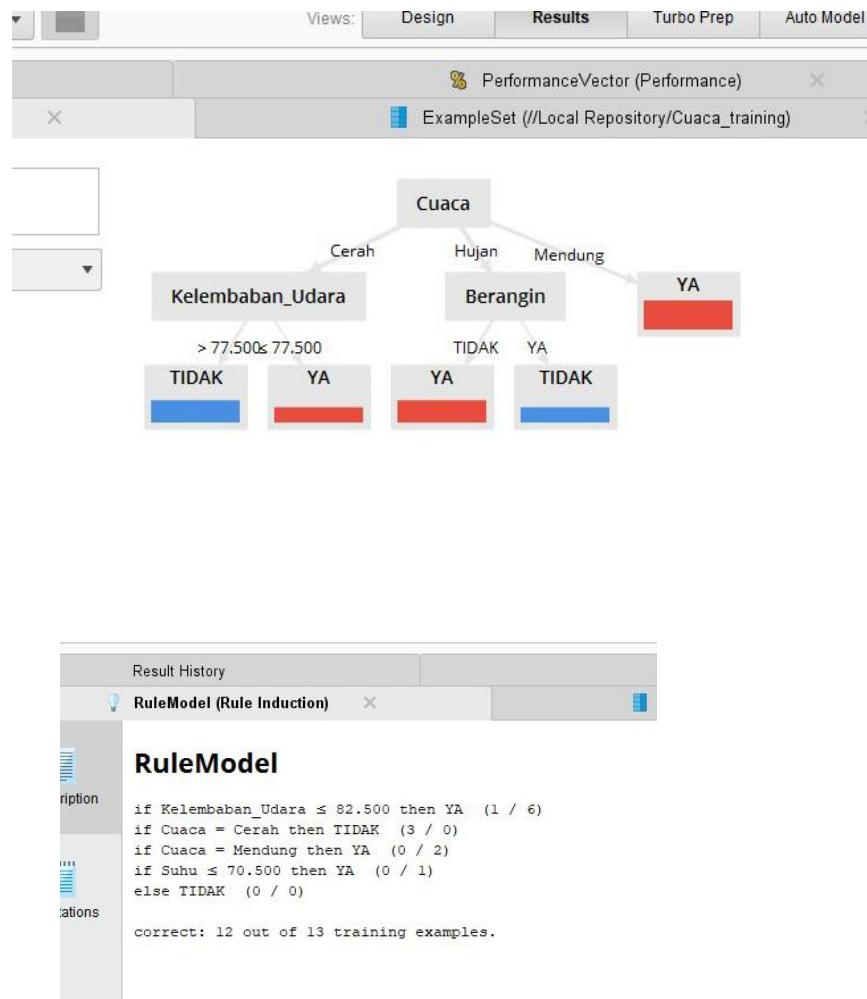


Nama : Fida Amy N A

NIM : L200170075

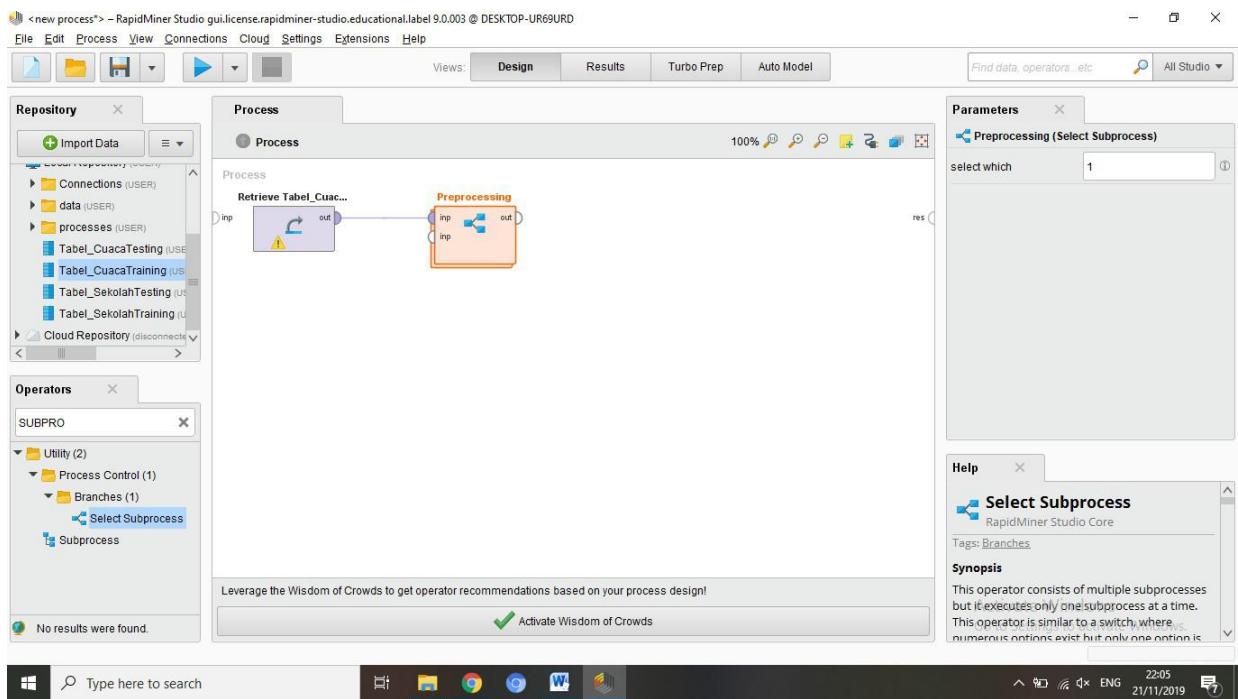
Kelas : C

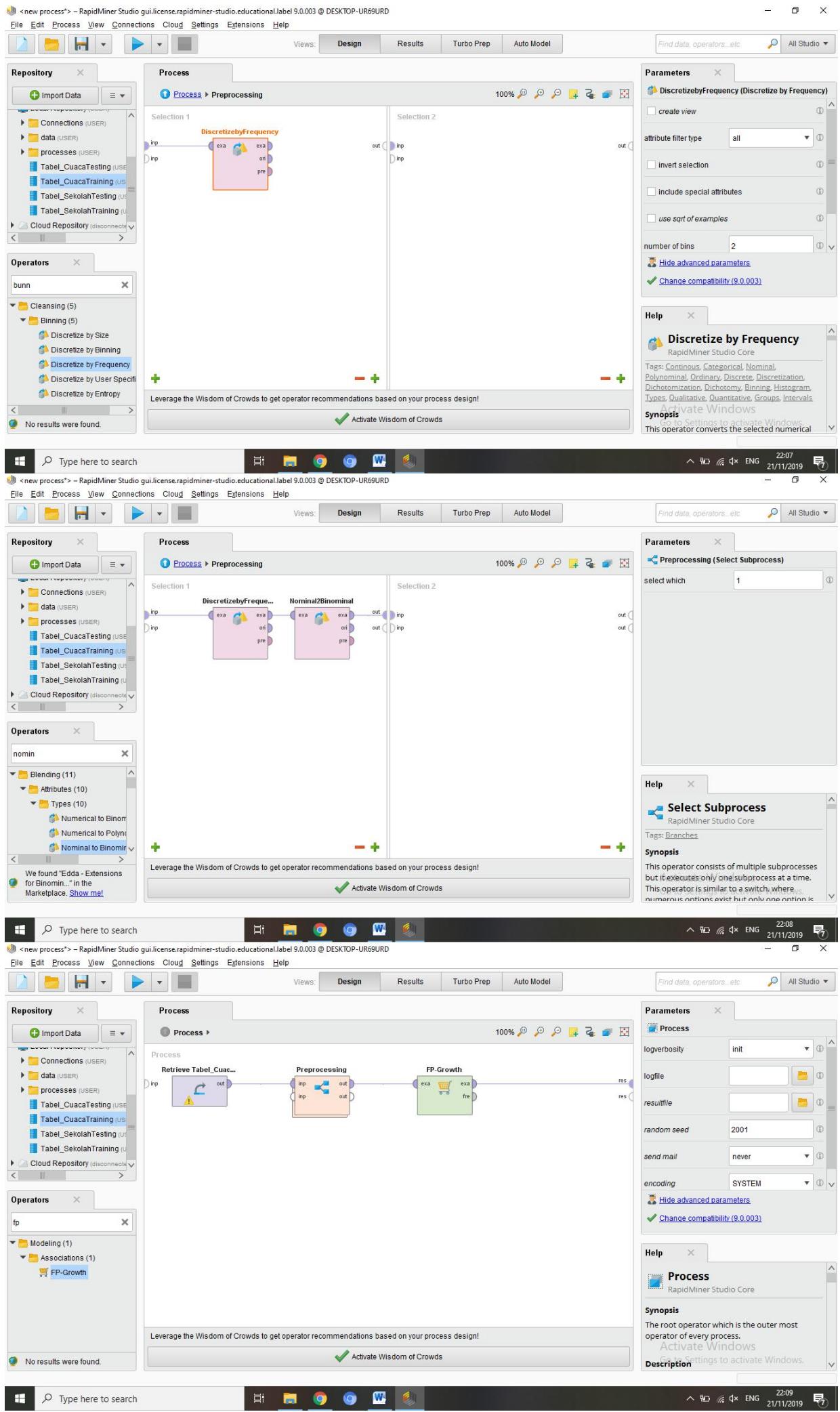
MODUL 11

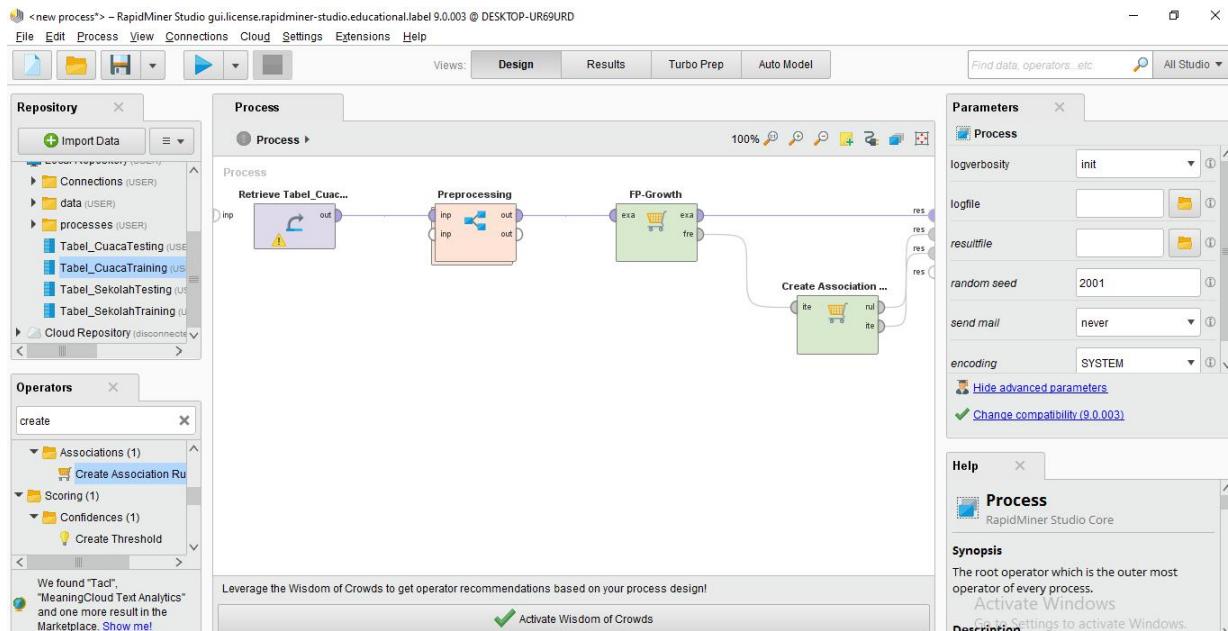


accuracy: 65.00% +/- 45.00% (micro average: 71.43%)

	true TIDAK	true YA	class precision
pred. TIDAK	2	1	66.67%
pred. YA	3	8	72.73%
class recall	40.00%	88.89%	







RapidMiner Studio

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB
- Local Repository (USER)
 - Connections (USER)
 - data (USER)
 - processes (USER)
 - Tabel_CuacaTesting (USER - v1, 10/15/19)
 - Tabel_CuacaTraining (USER - v1, 10/15/19)
 - Tabel_SekolahTesting (USER - v1, 10/15/19)
 - Tabel_SekolahTraining (USER - v1, 10/15/19)
- Cloud Repository (disconnected)

Result History

FrequentItemSets (FP-Growth)

Size	Support	Item 1	Item 2	Item 3	Item 4
1	0.500	Kelembaban_Udara			
1	0.429	Berangin			
1	0.429	Suhu			
1	0.357	Cuaca = Cerah			
1	0.357	Cuaca = Hujan			
1	0.286	Cuaca = Mendung			
2	0.214	Kelembaban_Udara	Berangin		
2	0.214	Kelembaban_Udara	Suhu		
2	0.214	Kelembaban_Udara	Cuaca = Cerah		
2	0.143	Kelembaban_Udara	Cuaca = Hujan		
2	0.143	Kelembaban_Udara	Cuaca = Mendung		
2	0.143	Berangin	Suhu		
2	0.143	Berangin	Cuaca = Cerah		
2	0.143	Berangin	Cuaca = Hujan		
2	0.143	Berangin	Cuaca = Mendung		

AssociationRules (Create Association Rules)

RapidMiner Studio

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model

Repository

- Import Data
- Training Resources (connected)
- Samples
- Community Samples (connected)
- DB
- Local Repository (USER)
 - Connections (USER)
 - data (USER)
 - processes (USER)
 - Tabel_CuacaTesting (USER - v1, 10/15/19)
 - Tabel_CuacaTraining (USER - v1, 10/15/19)
 - Tabel_SekolahTesting (USER - v1, 10/15/19)
 - Tabel_SekolahTraining (USER - v1, 10/15/19)
- Cloud Repository (disconnected)

Result History

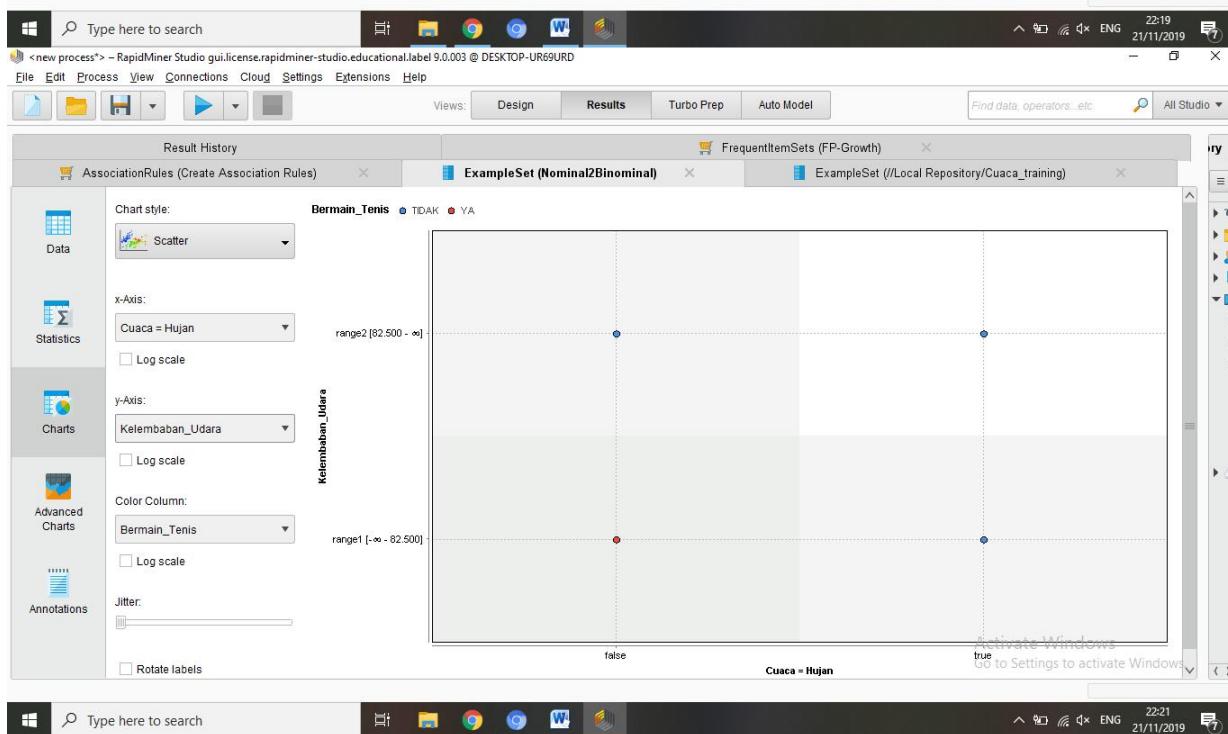
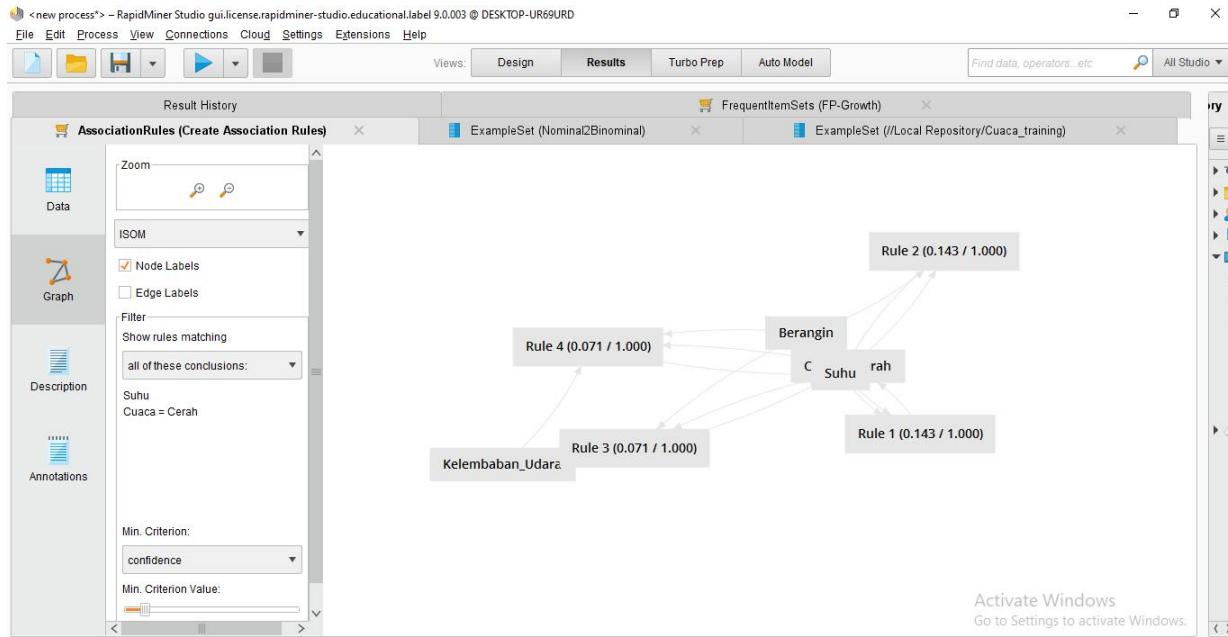
AssociationRules (Create Association Rules)

Show rules matching all of these conclusions: Suhu, Cuaca = Cerah

Premises	Conclusion	Support	Confidence	LaPlace	Gain	p-s
Berangin, Suhu	Cuaca = Cerah	0.143	1	1	-0.143	0.092
Berangin, Cuaca = Cerah	Suhu	0.143	1	1	-0.143	0.082
Kelembaban_Udara, Berangin, Suhu	Cuaca = Cerah	0.071	1	1	-0.071	0.046
Kelembaban_Udara, Berangin, Cuaca = Cerah	Suhu	0.071	1	1	-0.071	0.041

Activate Windows

Type here to search



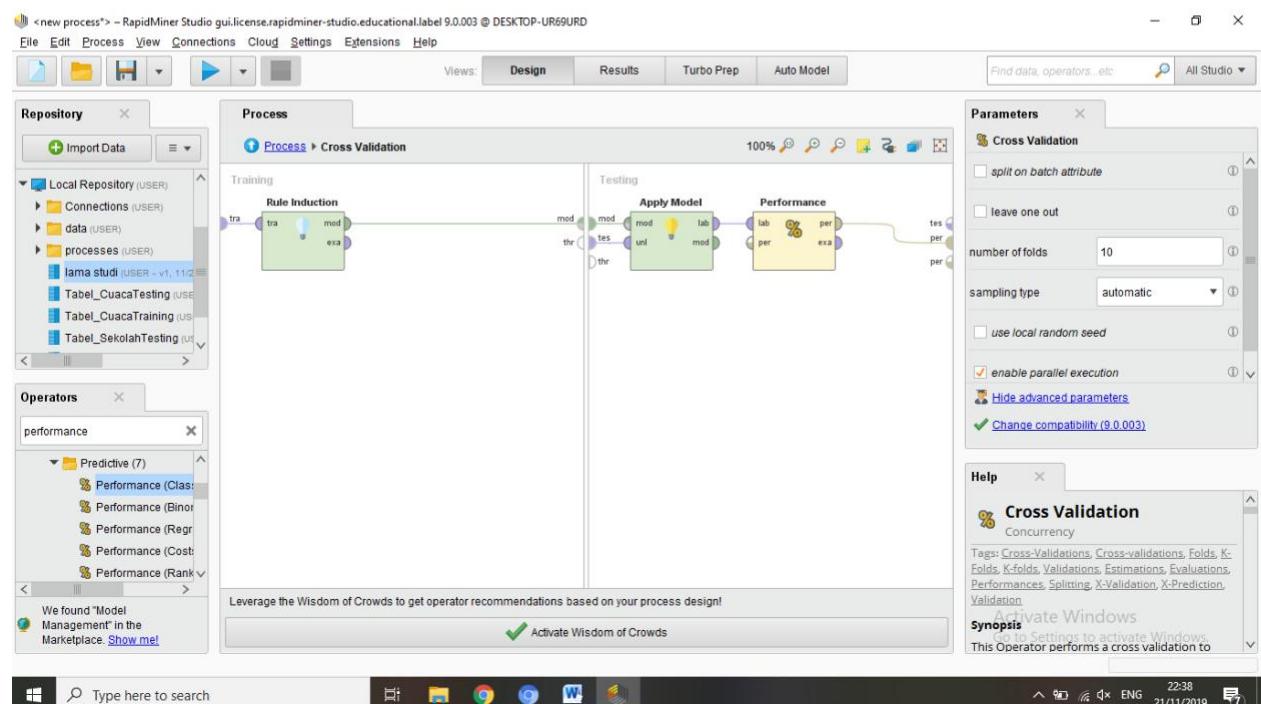
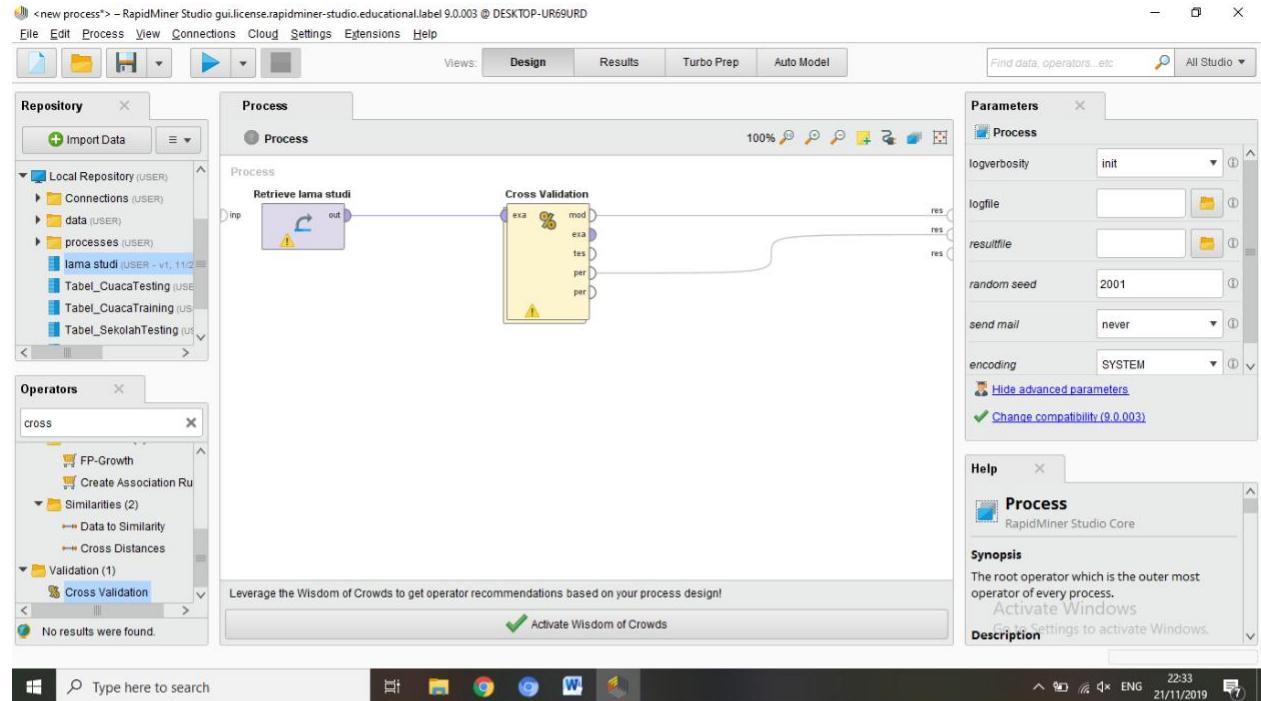
Nama : Fida Amy N A

NIM : L200170075

Kelas : C

MODUL 11

TUGAS



<new process*> – RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-UR69URD

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators... etc All Studio

ExampleSet (/Local Repository/lama studi) ExampleSet (/Local Repository/Cuaca_training) RuleModel (Rule Induction)

Result History PerformanceVector (Performance)

RuleModel

Description

```
if Rerata_SKS > 18.500 then TEPAT (2 / 10)
if Gender = PRIA then TERLAMBAT (4 / 0)
if Jurusan_SMA = IFA then TEPAT (0 / 2)
if Jurusan_SMA = IPS then TERLAMBAT (1 / 0)
else TEPAT (0 / 0)

correct: 17 out of 19 training examples.
```

Annotations

Activate Windows Go to Settings to activate Windows.

Type here to search 22:41 21/11/2019

<new process*> – RapidMiner Studio gui.license.rapidminer-studio.educational.label 9.0.003 @ DESKTOP-UR69URD

File Edit Process View Connections Cloud Settings Extensions Help

Views: Design Results Turbo Prep Auto Model Find data, operators... etc All Studio

ExampleSet (/Local Repository/lama studi) ExampleSet (/Local Repository/Cuaca_training) RuleModel (Rule Induction)

Result History PerformanceVector (Performance)

Criterion accuracy

Table View Plot View

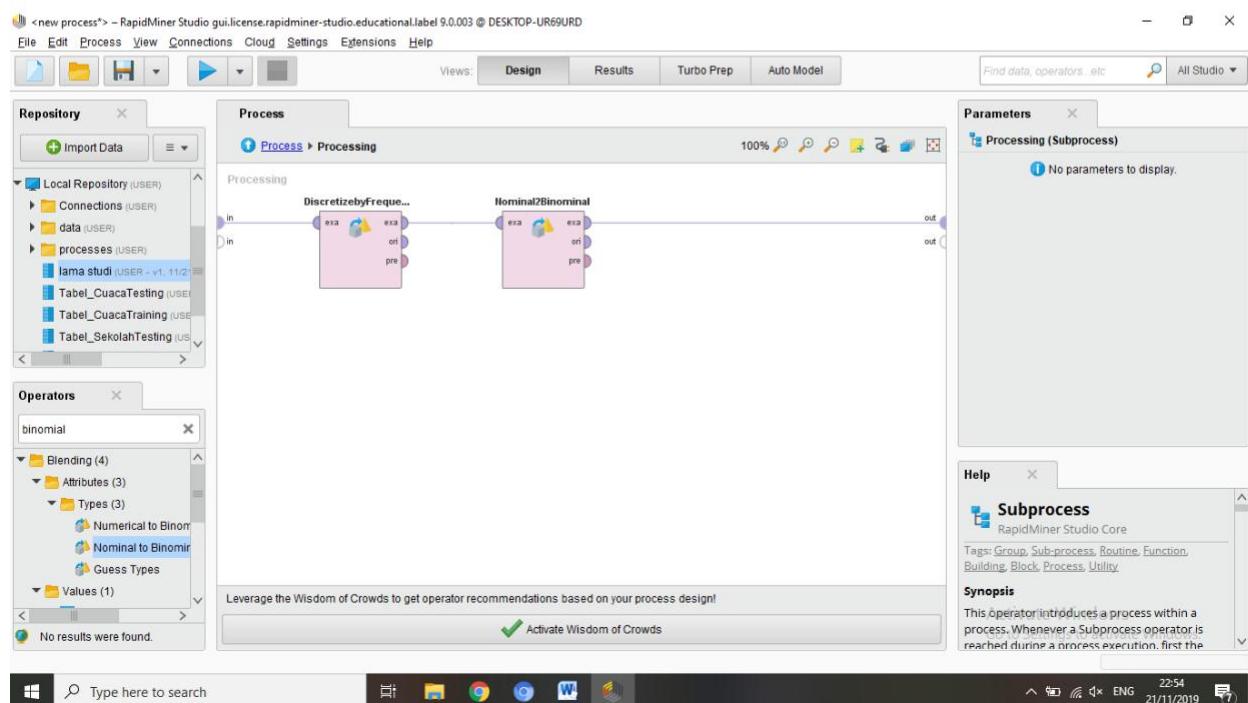
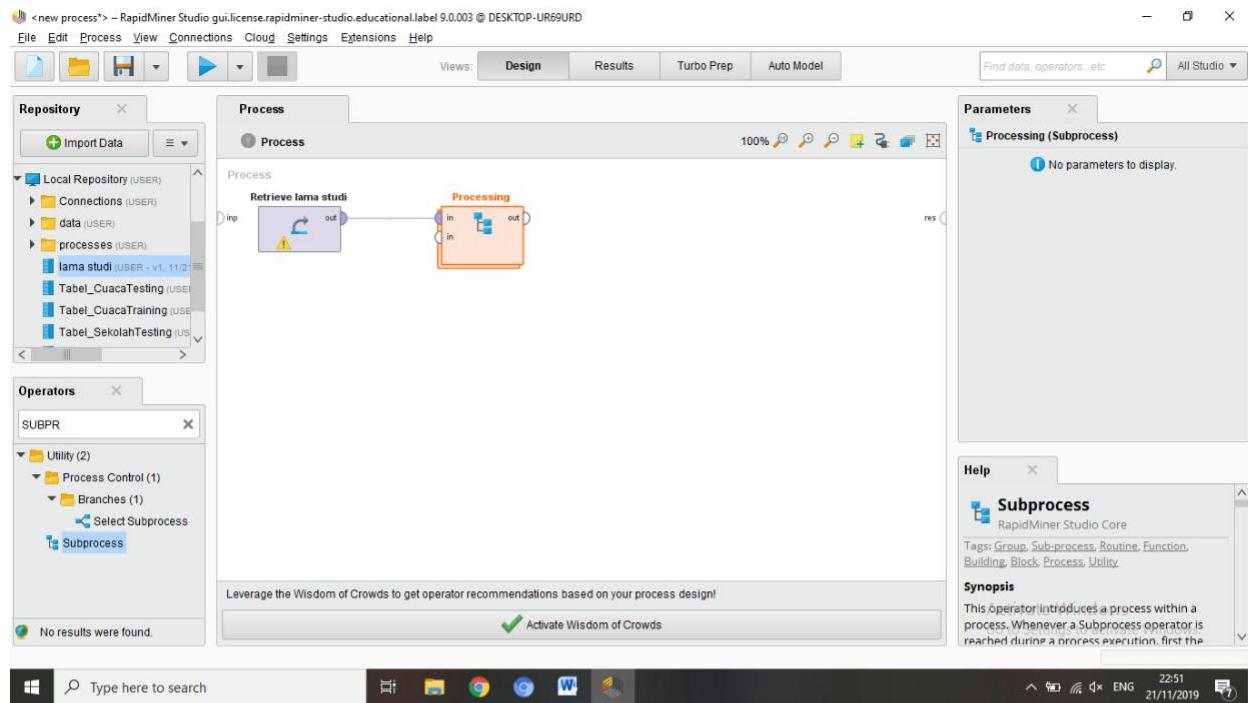
accuracy: 65.00% +/- 32.02% (micro average: 65.00%)

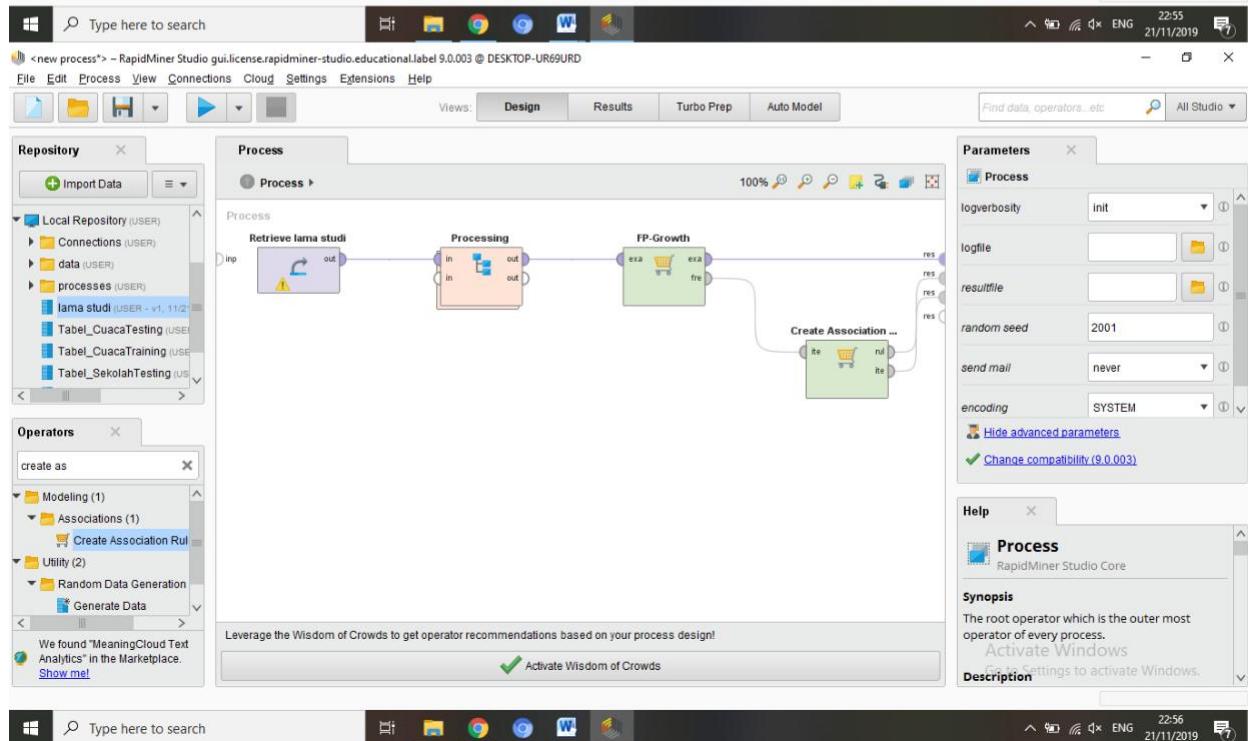
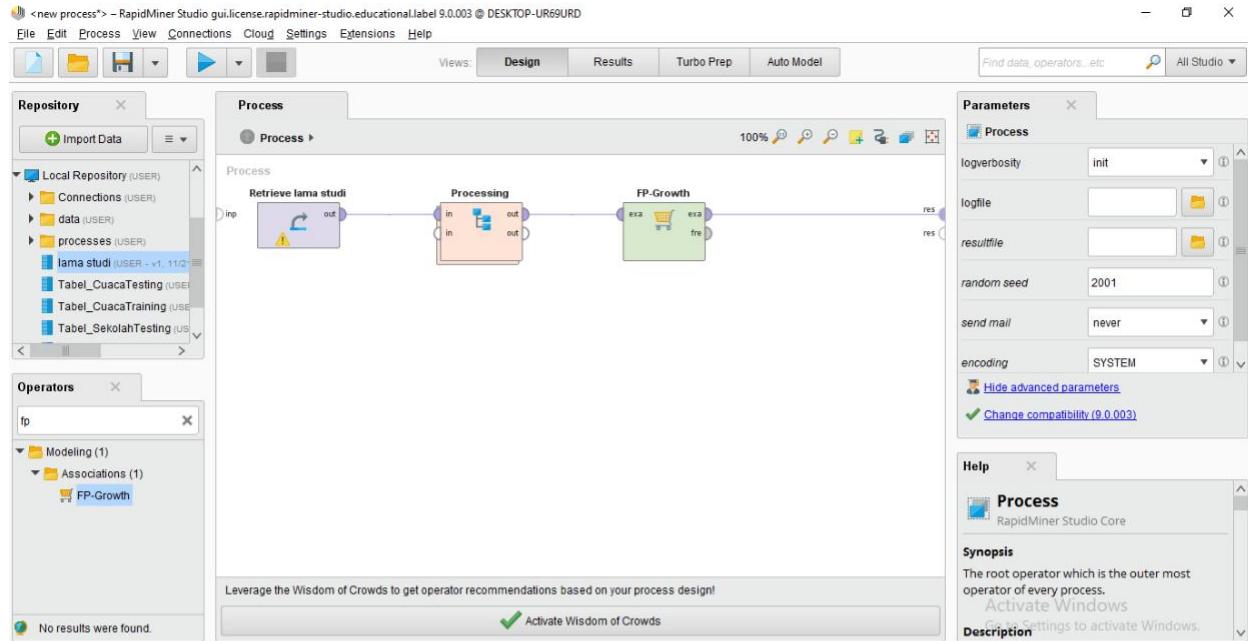
	true TERLAMBAT	true TEPAT	class precision
pred. TERLAMBAT	4	4	50.00%
pred. TEPAT	3	9	75.00%
class recall	57.14%	69.23%	

Annotations

Activate Windows Go to Settings to activate Windows.

Type here to search 22:39 21/11/2019





a. Number of bins = 2

Frequent Item Set (FP-Growth)

The screenshot shows the RapidMiner Studio interface with three tabs open: 'ExampleSet (Nominal2Binomial)', 'ExampleSet (/Local Repository/lama_studi)', and 'FrequentItemSets (FP-Growth)'. The 'FrequentItemSets (FP-Growth)' tab is active, displaying a table of frequent item sets. The table has columns for Size, Support, and Item 1 through Item 5. The data shows various combinations of attributes like Gender, Jurusan_SMA, Asal_Sekolah, etc., with their respective support values.

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
1	0.750	Gender				
1	0.500	Jurusan_SMA = IPA				
1	0.300	Asal_Sekolah				
1	0.300	Jurusan_SMA = IPS				
1	0.250	Asisten				
1	0.250	Rerata_SKS				
1	0.200	Jurusan_SMA = LAIN				
2	0.350	Gender	Jurusan_SMA = IPA			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA = IPS			
2	0.200	Gender	Asisten			
2	0.250	Gender	Rerata_SKS			
2	0.150	Gender	Jurusan_SMA = LAIN			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			

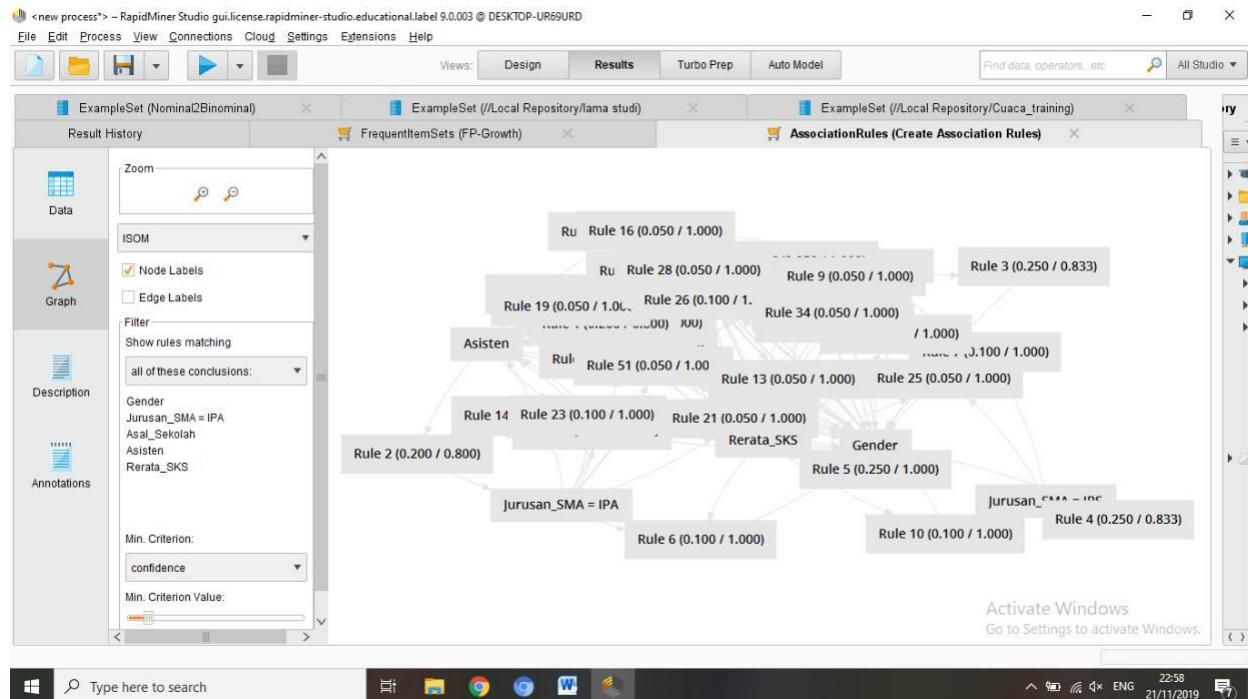
Association Rules (Create Association Rules)

i. Table View

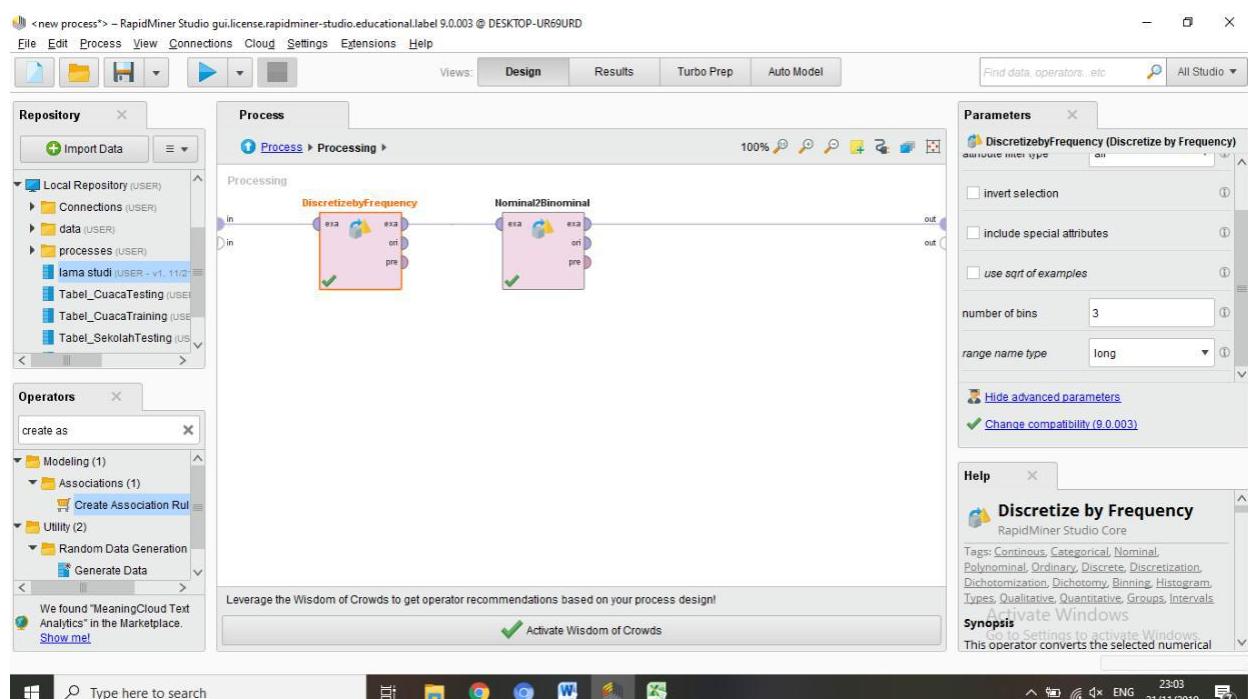
The screenshot shows the RapidMiner Studio interface with three tabs open: 'ExampleSet (Nominal2Binomial)', 'ExampleSet (/Local Repository/lama_studi)', and 'AssociationRules (Create Association Rules)'. The 'AssociationRules (Create Association Rules)' tab is active, displaying a table of association rules. The table has columns for No., Premises, Conclusion, Support, Confidence, LaPlace, and G. The data shows various rules derived from the frequent item sets, such as 'Asal_Sekolah -> Gender' with support 0.250 and confidence 0.833.

No.	Premises	Conclusion	Support	Confidence	LaPlace	G
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962	-0
5	Rerata_SKS	Gender	0.250	1	1	-0
6	Jurusan_SMA = IPA, Rerata_SKS	Gender	0.100	1	1	-0
7	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1	-0
8	Asal_Sekolah, Rerata_SKS	Gender	0.150	1	1	-0
9	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0
10	Jurusan_SMA = IPS, Rerata_SKS	Gender	0.100	1	1	-0
11	Asisten, Rerata_SKS	Gender	0.150	1	1	-0
12	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0
13	Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0
14	Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0
15	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0
16	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0
17	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	Activate Windows	-0	v

ii. Graph View



b. Number of bins = 3



Frequent Item Set (FP-Growth)

The screenshot shows the RapidMiner Studio interface with the 'FrequentItemSets (FP-Growth)' tab selected. The results table displays frequent item sets of size 1 to 2. The columns include Size, Support, Item 1, Item 2, Item 3, Item 4, and Item 5. Annotations on the left side show the number of sets (85), total max size (5), and a dropdown for min size (1). The status bar at the bottom right indicates 'Activate Windows'.

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
1	0.750	Gender				
1	0.500	Jurusan_SMA = IPA				
1	0.400	Rerata_SKS = range1 ...				
1	0.350	Rerata_SKS = range2 ...				
1	0.300	Asal_Sekolah				
1	0.300	Jurusan_SMA = IPS				
1	0.250	Asisten				
1	0.250	Rerata_SKS = range3 ...				
1	0.200	Jurusan_SMA = LAIN				
2	0.350	Gender	Jurusan_SMA = IPA			
2	0.200	Gender	Rerata_SKS = range1 ...			
2	0.300	Gender	Rerata_SKS = range2 ...			
2	0.250	Gender	Asal_Sekolah			
2	0.250	Gender	Jurusan_SMA = IPS			
2	0.200	Gender	Asisten			

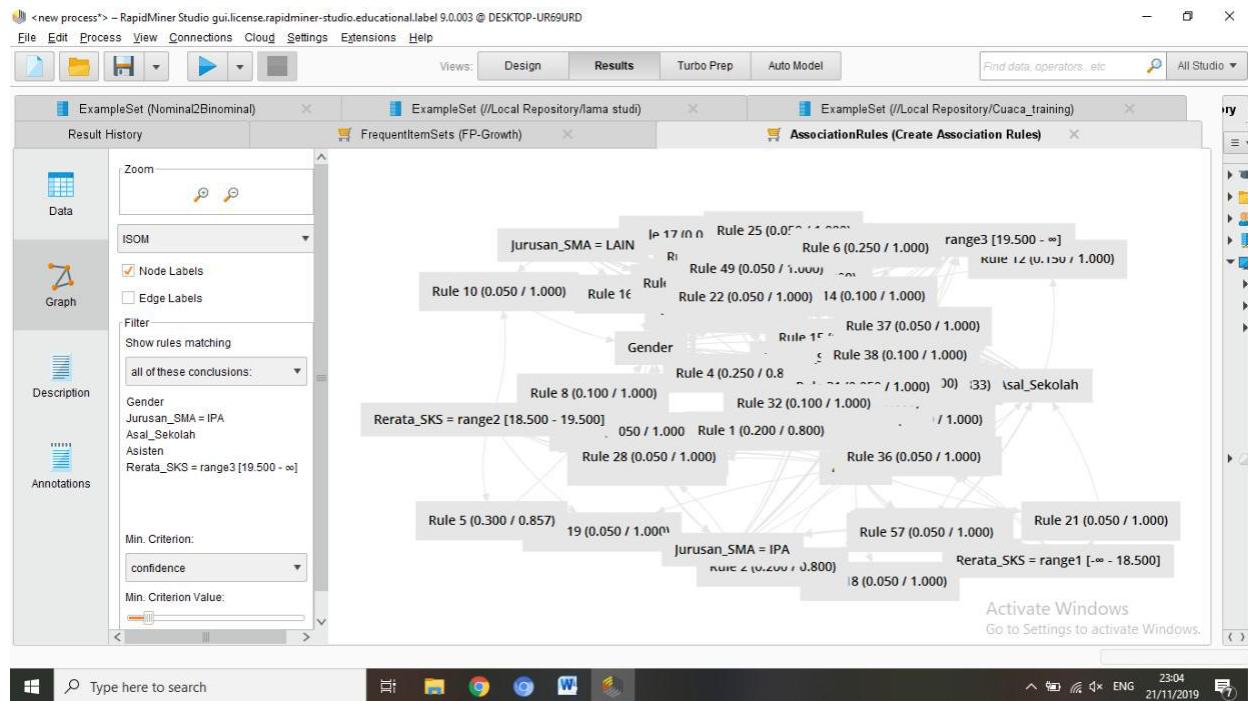
Association Rules (Create Association Rules)

i. Table View

The screenshot shows the RapidMiner Studio interface with the 'AssociationRules (Create Association Rules)' tab selected. The results table displays association rules with columns for No., Premises, Conclusion, Support, Confidence, LaPlace, and G. Annotations on the left side show 'Show rules matching all of these conclusions:' and a dropdown for 'Min. Criterion: confidence'. The status bar at the bottom right indicates 'Activate Windows'.

No.	Premises	Conclusion	Support	Confidence	LaPlace	G
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962	-0
5	Rerata_SKS = range2 [18.500 - 19.500]	Gender	0.300	0.857	0.963	-0
6	Rerata_SKS = range3 [19.500 - ∞]	Gender	0.250	1	1	-0
7	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.50...]	Gender	0.100	1	1	-0
8	Rerata_SKS = range2 [18.500 - 19.500], Jurusan_...	Gender	0.100	1	1	-0
9	Rerata_SKS = range2 [18.500 - 19.500], Asisten	Gender	0.050	1	1	-0
10	Rerata_SKS = range2 [18.500 - 19.500], Jurusan_...	Gender	0.050	1	1	-0
11	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1	-0
12	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.150	1	1	-0
13	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0
14	Jurusan_SMA = IPS, Rerata_SKS = range3 [19.50...]	Gender	0.100	1	1	-0
15	Asisten, Rerata_SKS = range3 [19.500 - ∞]	Gender	0.150	1	1	-0
16	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0
17	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender	0.050	Activate Windows	0.963	-0

ii. Graph View



Nama : Fida Amy N A

NIM : L200170075

Kelas : C

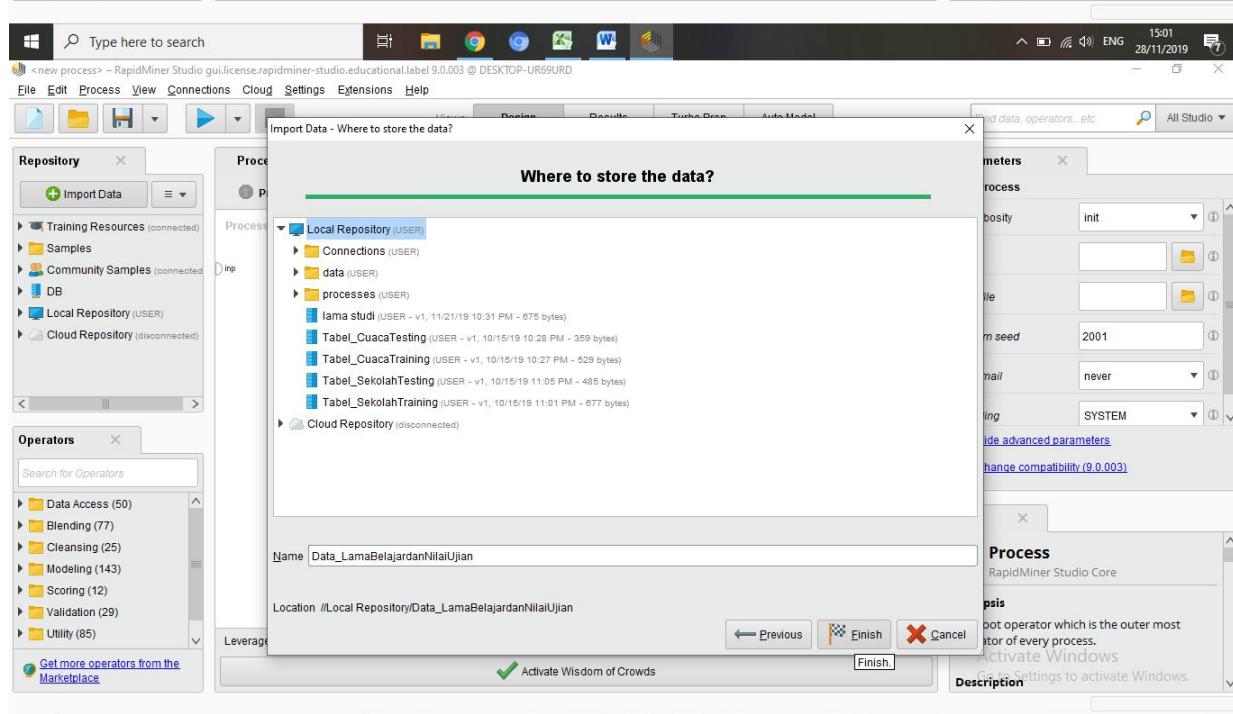
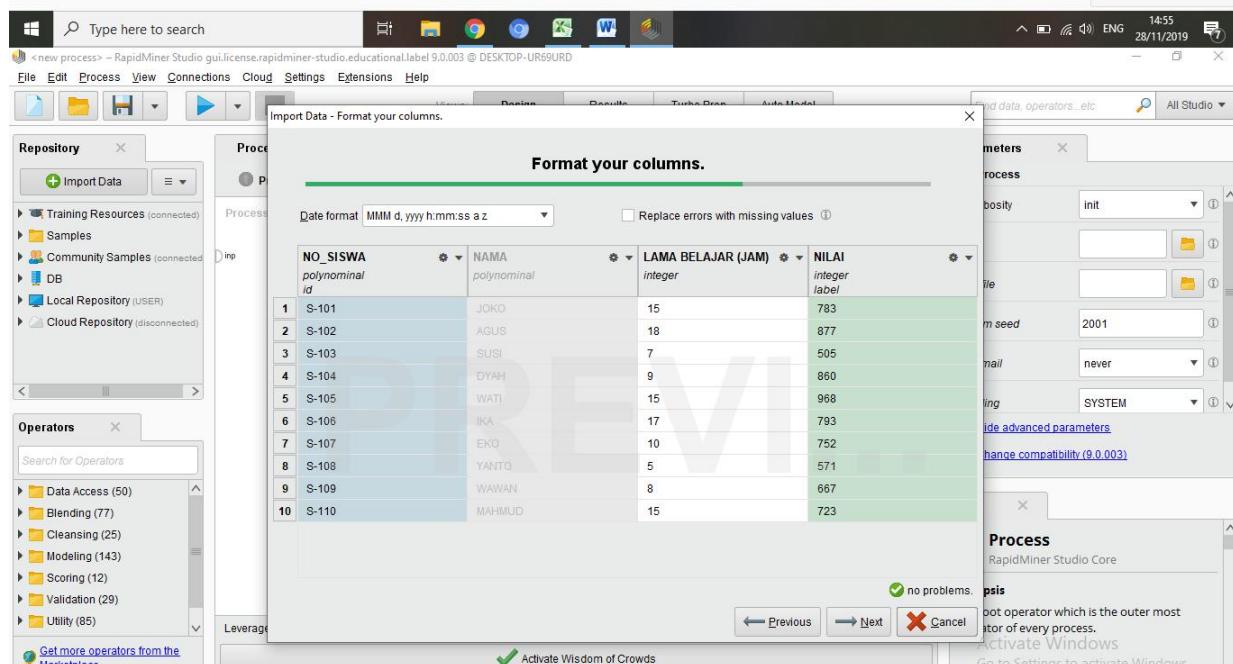
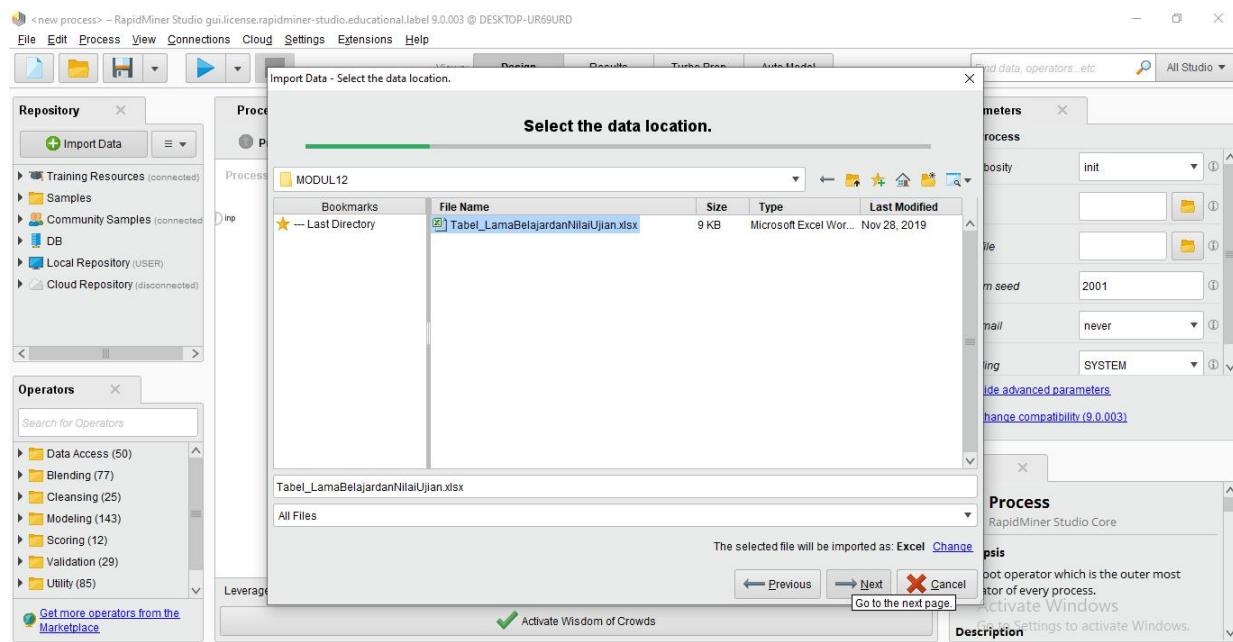
MODUL 12

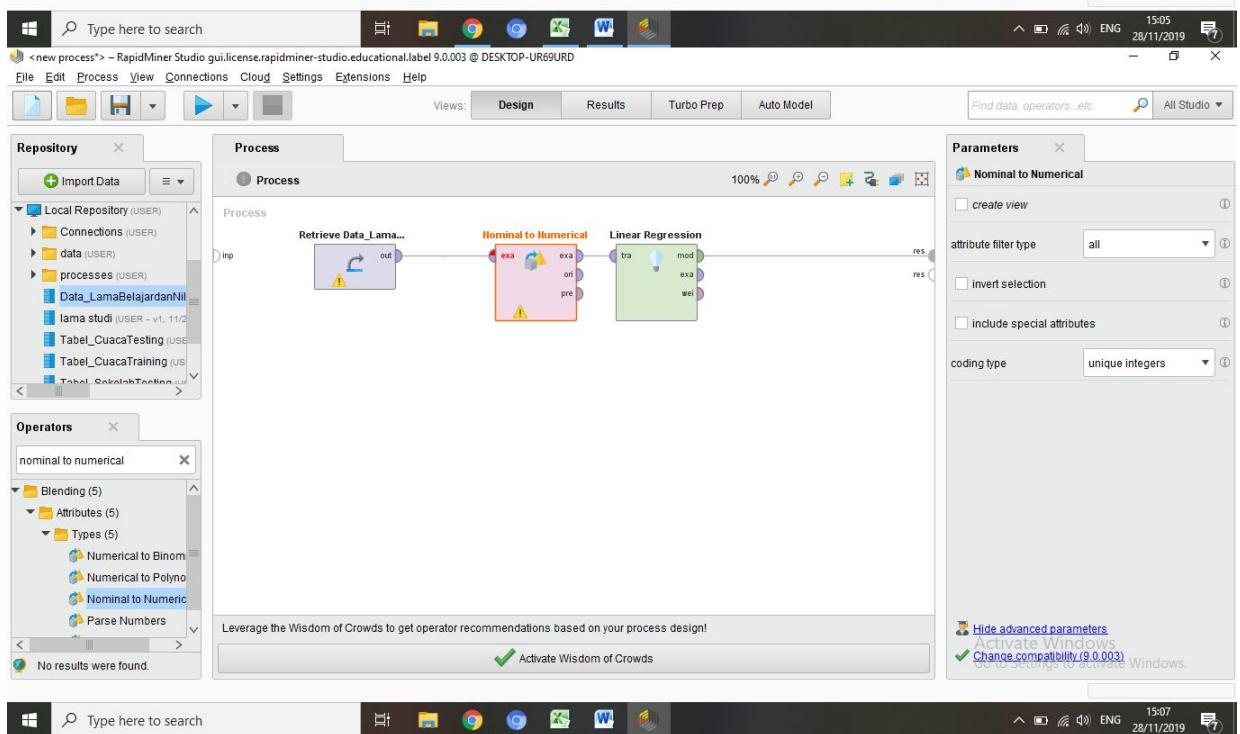
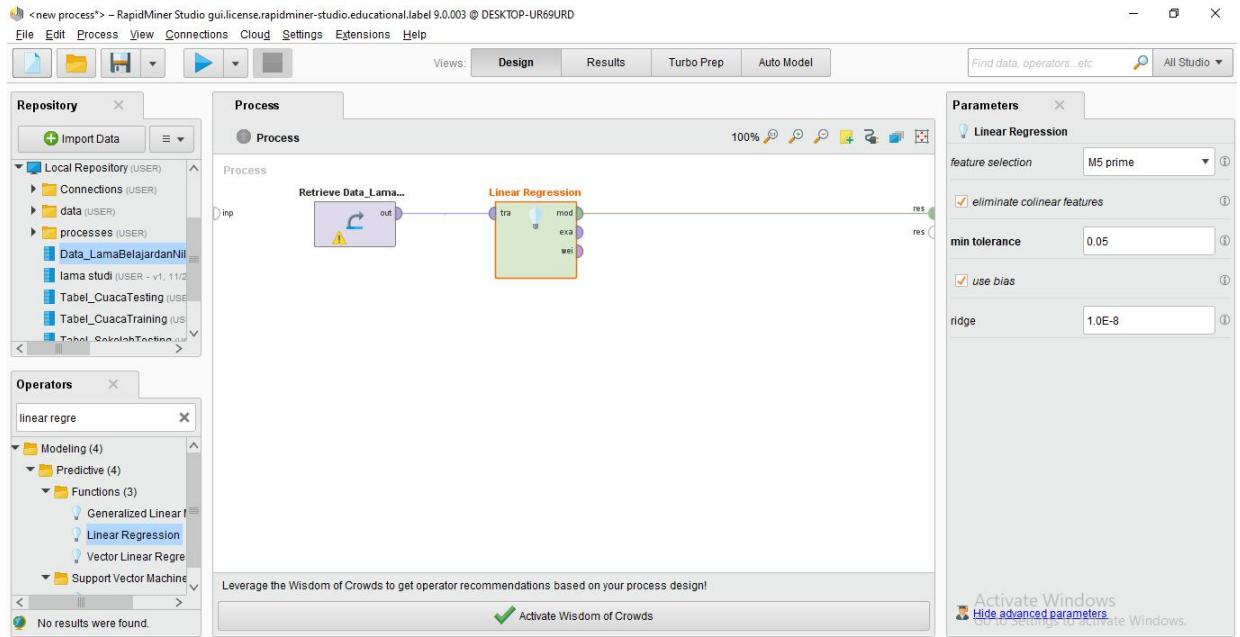
REGRESI LINIER SEDERHANA

LANGKAH – LANGKAH PRAKTIKUM

1. Mencari Nilai t-hitung dan Model Regresi Linier

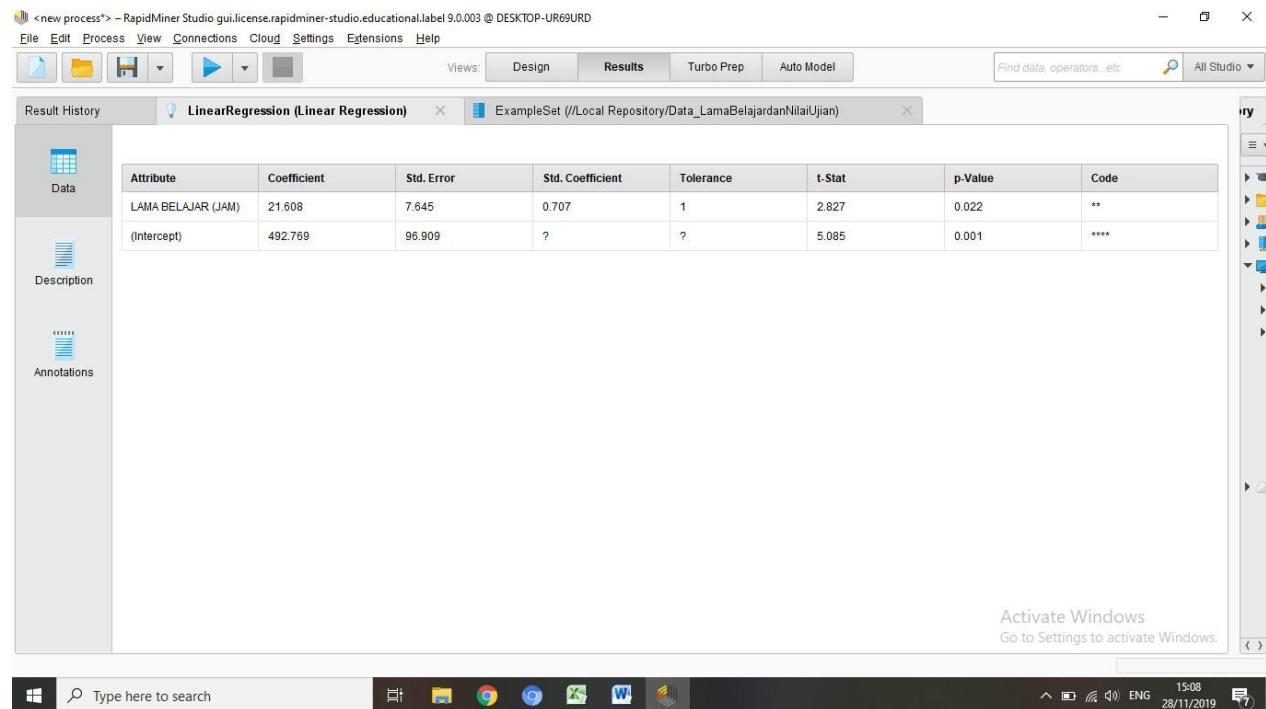
	A	B	C	D
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)	NILAI
2	S-101	JOKO	15	783
3	S-102	AGUS	18	877
4	S-103	SUSI	7	505
5	S-104	DYAH	9	860
6	S-105	WATI	15	968
7	S-106	IKA	17	793
8	S-107	EKO	10	752
9	S-108	YANTO	5	571
10	S-109	WAWAN	8	667
11	S-110	MAHMUD	15	723





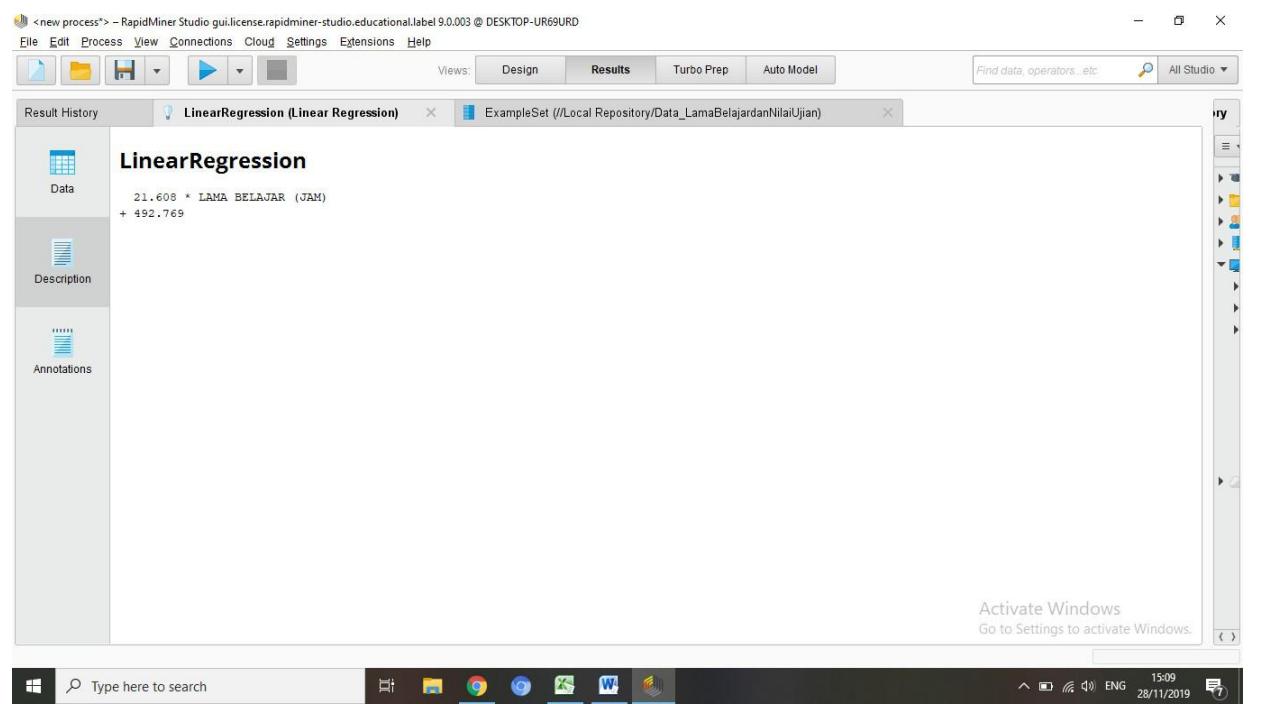
Hasil proses regresi linier :

a) Table View (mencari besarnya nilai t-hitung)



Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
LAMA BELAJAR (JAM)	21.608	7.645	0.707	1	2.827	0.022	**
(Intercept)	492.769	96.909	?	?	5.085	0.001	****

b) Text View (mencari model regresi)



LinearRegression

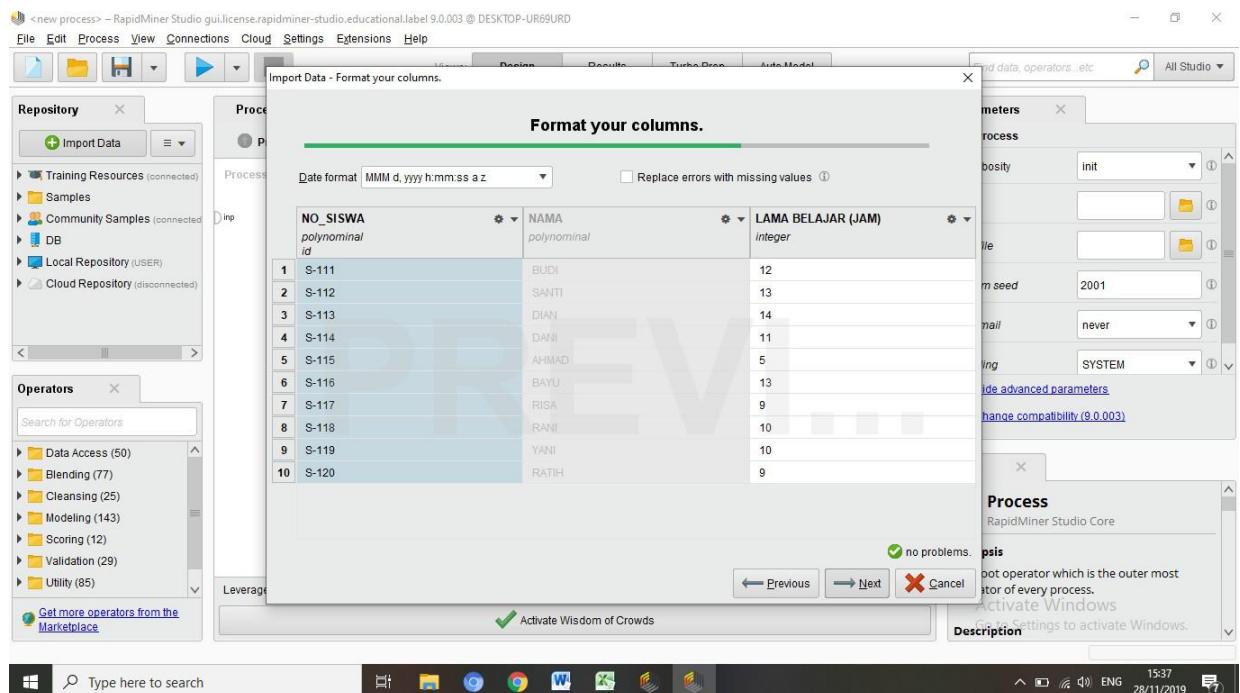
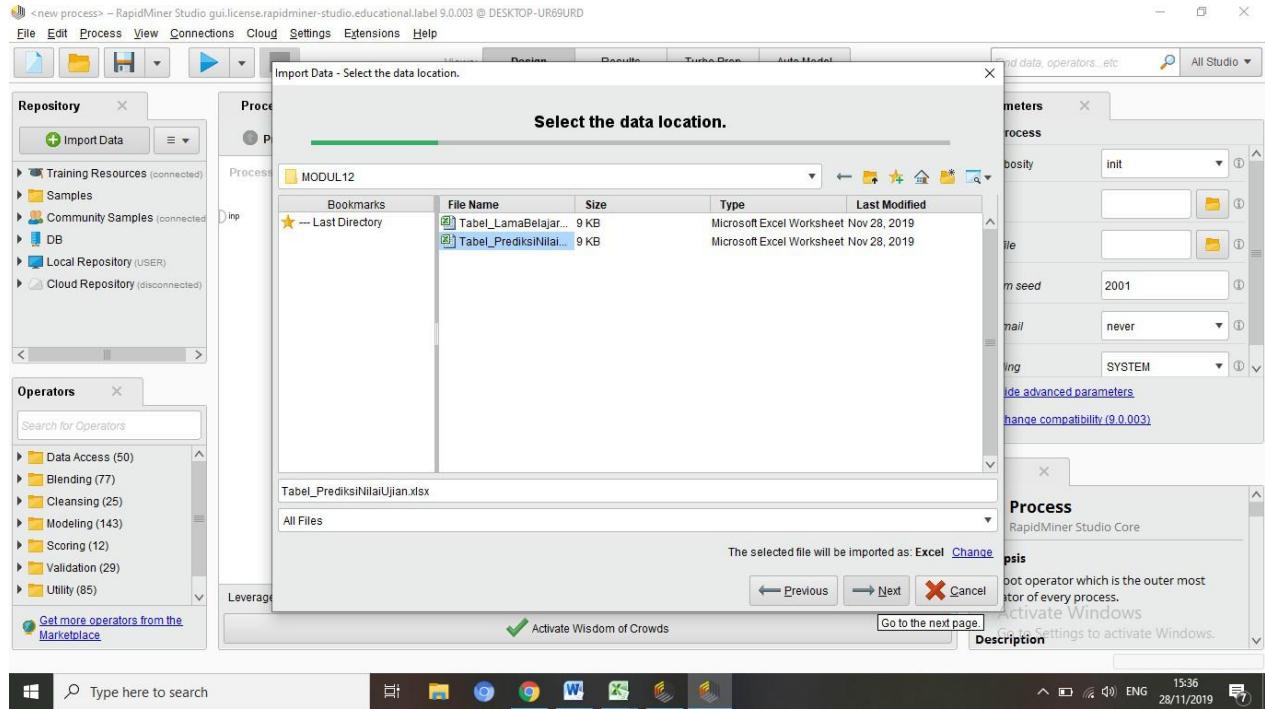
21.608 * LAMA BELAJAR (JAM)
+ 492.769

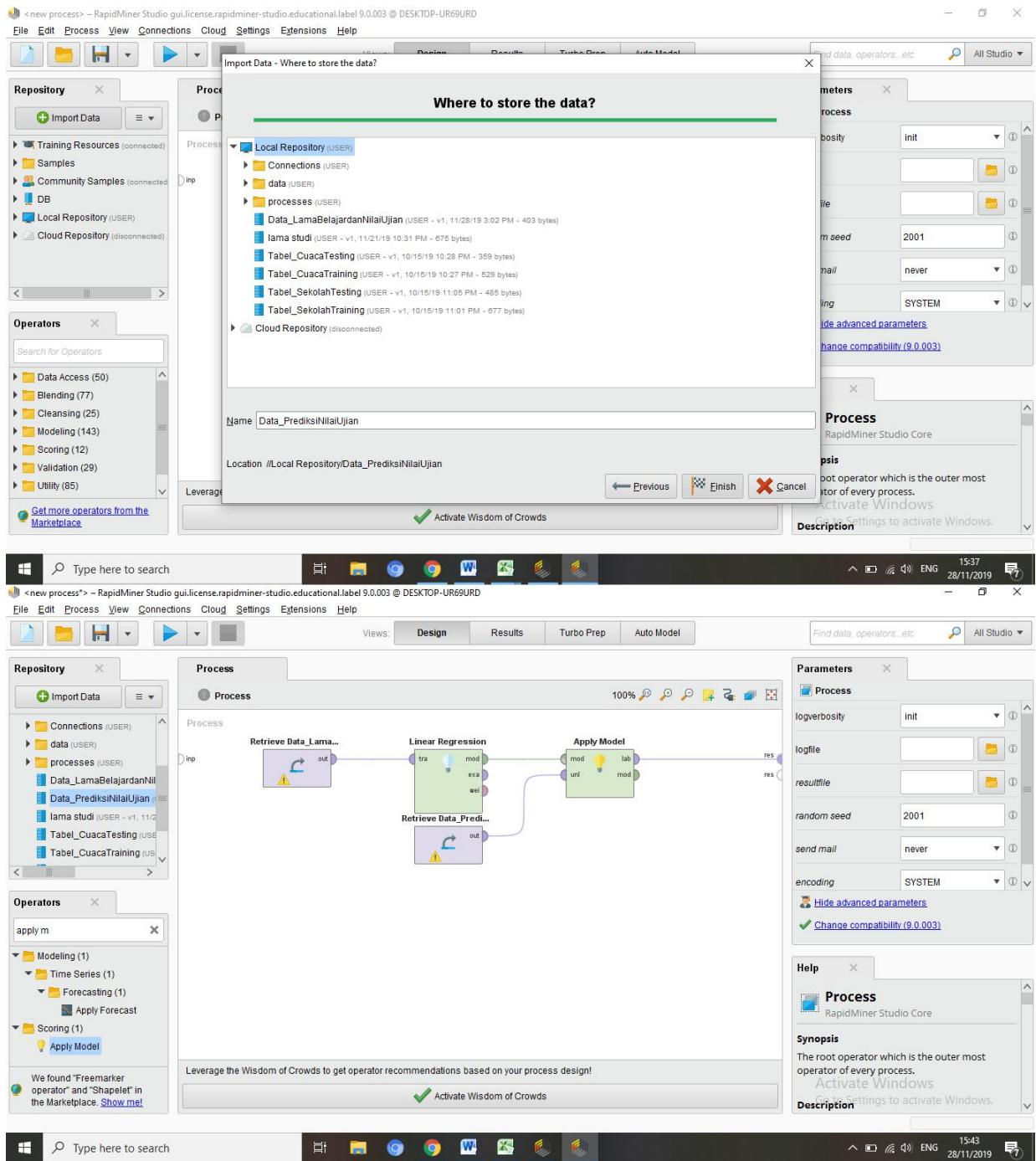
2. Mencari Nilai t dan Model Regresi Linier Menggunakan RapidMiner

Screenshot showing the Microsoft Excel interface with a data table titled "Tabel_PrediksiNilaiUjian". The table contains student data with columns: NO_SISWA, NAMA, and LAMA BELAJAR (JAM). The data includes 12 rows of student information.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	NO_SISWA	NAMA	LAMA BELAJAR (JAM)																
2	S-111	BUDI	12																
3	S-112	SANTI	13																
4	S-113	DIAN	14																
5	S-114	DANI	11																
6	S-115	AHMAD	5																
7	S-116	BAYU	13																
8	S-117	RISA	9																
9	S-118	RANI	10																
10	S-119	YANI	10																
11	S-120	RATIH	9																
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			

Below the Excel window is the RapidMiner Studio interface. The process canvas shows an empty process flow with the message "Your process looks empty. Add some data first. Drag data or operators here." The repository sidebar lists training resources, samples, and local/cloud repositories. The operators sidebar lists various data access, blending, cleansing, modeling, scoring, validation, and utility operators. The parameters panel shows settings for the Process operator, including verbosity (init), logfile, resultfile, random seed (2001), send mail (never), and encoding (SYSTEM). The help panel provides synopsis and activation information for the Process operator.



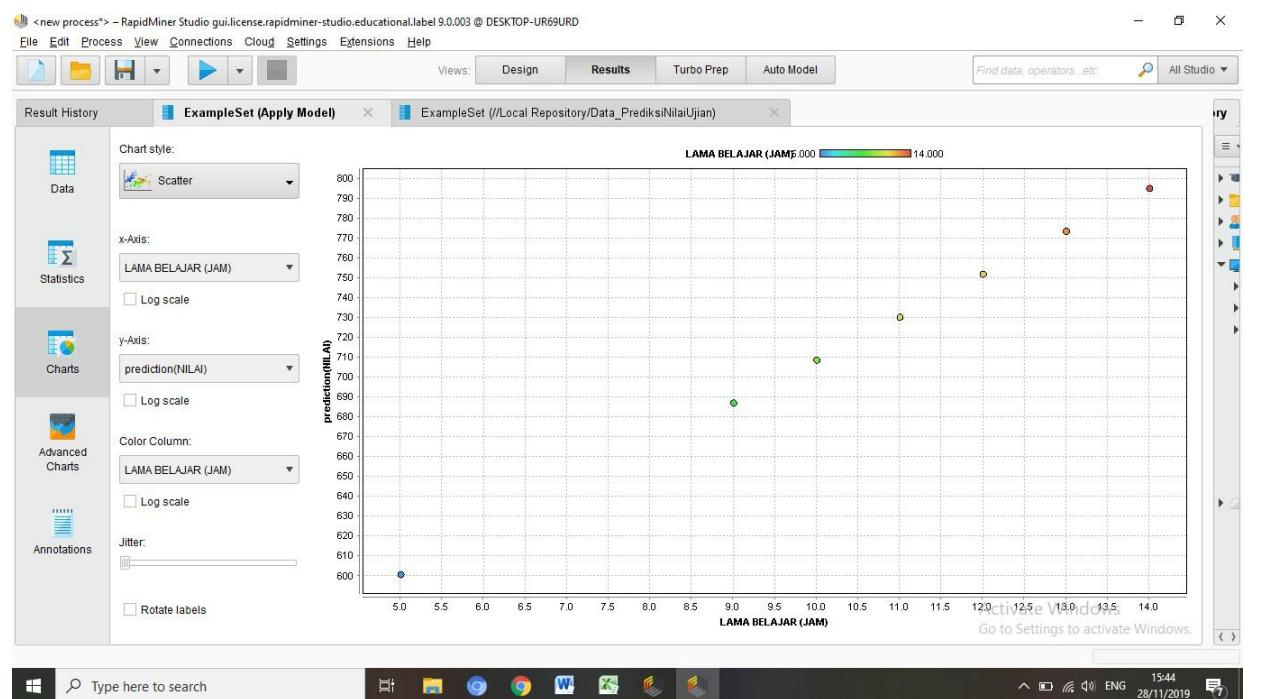


Hasil proses prediksi terhadap data testing menggunakan regresi linier :

a) Data View (mencari besarnya nilai t-hitung)

Row No.	NO_SISWA	prediction(NILAI)	LAMA BELAJAR
1	S-111	752.061	12
2	S-112	773.668	13
3	S-113	795.276	14
4	S-114	730.453	11
5	S-115	600.807	5
6	S-116	773.668	13
7	S-117	687.238	9
8	S-118	708.845	10
9	S-119	708.845	10
10	S-120	687.238	9

b) Charts View (Scatter Plot)



3. Pembuktian Model Regresi

$$Y = 21,608X_1 + 492,769$$

Nama : Fida Amy N A

NIM : L200170075

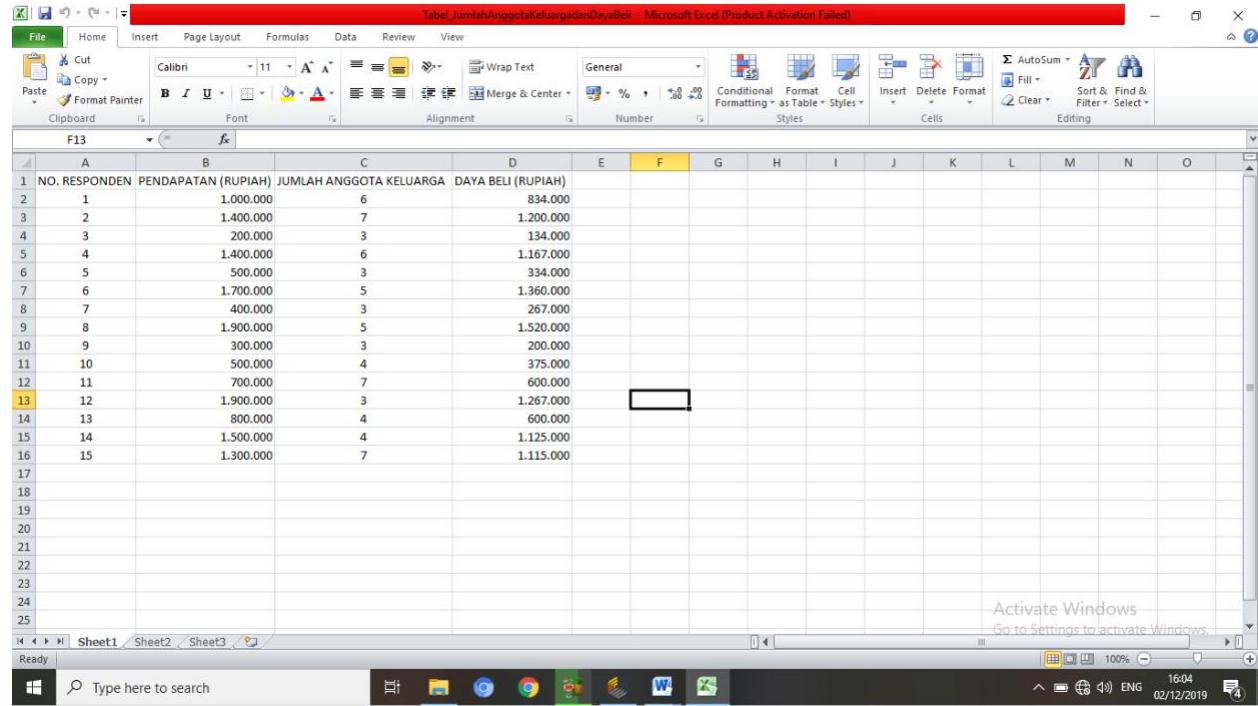
Kelas : C

MODUL 12

REGRESI LINIER SEDERHANA

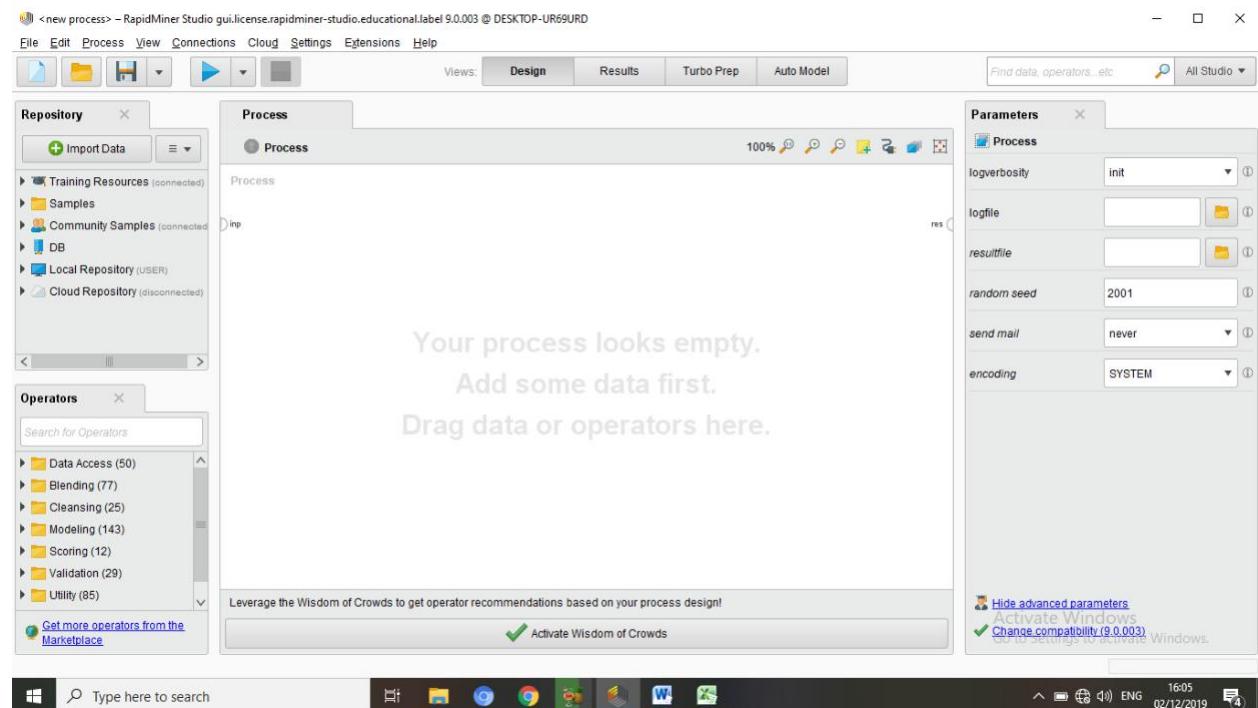
TUGAS

1. Mencari Nilai t-hitung dan Model Regresi Linier

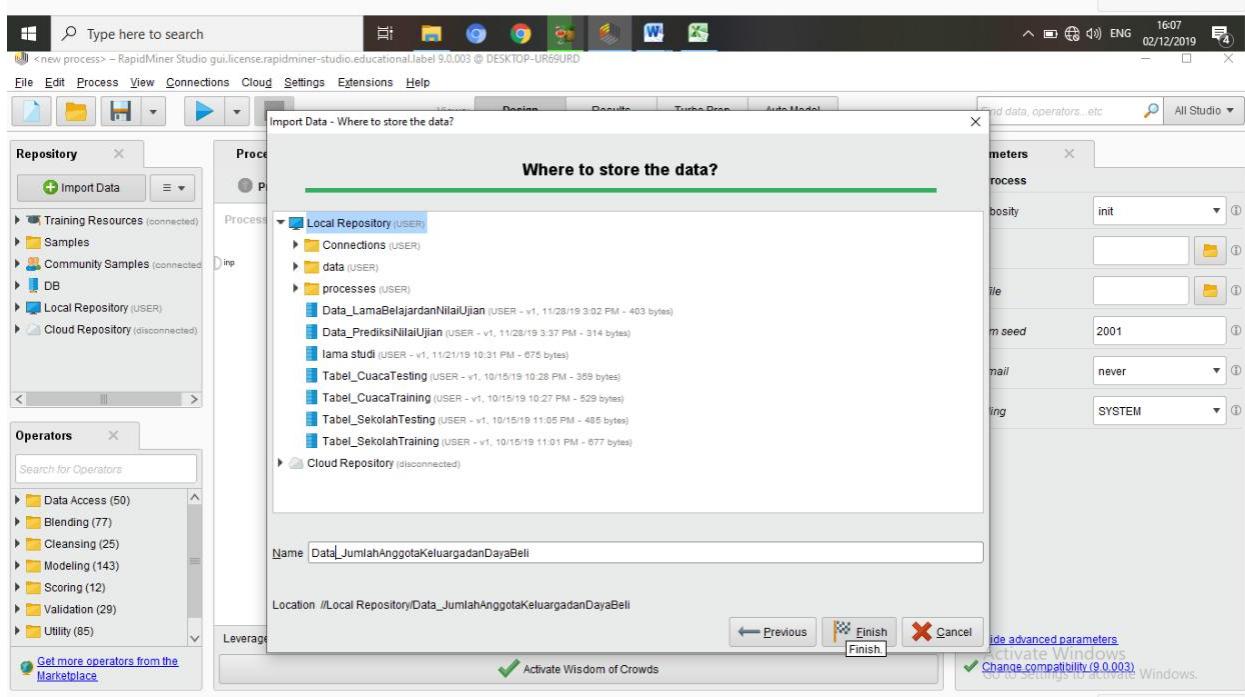
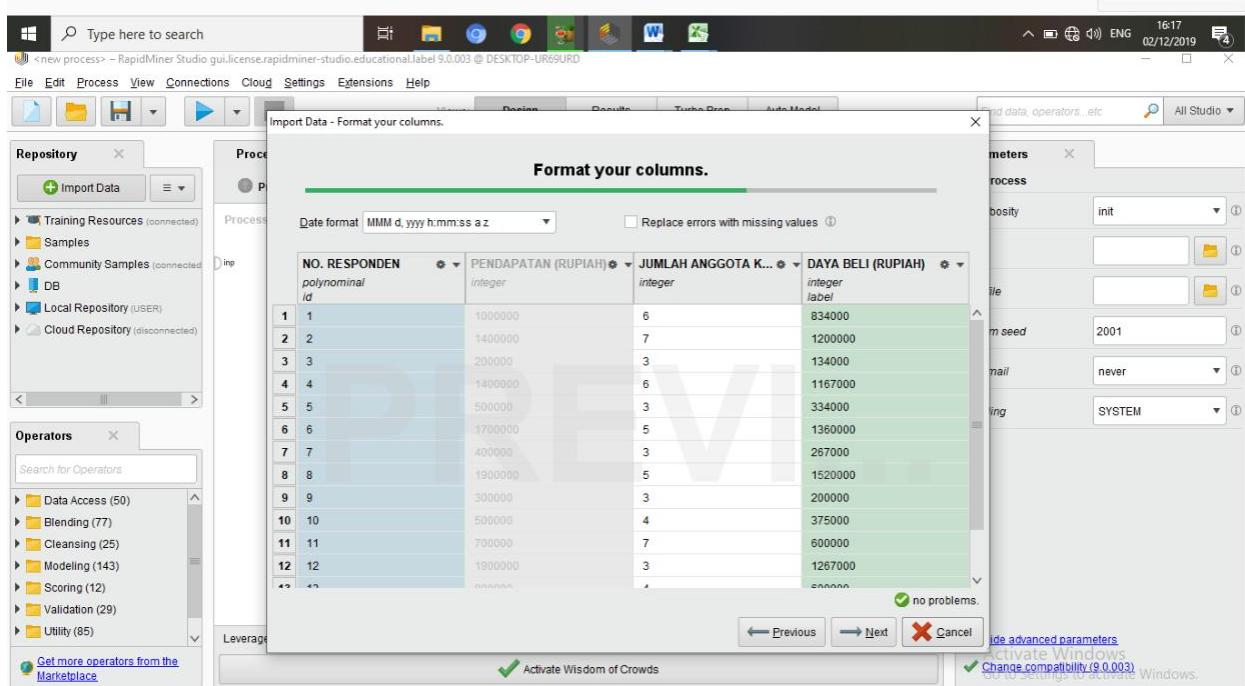
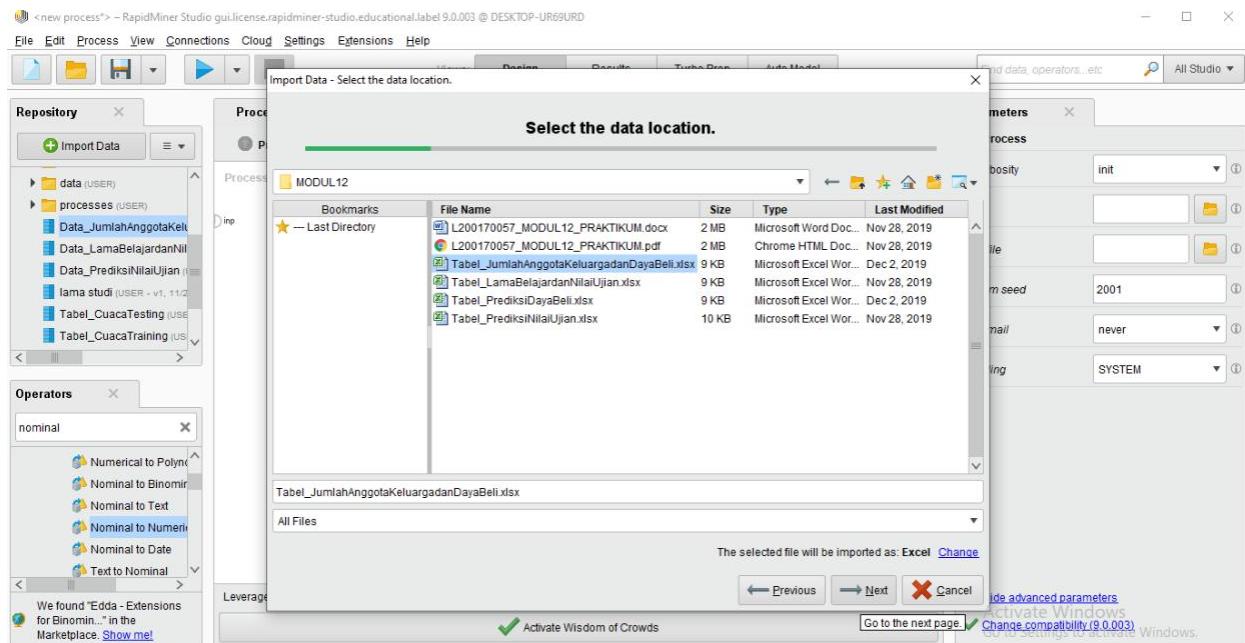


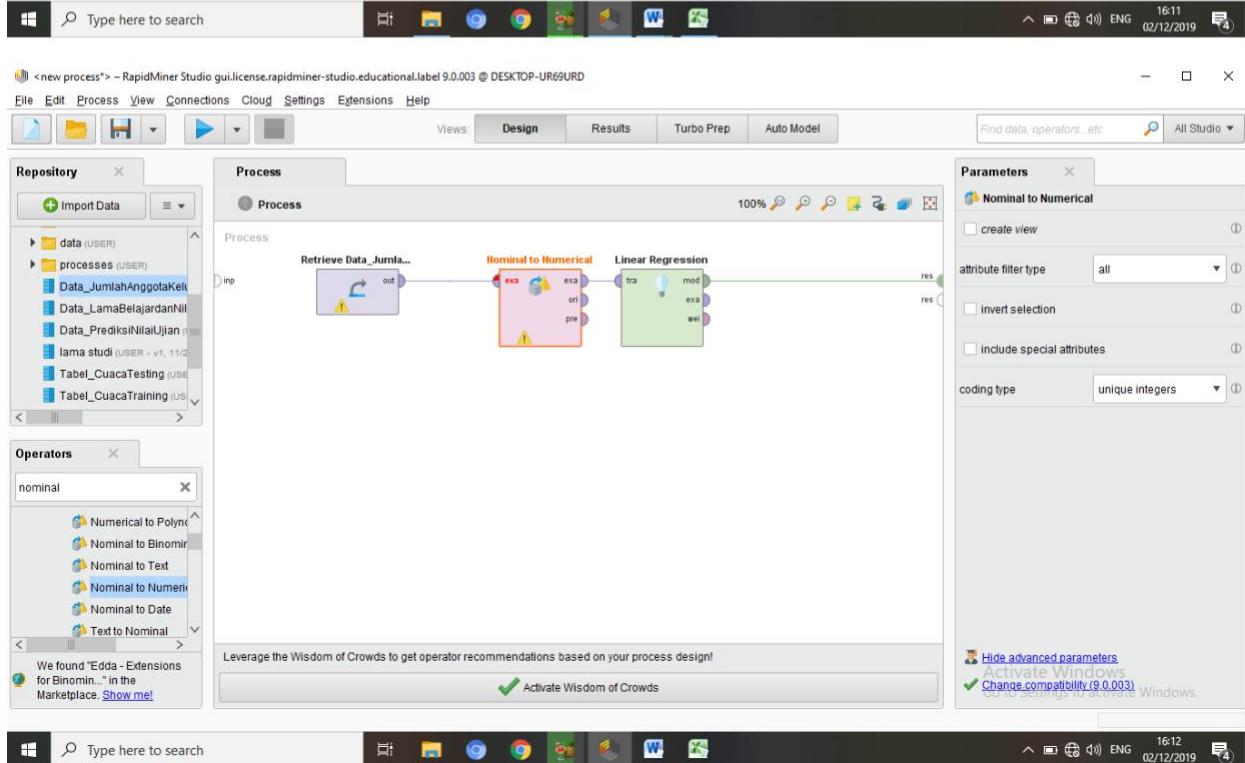
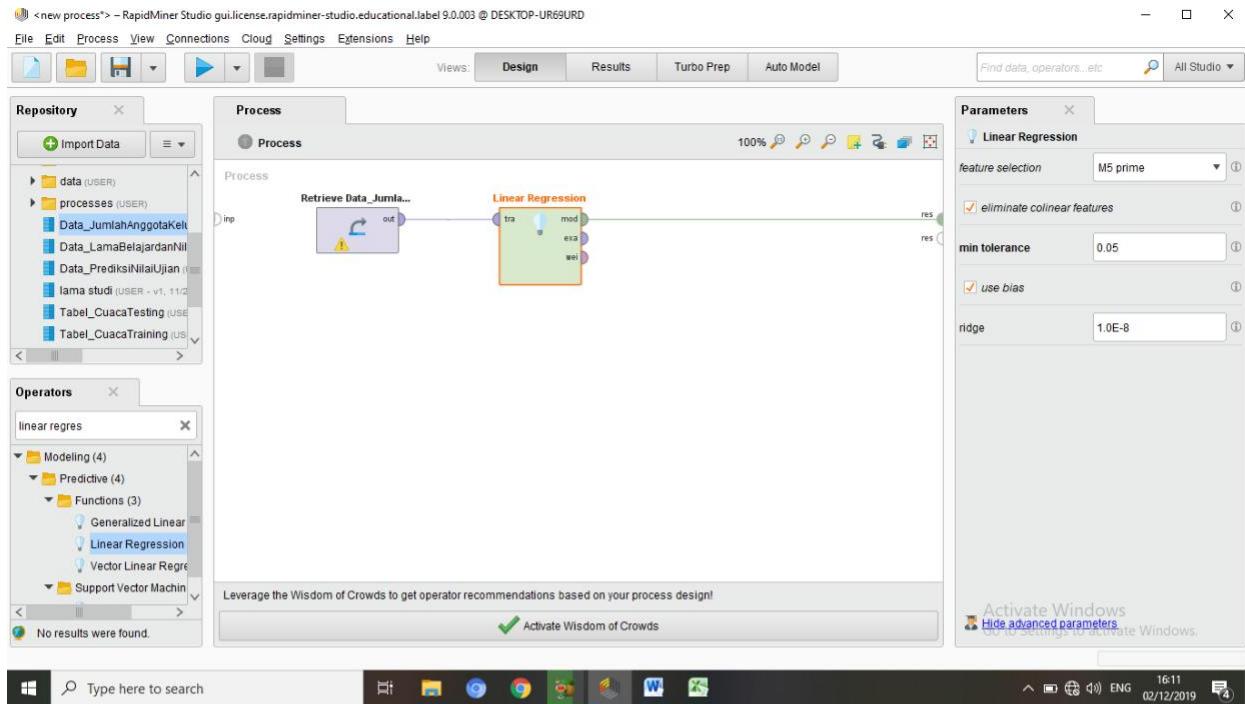
The screenshot shows a Microsoft Excel spreadsheet titled "Tabel Jumlah Anggota Keluarga vs Daya Beli". The data consists of three columns: NO. RESPONDEN (A), PENDAPATAN (RUPIAH) (B), and JUMLAH ANGGOTA KELUARGA (C). Column D is labeled "DAYA BELI (RUPIAH)" and contains numerical values ranging from 834.000 to 1.115.000. Row 13 is highlighted in yellow, and row 14 is selected. The formula bar shows "F13" and "fx". The ribbon tabs include File, Home, Insert, Page Layout, Formulas, Data, Review, and View.

NO. RESPONDEN	PENDAPATAN (RUPIAH)	JUMLAH ANGGOTA KELUARGA	DAYA BELI (RUPIAH)
1	1.000.000	6	834.000
2	1.400.000	7	1.200.000
3	200.000	3	134.000
4	1.400.000	6	1.167.000
5	500.000	3	334.000
6	1.700.000	5	1.360.000
7	400.000	3	267.000
8	1.900.000	5	1.520.000
9	300.000	3	200.000
10	500.000	4	375.000
11	700.000	7	600.000
12	1.900.000	3	1.267.000
13	800.000	4	600.000
14	1.500.000	4	1.125.000
15	1.300.000	7	1.115.000



The screenshot shows the RapidMiner Studio interface. The left sidebar displays "Training Resources" and "Local Repository". The center workspace has a message: "Your process looks empty. Add some data first. Drag data or operators here." Below it is a recommendation: "Leverage the Wisdom of Crowds to get operator recommendations based on your process design!". The bottom right corner shows a status bar with "1605" and "02/12/2019".





Hasil proses regresi linier :

a) Table View (mencari besarnya nilai t-hitung)

The screenshot shows the RapidMiner Studio interface with the 'Results' tab selected. A table titled 'LinearRegression (Linear Regression)' is displayed, showing the following data:

Attribute	Coefficient	Std. Error	Std. Coefficient	Tolerance	t-Stat	p-Value	Code
JUMLAH ANGGOTA K...	151688.679	70801.481	0.511	?	2.142	0.052	*
(Intercept)	98652.830	347817.155	?	?	0.284	0.781	

b) Text View (mencari model regresi)

The screenshot shows the RapidMiner Studio interface with the 'Text' tab selected. The output window displays the following text:

LinearRegression

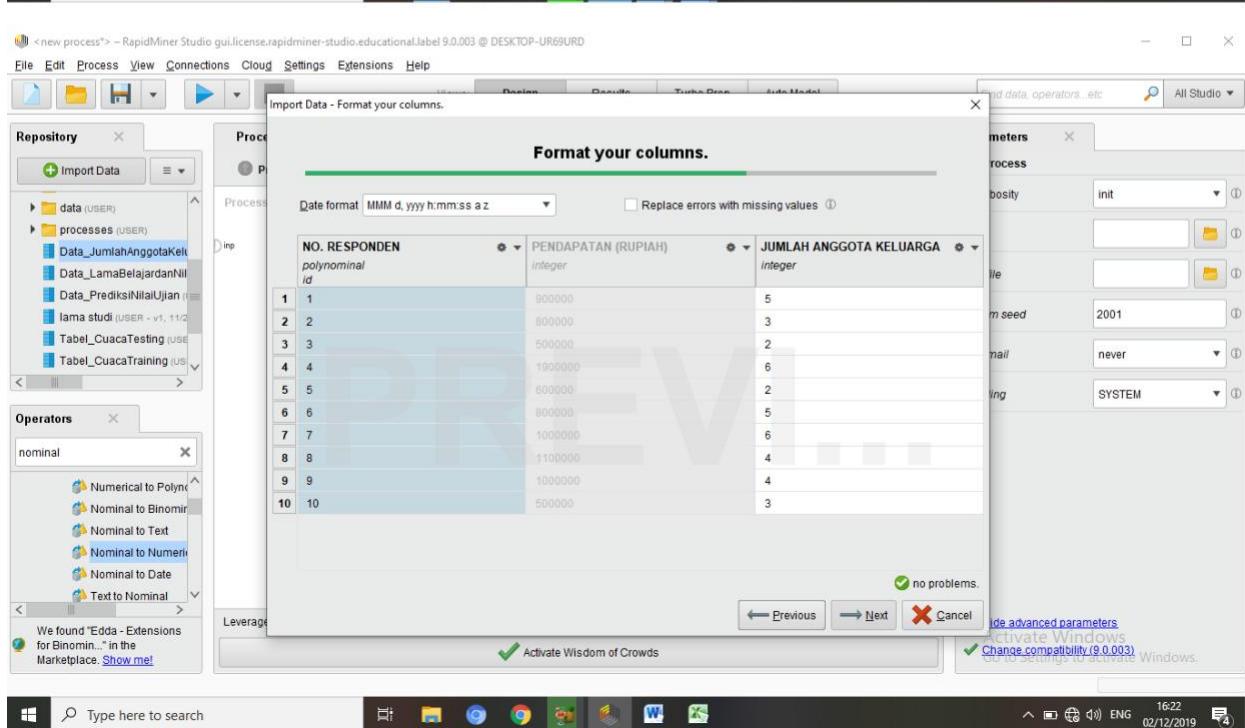
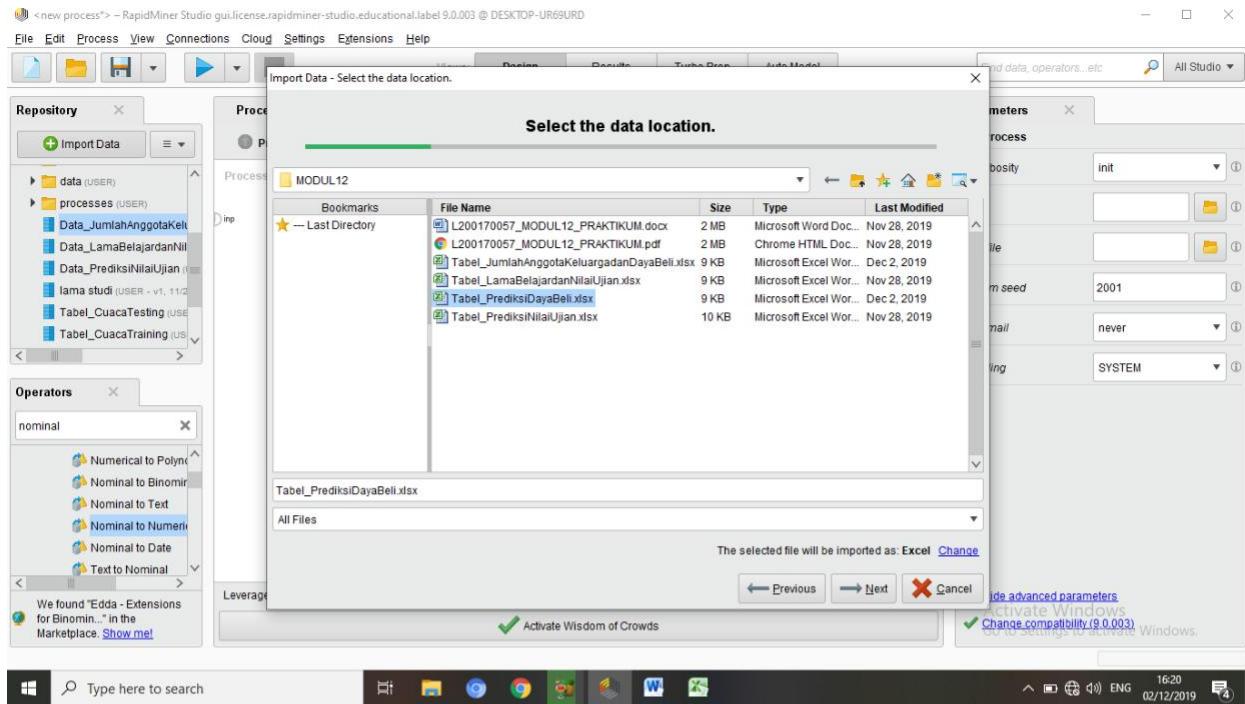
```
151688.679 * JUMLAH ANGGOTA KELUARGA
+ 98652.830
```

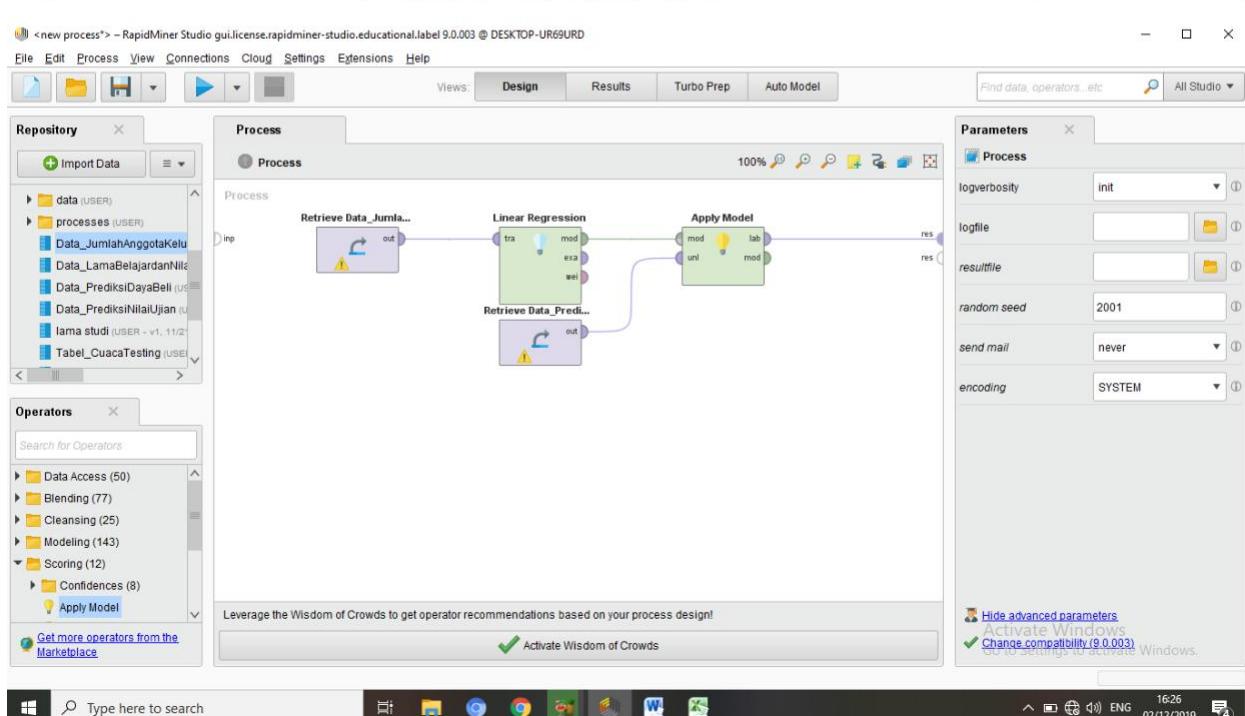
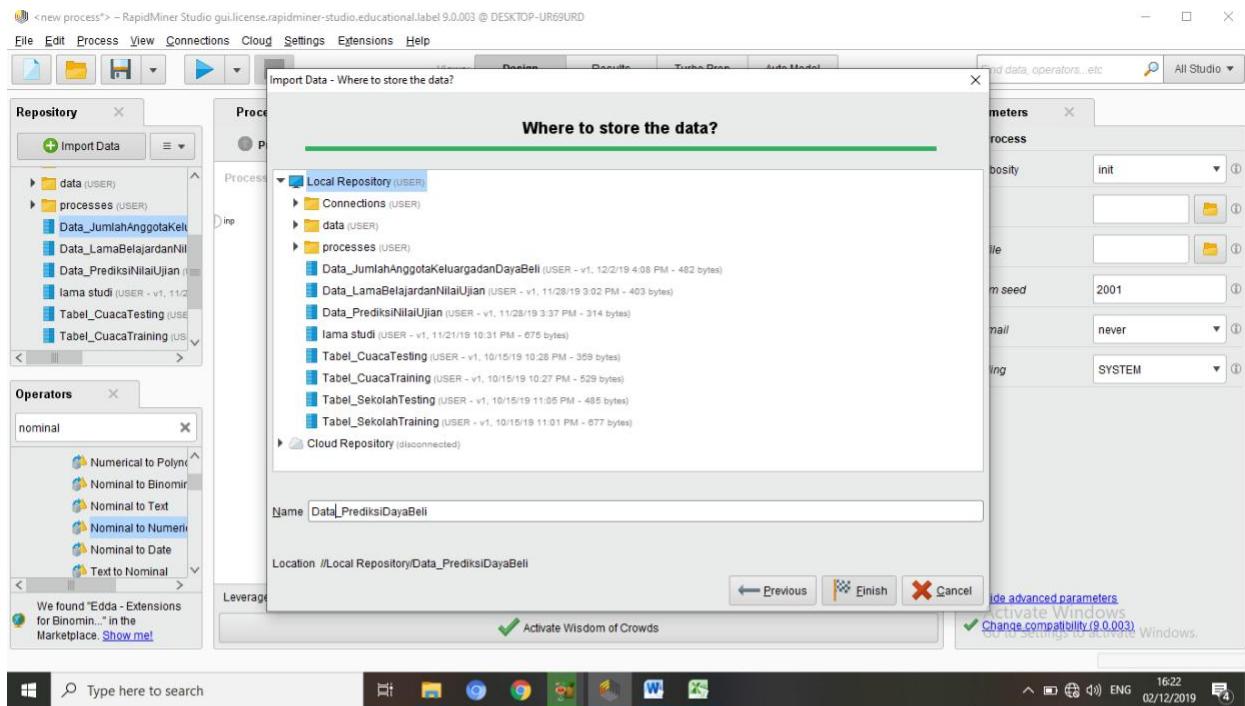
2. Mencari Nilai t dan Model Regresi Linier Menggunakan RapidMiner

Screenshot of Microsoft Excel showing a table titled "Tabel_PrediksiDayaBeli". The table contains data with columns A, B, and C. Column A is labeled "NO. RESPONDEN", column B is labeled "PENDAPATAN (RUPIAH)", and column C is labeled "JUMLAH ANGGOTA KELUARGA".

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	NO. RESPONDEN	PENDAPATAN (RUPIAH)	JUMLAH ANGGOTA KELUARGA												
2	1	900.000	5												
3	2	800.000	3												
4	3	500.000	2												
5	4	1.900.000	6												
6	5	600.000	2												
7	6	800.000	5												
8	7	1.000.000	6												
9	8	1.100.000	4												
10	9	1.000.000	4												
11	10	500.000	3												
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															

Screenshot of the RapidMiner Studio interface. The main workspace shows a message: "Your process looks empty. Add some data first. Drag data or operators here." The left sidebar includes a Repository section with "data (USER)" and "processes (USER)" sections, and an Operators section showing "nominal" operators: Numerical to Poly, Nominal to Binomir, Nominal to Text, Nominal to Numeri, Nominal to Date, and Text to Nominal. The right sidebar shows "Parameters" for the current process, including logverbosity (init), logfile, resultfile, random seed (2001), send mail (never), and encoding (SYSTEM). The bottom status bar shows the date and time as 02/12/2019 16:19.





Hasil proses prediksi terhadap data testing menggunakan regresi linier :

a) Data View (mencari besarnya nilai t-hitung)

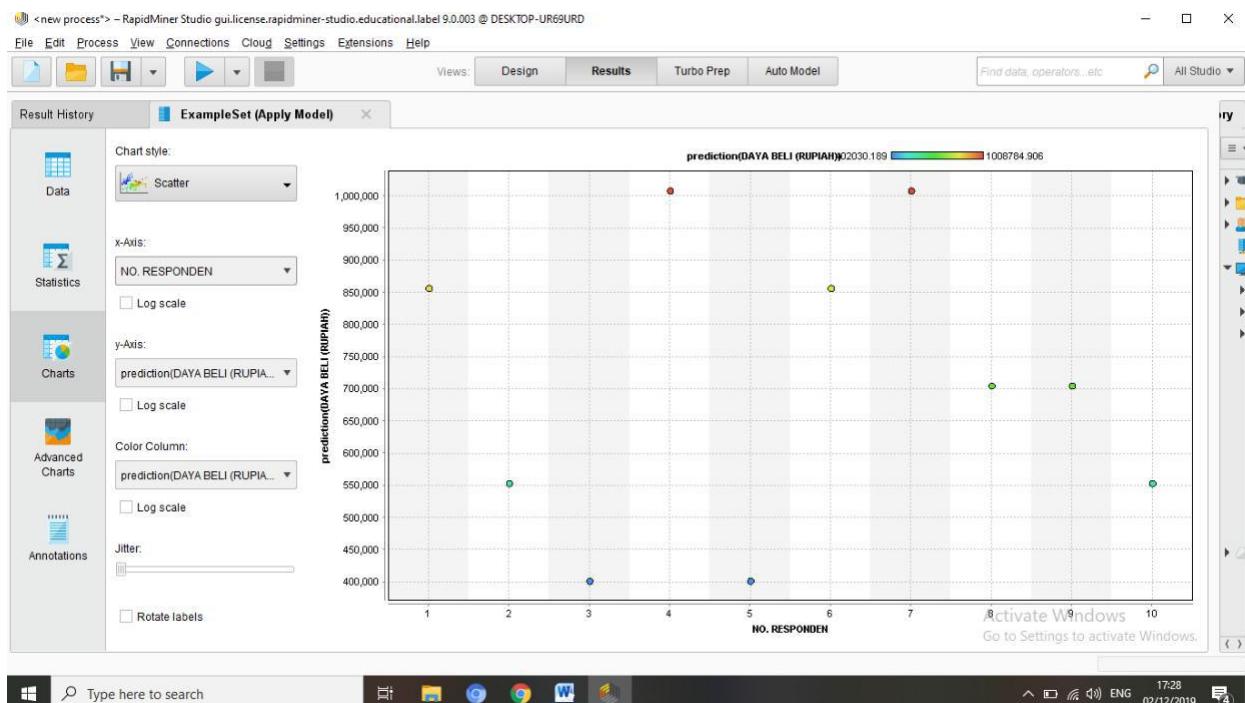
Activate Windows
Go to Settings to activate Windows.

b) Charts View (Scatter Plot)

x-Axis = No. Responden,

y-Axis = Prediction (Daya Beli (Rupiah)),

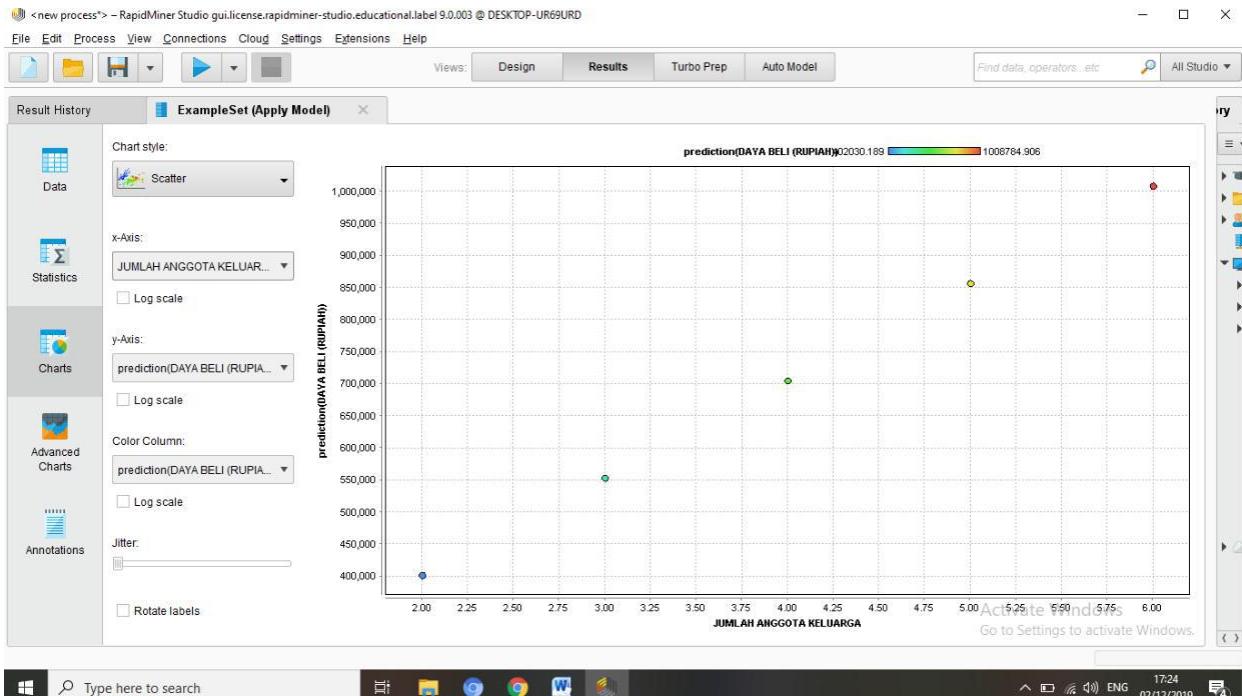
Color Column = Prediction (Daya Beli (Rupiah))



x-Axis = Jumlah Anggota Keluarga,

y-Axis = Prediction (Daya Beli (Rupiah)),

Color Column = Prediction (Daya Beli (Rupiah))



3. Pembuktian Model Regresi

$$Y = 151688,679 X_1 + 98652,830$$