

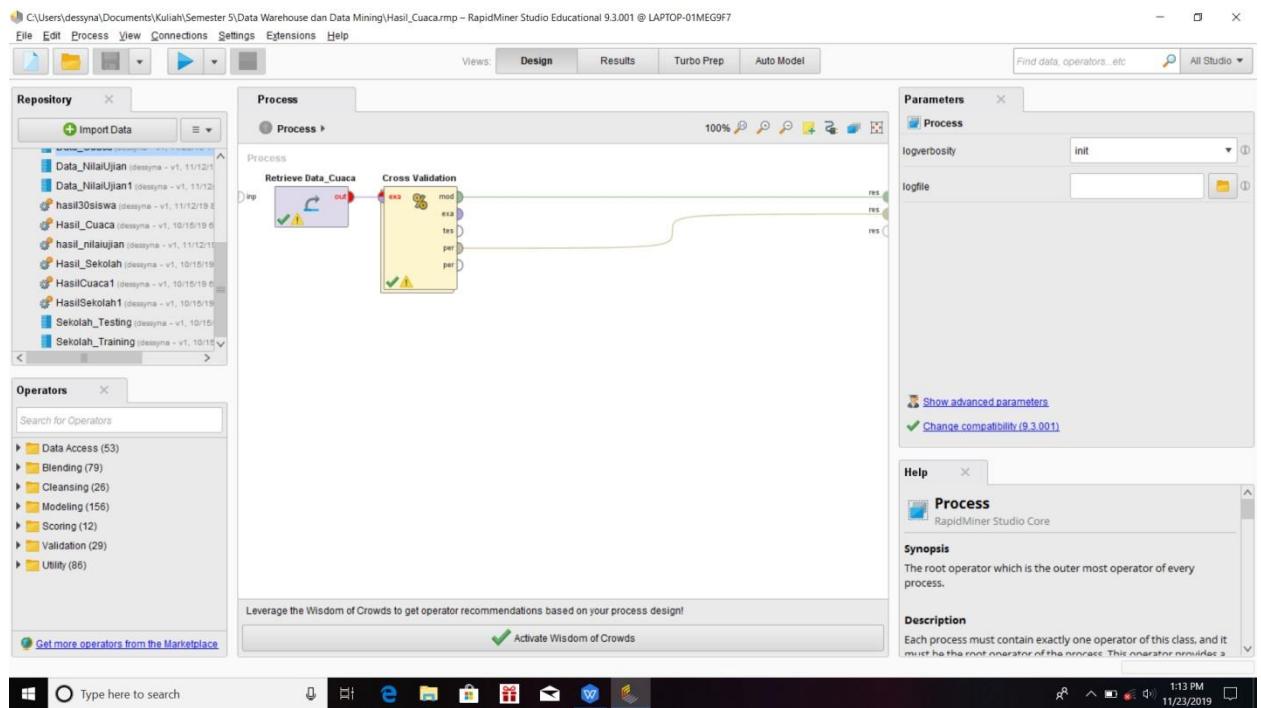
# MODUL 11

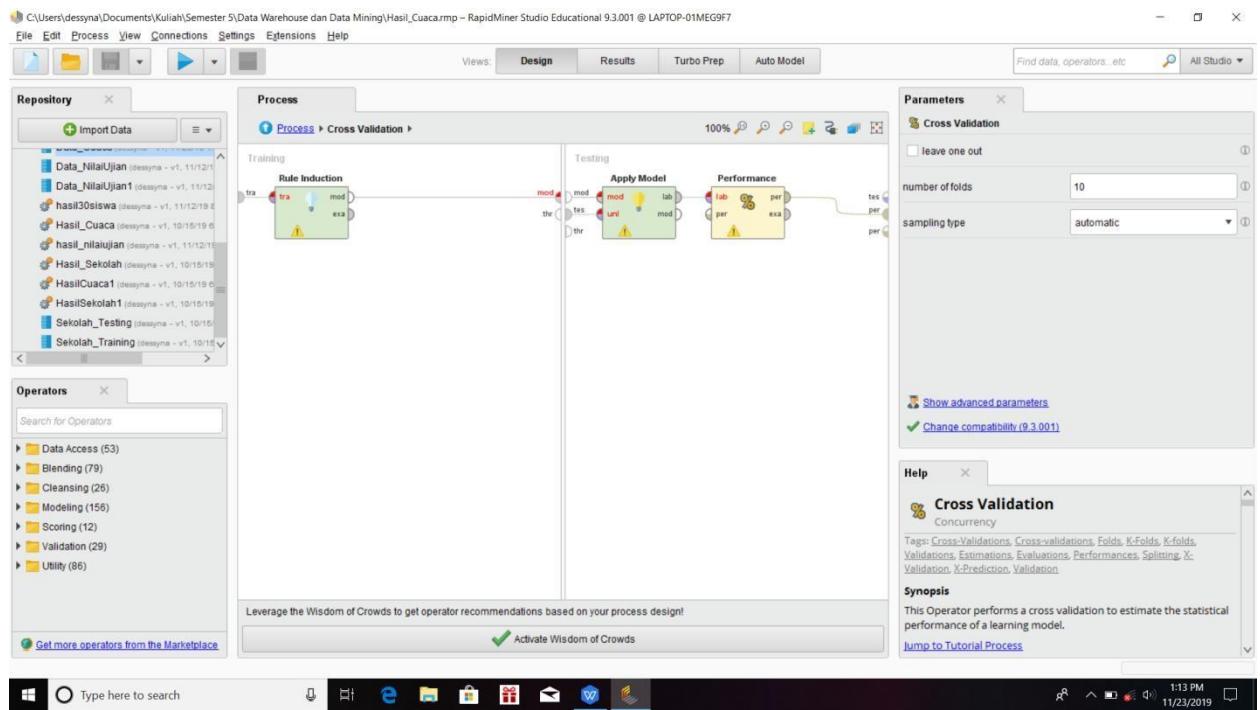
## INDUKSI DAN ATURAN ASOSIASI

### Langkah - langkah Praktikum

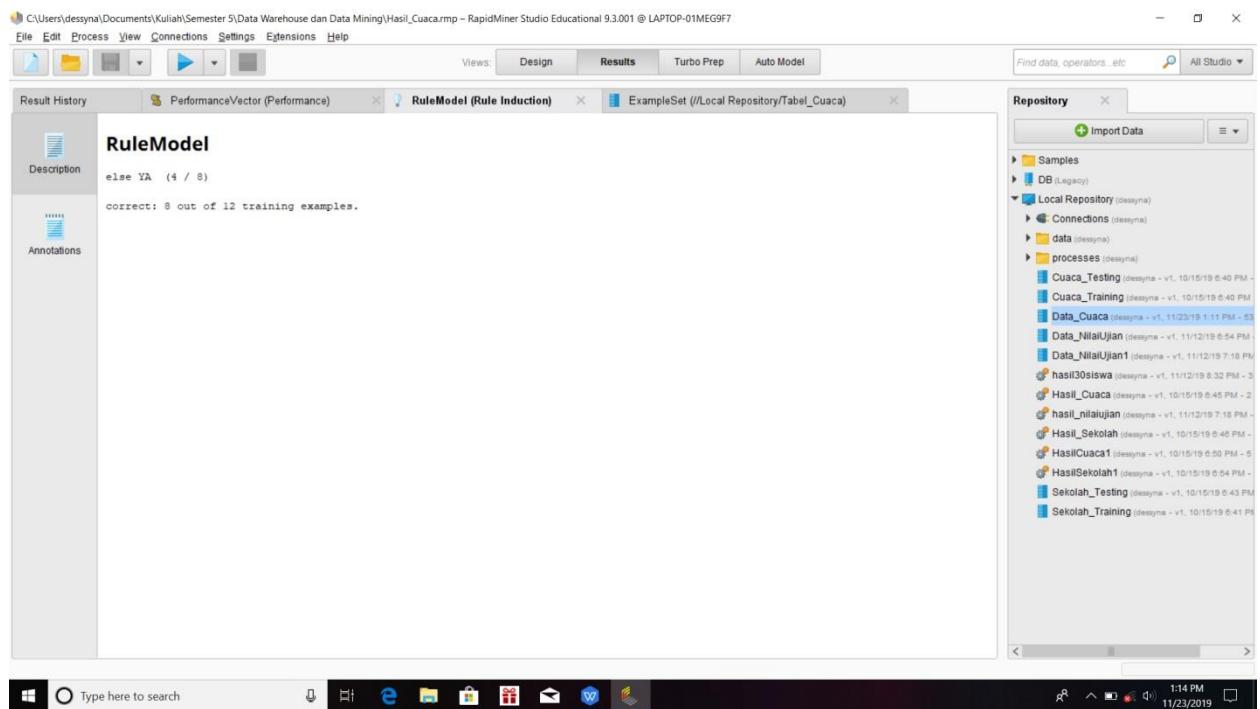
#### A. Induksi Aturan Data Cuaca

1. Jalankan aplikasi RapidMiner
2. Gunakan model proses dari praktikum data mining Modul 9 kegiatan 9.4.2
3. Dari hasil kegiatan tersebut menghasilkan sebuah pohon keputusan
4. Kembali ke Process - Cross Validation
5. Klik kanan operator Decision Tree pada area Training
6. Pilih Replace Operator --- Modeling --- predictive --- rules --- rule Induction

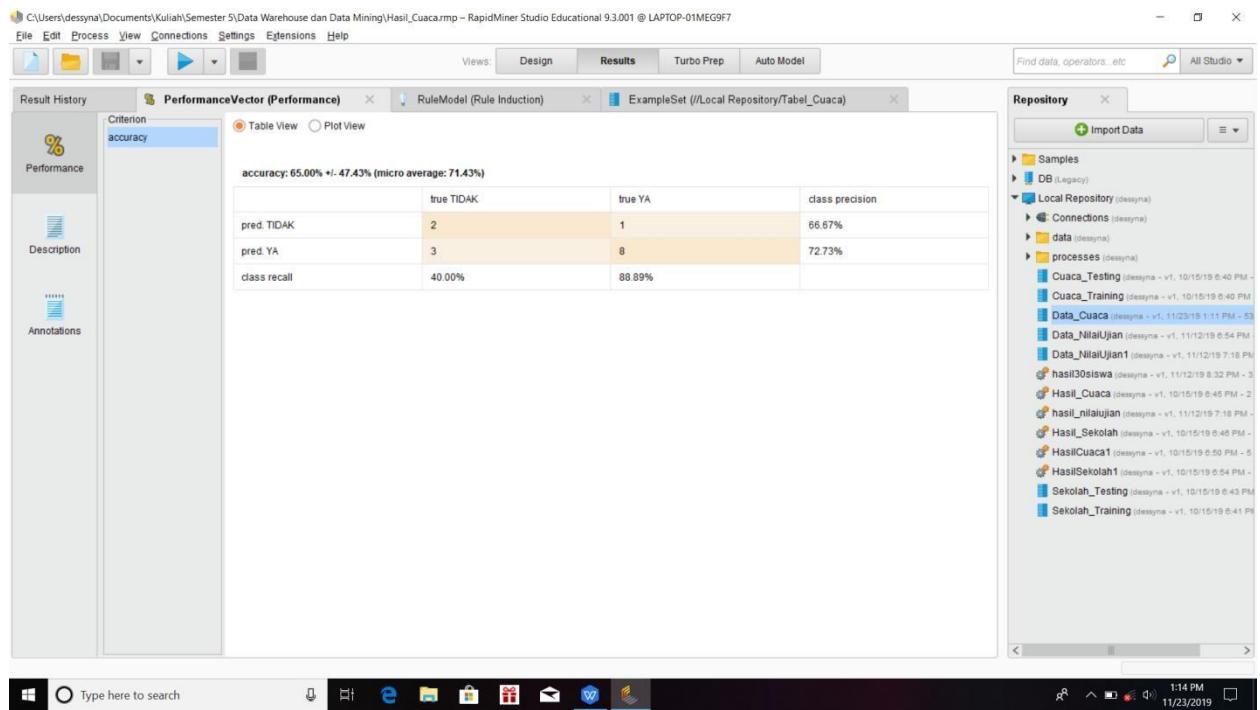




7. Tanpa mengubah parameter - parameter yang lainnya, jalankan proses dengan menekan tombol run (atau menekan tombol F11)
8. Sehingga akan diperoleh sebuah induksi aturan dari datatraining yang diberikan yang disebut sebagai RuleModel (Rule Induction)

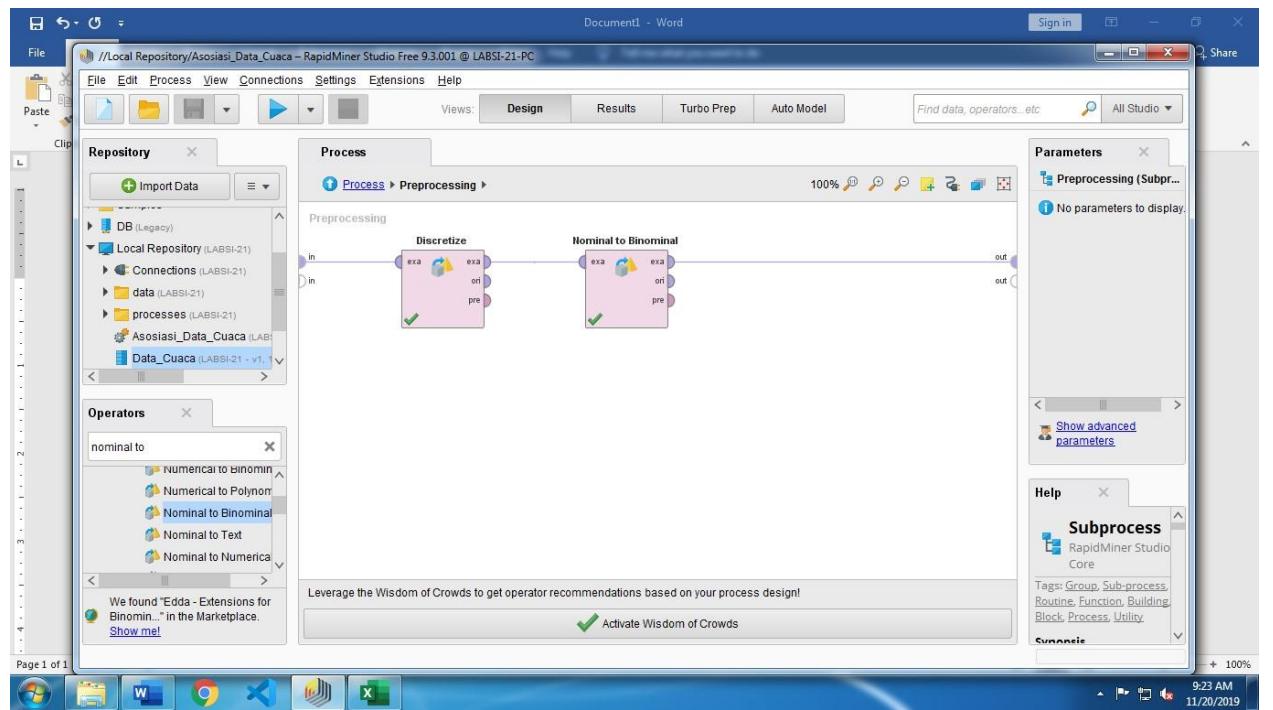


9. Model Rule Induction ini juga bisa ditunjukkan hasil Performance Vector (Performance)



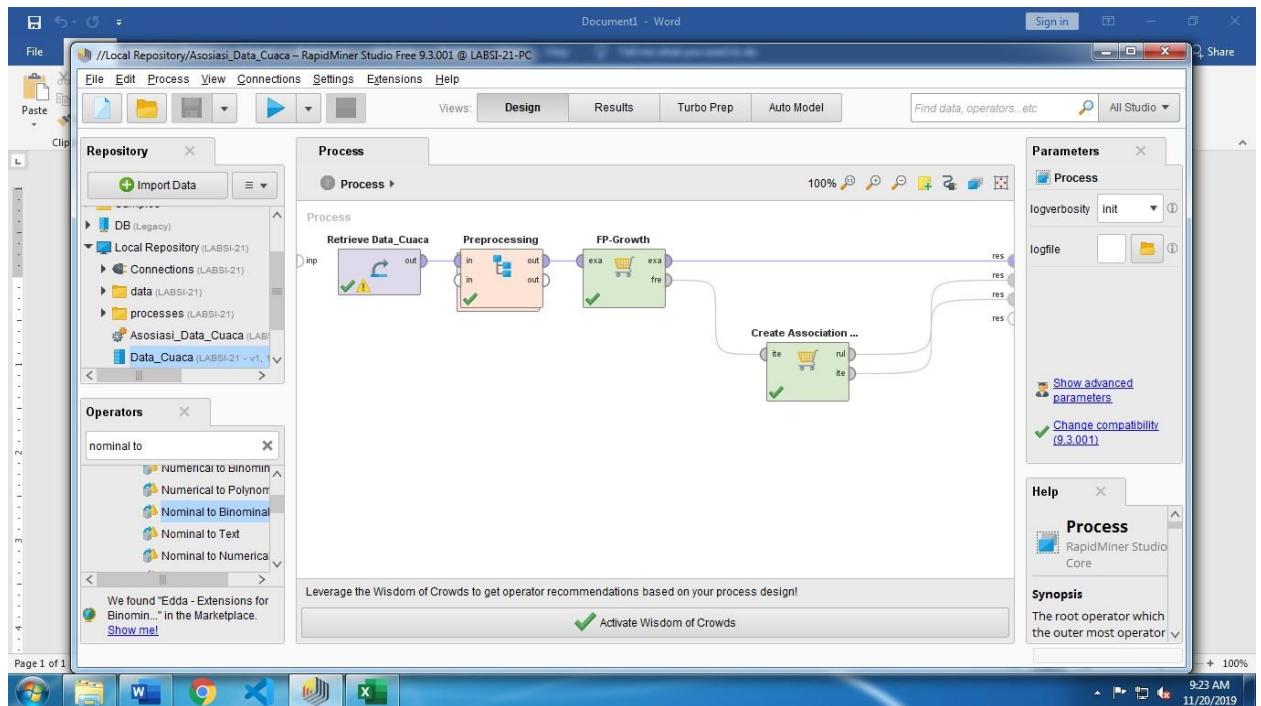
## B. Aturan Asosiasi Data Cuaca

1. Masih dengan menggunakan RapidMiner , pilih New process
2. Gunakan DataCuaca\_Training dan drag dari repository ke area process View
3. Tambahkan operator utility --- subprocess ke dalam area.
4. Klik ganda operator preprocessing sehingga masuk pada area Nested Chain
5. Pada area Nested chain tambahkan operator-operator berikut
  - a. Cleansing -- Binning --- Discretize by Frequency
  - b. Blending --- attributes --- types --- Nominal to Binomial



6. Kembali ke main process , tambahkan 2 buah operator

- Modelling --- Association -- FP Growth
- Modelling -- Association --- Create association Rules



- Jalankan proses dengan menekan tombol run
- Dapat dilihat hasil - hasil aturan asosiasi sebagai berikut :

### a. Frequent Item Set (FP-Growth)

The screenshot shows the RapidMiner Studio interface with the 'Results' tab selected. In the center, a table titled 'FrequentItemSets (FP.Growth)' displays frequent item sets. The table has columns: Size, Support, Item 1, Item 2, Item 3, and Item 4. The data shows 26 sets, with the first few rows being:

Size	Support	Item 1	Item 2	Item 3	Item 4
1	0.500	Kelembapan_U...			
1	0.429	Berangin			
1	0.429	Suhu			
1	0.357	Cuaca = Cerah			
1	0.357	Cuaca = Hujan			
1	0.286	Cuaca = Mendu...			
2	0.214	Kelembapan_U...	Berangin		
2	0.214	Kelembapan_U...	Suhu		
2	0.214	Kelembapan_U...	Cuaca = Cerah		
2	0.143	Kelembapan_U...	Cuaca = Hujan		
2	0.143	Kelembapan_U...	Cuaca = Mendu...		
2	0.143	Berangin	Suhu		
2	0.143	Berangin	Cuaca = Cerah		

The right side of the interface shows the 'Repository' pane with a tree view of local resources.

Association rules (Create Association Rules)

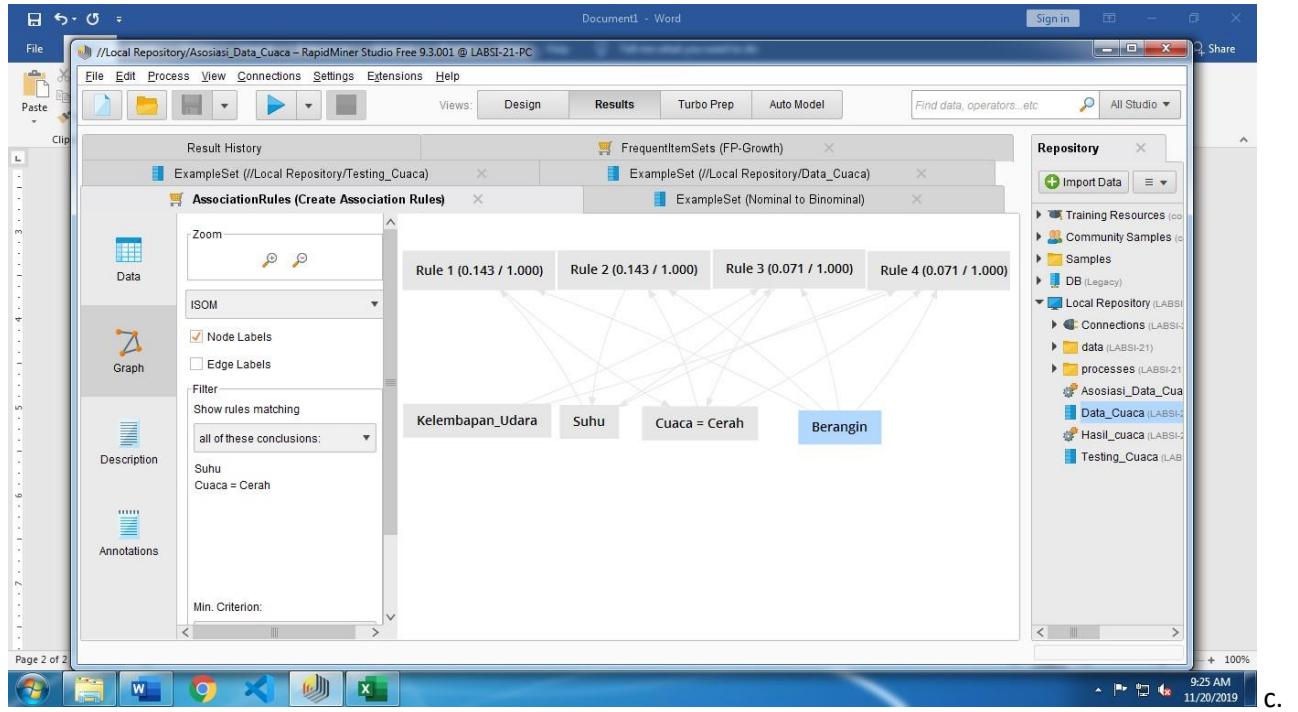
### i. Table View

The screenshot shows the RapidMiner Studio interface with the 'Results' tab selected. In the center, a table titled 'AssociationRules (Create Association Rules)' displays association rules. The table has columns: No., Premises, and Conclusion. The data shows four rules:

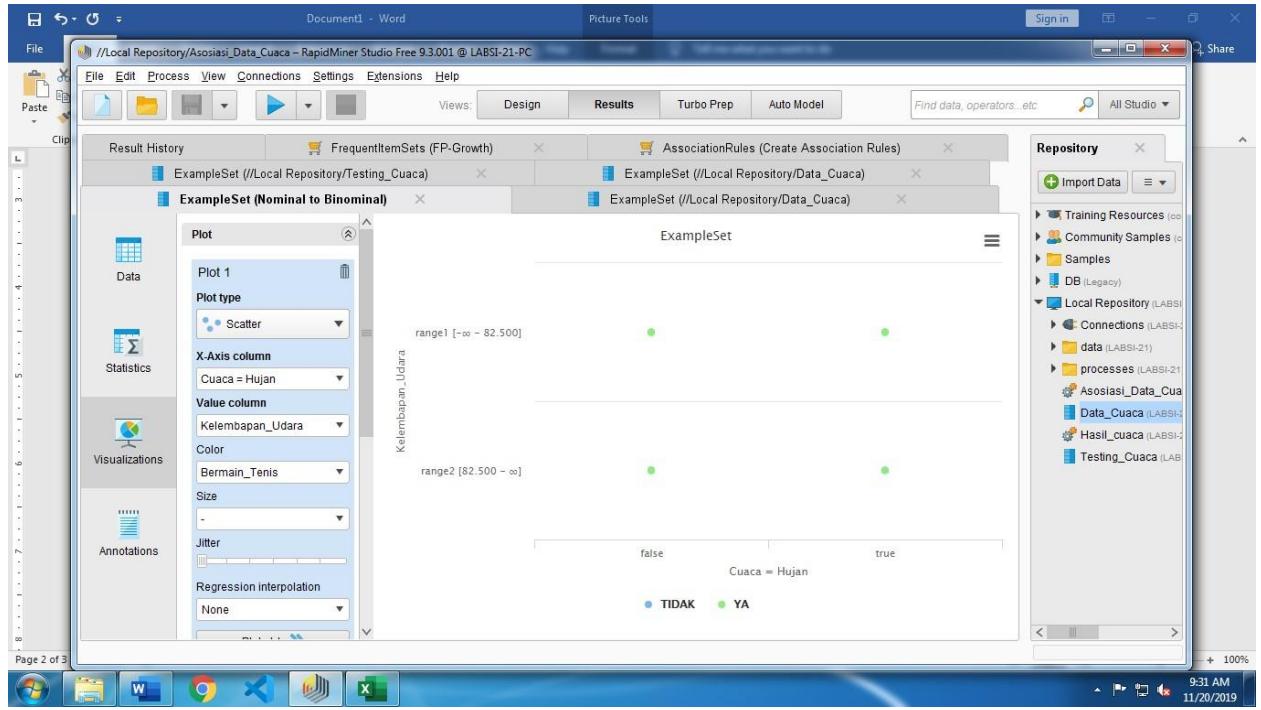
No.	Premises	Conclusion
1	Berangin, Suhu	Cuaca = Cerah
2	Berangin, Cuaca = Cerah	Suhu
3	Kelembapan_Udara, Berangin, Suhu	Cuaca = Cerah
4	Kelembapan_Udara, Berangin, Cuaca = Cerah	Suhu

The left sidebar shows tabs for Data, Graph, Description, and Annotations. The right side shows the 'Repository' pane.

### ii. Graph view

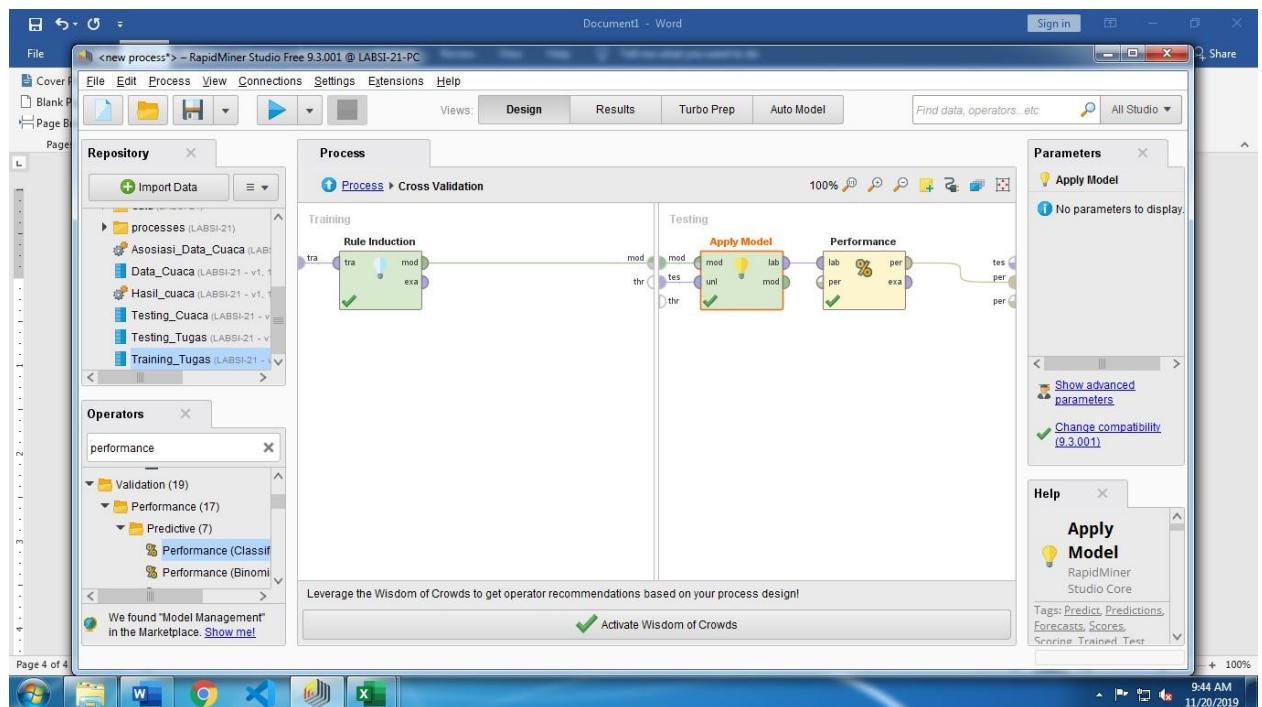
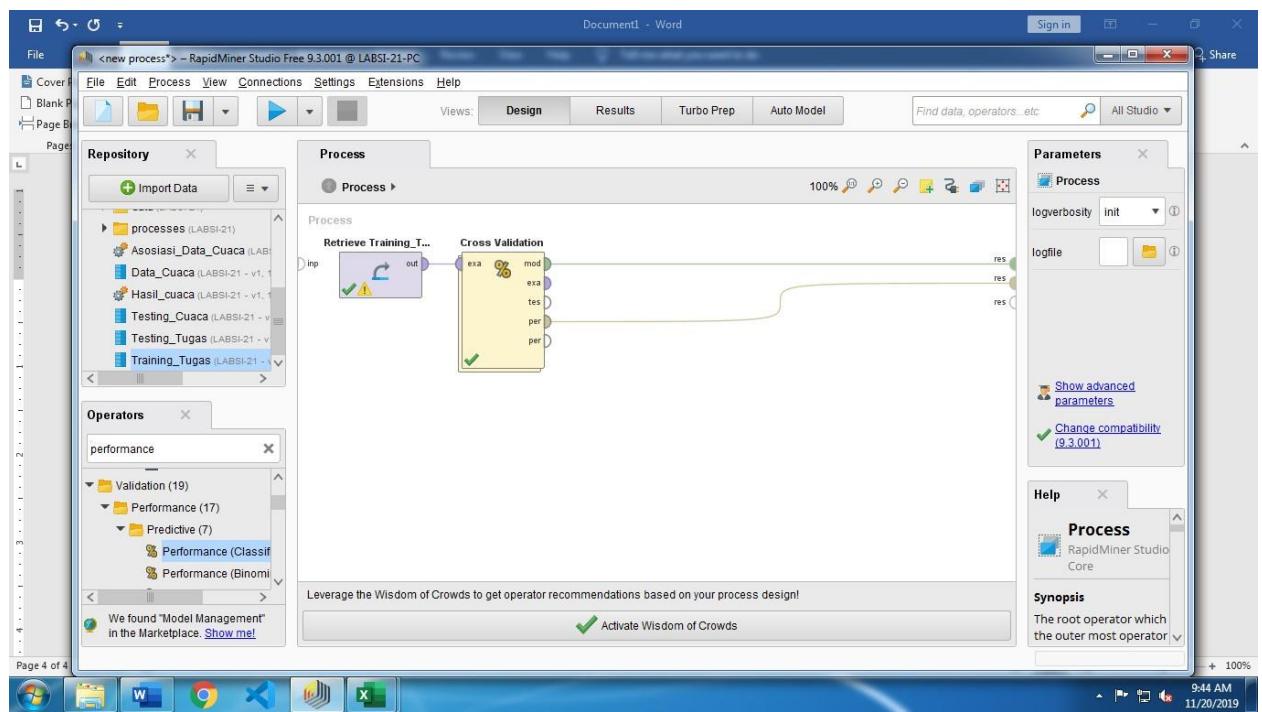


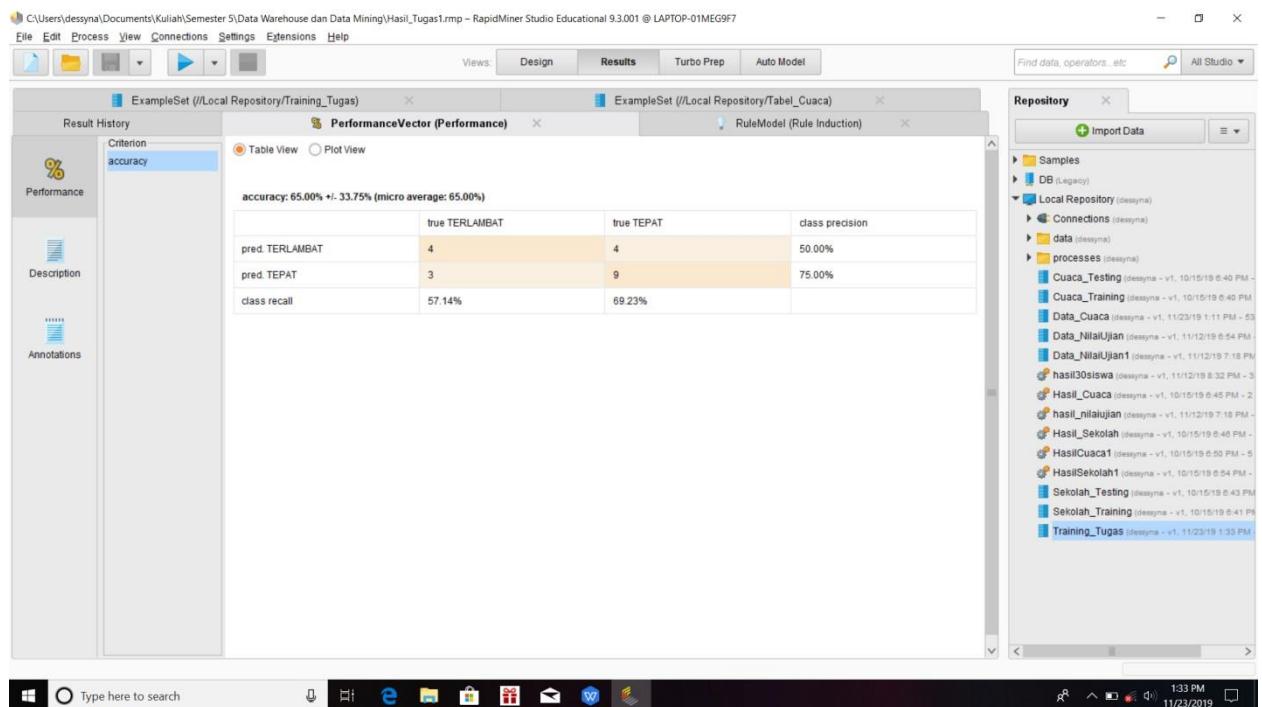
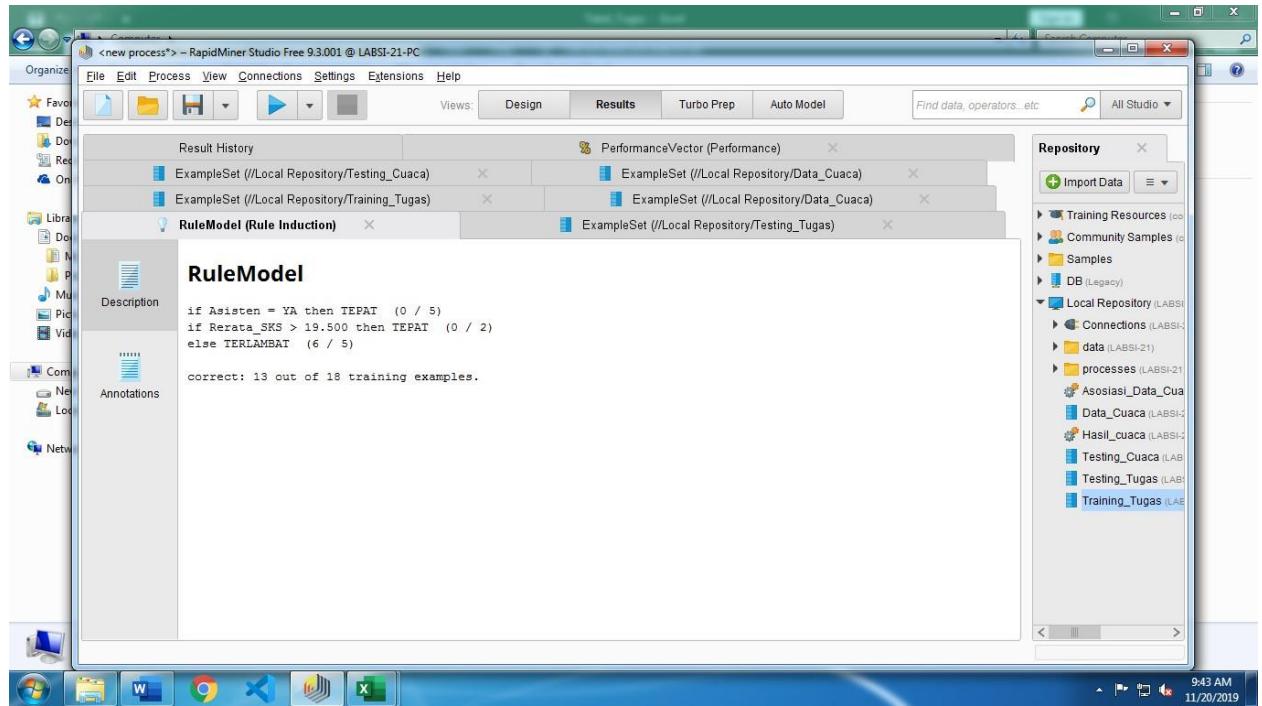
ExampleSet (Nominal2Binomial) --- Chart View



## TUGAS

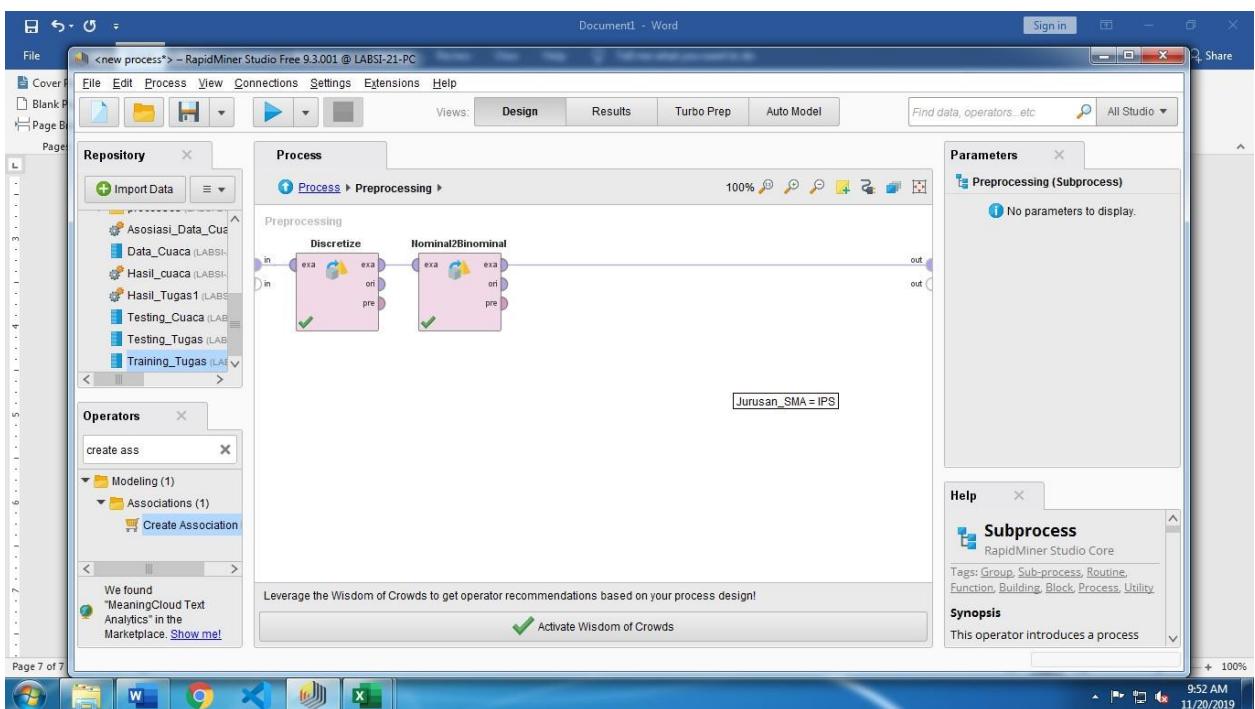
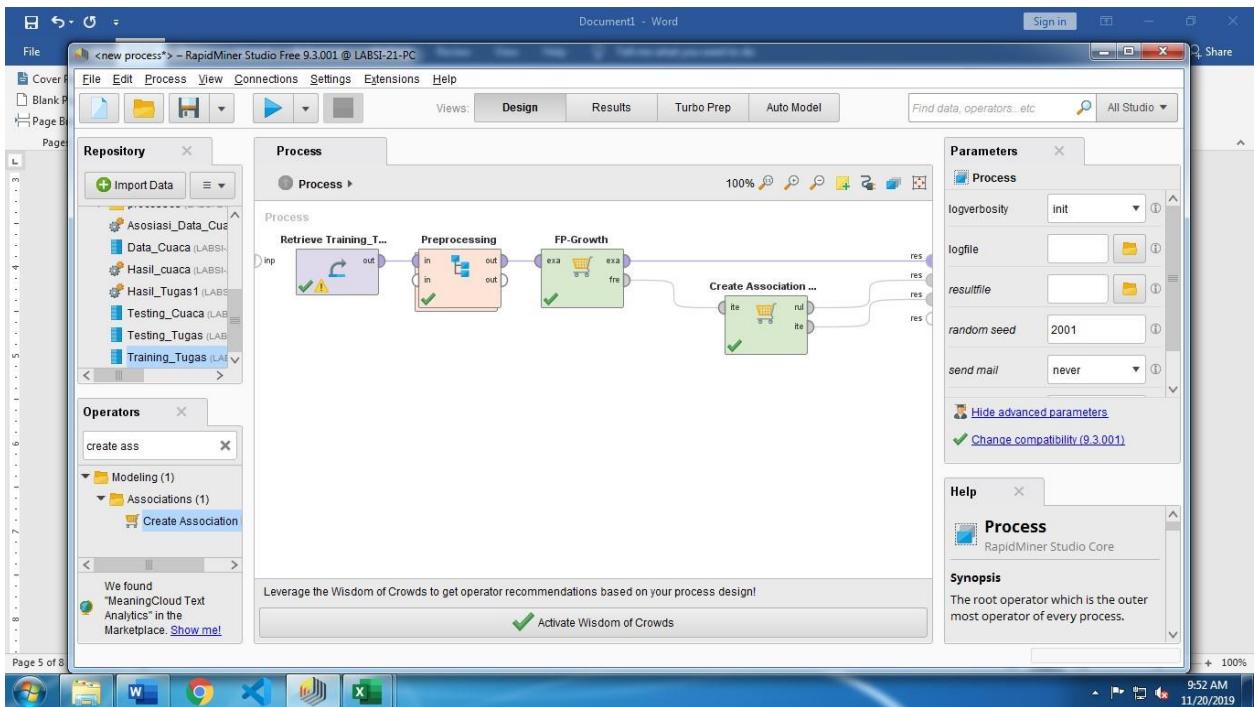
1. Dengan menggunakan data Lama studi (format Excel) pada tugas modul 6 no. 1 , carilah pola hubungan berdasarkan Induction Rule dan nilai performance vector





2. Masih dengan menggunakan data training yang sama , dengan ketentuan bahwa pada operator Discretize by Frequency memiliki nilai :

Number of bins = 2



a. Frequent Item Set (FP-Growth)

The screenshot shows the RapidMiner Studio Free interface with the 'FrequentItemSets (FP-Growth)' tab selected in the Results view. The results table displays frequent item sets of size 1. The columns are: No. of Sets: 55, Size, Support, Item 1, Item 2, Item 3, Item 4, and Item 5. The data rows are:

No. of Sets: 55	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
	1	0.750	Gender				
	1	0.500	Jurusan_SMA ...				
	1	0.300	Asal_Sekolah				
	1	0.300	Jurusan_SMA ...				
	1	0.250	Asisten				
	1	0.250	Rerata_SKS				
	1	0.200	Jurusan_SMA ...				
	2	0.350	Gender	Jurusan_SMA ...			
	2	0.250	Gender	Asal_Sekolah			
	2	0.250	Gender	Jurusan_SMA ...			
	2	0.200	Asisten				
	2	0.250	Gender	Rerata_SKS			

The screenshot shows the RapidMiner Studio Free interface with the 'FrequentItemSets (FP-Growth)' tab selected in the Results view. The results table displays frequent item sets of size 2. The columns are: No. of Sets: 55, Size, Support, Item 1, Item 2, Item 3, Item 4, and Item 5. The data rows are:

No. of Sets: 55	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
	2	0.150	Gender	Jurusan_SMA ...			
	2	0.150	Jurusan_SMA ...	Asal_Sekolah			
	2	0.200	Jurusan_SMA ...	Asisten			
	2	0.100	Jurusan_SMA ...	Rerata_SKS			
	2	0.100	Asal_Sekolah	Jurusan_SMA ...			
	2	0.150	Asal_Sekolah	Asisten			
	2	0.150	Asal_Sekolah	Rerata_SKS			
	2	0.050	Asal_Sekolah	Jurusan_SMA ...			
	2	0.100	Jurusan_SMA ...	Rerata_SKS			
	2	0.150	Asisten	Rerata_SKS			
	2	0.050	Asisten	Jurusan_SMA ...			
	2	0.050	Rerata_SKS	Jurusan_SMA ...			

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<new process\*> - RapidMiner Studio Free 9.3.001 @ LABSI-21-PC

File Edit Process View Connections Settings Extensions Help

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

Repository

Import Data

Training Resources (co) Community Samples (co) Samples DB (Legacy) Local Repository (LABSI) Connections (LABSI) data (LABSI-21) processes (LABSI-21) Asosiasi\_Data\_Cua Data\_Cuaca (LABSI-) Hasil\_cuaca (LABSI-) Hasil\_Tugas1 (LABS Testing\_Cuaca (LABS Testing\_Tugas (LABS Training\_Tugas (LABS

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data

No. of Sets: 55 Total Max Size: 5

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
3	0.100	Gender	Jurusan_SMA...	Asal_Sekolah		
3	0.150	Gender	Jurusan_SMA...	Asisten		
3	0.100	Gender	Jurusan_SMA...	Rerata_SKS		
3	0.100	Gender	Asal_Sekolah	Jurusan_SMA...		
3	0.150	Gender	Asal_Sekolah	Asisten		
3	0.050	Gender	Asal_Sekolah	Rerata_SKS		
3	0.100	Gender	Jurusan_SMA...	Rerata_SKS		
3	0.150	Gender	Asisten	Rerata_SKS		
3	0.050	Gender	Asisten	Jurusan_SMA...		
3	0.050	Gender	Rerata_SKS	Jurusan_SMA...		
3	0.100	Jurusan_SMA...	Asal_Sekolah	Asisten		

Annotations

Update View

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

Repository

Import Data

Training Resources (co) Community Samples (co) Samples DB (Legacy) Local Repository (LABSI) Connections (LABSI) data (LABSI-21) processes (LABSI-21) Asosiasi\_Data\_Cua Data\_Cuaca (LABSI-) Hasil\_cuaca (LABSI-) Hasil\_Tugas1 (LABS Testing\_Cuaca (LABS Testing\_Tugas (LABS Training\_Tugas (LABS

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data

No. of Sets: 55 Total Max Size: 5

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
3	0.050	Jurusan_SMA...	Asal_Sekolah	Rerata_SKS		
3	0.100	Jurusan_SMA...	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Jurusan_SMA...	Rerata_SKS		
3	0.100	Asal_Sekolah	Asisten	Rerata_SKS		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA...		
3	0.050	Asal_Sekolah	Rerata_SKS	Jurusan_SMA...		
3	0.050	Asisten	Rerata_SKS	Jurusan_SMA...		
4	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Rerata_SKS	
4	0.100	Gender	Jurusan_SMA...	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA...	Rerata_SKS	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS	

Annotations

Update View

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Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data Annotations

No. of Sets: 55 Total Max. Size: 5

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
4	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Rerata_SKS	
4	0.100	Gender	Jurusan_SMA...	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA...	Rerata_SKS	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS	
4	0.050	Gender	Asal_Sekolah	Asisten	Jurusan_SMA...	
4	0.050	Gender	Asal_Sekolah	Rerata_SKS	Jurusan_SMA...	
4	0.050	Gender	Asisten	Rerata_SKS	Jurusan_SMA...	
4	0.050	Jurusan_SMA...	Asal_Sekolah	Asisten	Rerata_SKS	
4	0.050	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA...	
5	0.050	Gender	Jurusan_SMA...	Asal_Sekolah	Asisten	Rerata_SKS
5	0.050	Gender	Asal_Sekolah	Asisten	Rerata_SKS	Jurusan_SMA...

Annotations

Repository

- Training Resources
- Community Samples
- Samples
- DB (Legacy)
- Local Repository (LABSI-21)
  - Connections
  - data (LABSI-21)
  - processes (LABSI-21)
    - Asosiasi\_Data\_Cua
    - Data\_Cuaca (LABSI-21)
    - Hasil\_cuaca (LABSI-21)
    - Hasil\_Tugas1 (LABSI-21)
    - Testing\_Cuaca (LABSI-21)
    - Testing\_Tugas (LABSI-21)
    - Training\_Tugas (LABSI-21)

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## Association Rules

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

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data Graph Description Annotations

Show rules matching all of these conclusions:

Gender  
Jurusan\_SMA = IPA  
Asal\_Sekolah  
Asisten  
Rerata\_SKS

Min. Criterion: confidence

Min. Criterion Value: 0.050

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962	-0.350
5	Rerata_SKS	Gender	0.250	1	1	-0.250
6	Jurusan_SMA = IPA, Rerata_SKS	Gender	0.100	1	1	-0.100
7	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1	-0.100
8	Asal_Sekolah, Rerata_SKS	Gender	0.150	1	1	-0.150
9	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
10	Jurusan_SMA = IPS, Rerata_SKS	Gender	0.100	1	1	-0.100
11	Asisten, Rerata_SKS	Gender	0.150	1	1	-0.150
12	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
13	Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
14	Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0.100
15	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
16	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data Graph Description Annotations

Show rules matching all of these conclusions:  
 Gender Jurusan\_SMA = IPA  
 Asal\_Sekolah Asisten Rerata\_SKS

Min. Criterion: confidence Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
17	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
18	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
19	Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
20	Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
21	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Gender	0.050	1	1	-0.050
22	Jurusan_SMA = IPA, Rerata_SKS	Gender, Asisten	0.100	1	1	-0.100
23	Gender, Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100	1	1	-0.100
24	Jurusan_SMA = IPA, Asisten, Rerata_SKS	Gender	0.100	1	1	-0.100
25	Asal_Sekolah, Jurusan_SMA = IPS, Rerata_SKS	Gender	0.050	1	1	-0.050
26	Gender, Asal_Sekolah, Asisten	Rerata_SKS	0.100	1	1	-0.100
27	Asal_Sekolah, Asisten, Rerata_SKS	Gender	0.100	1	1	-0.100
28	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
29	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
30	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data Graph Description Annotations

Show rules matching all of these conclusions:  
 Gender Jurusan\_SMA = IPA  
 Asal\_Sekolah Asisten Rerata\_SKS

Min. Criterion: confidence Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
31	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
32	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
33	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050
34	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
35	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050
36	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
37	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
38	Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050
39	Gender, Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
40	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
41	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
42	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
43	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Asisten	0.050	1	1	-0.050
44	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data Graph Description Annotations

Show rules matching all of these conclusions: ▾  
 Gender Jurusan\_SMA = IPA  
 Asal\_Sekolah  
 Asisten Rerata\_SKS

Min. Criterion: confidence ▾  
 Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
45	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
46	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Rerata_SKS	0.050	1	1	-0.050
47	Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah, Asisten	0.050	1	1	-0.050
48	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
49	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
50	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Asisten	Rerata_SKS	0.050	1	1	-0.050
51	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS	Gender, Asisten	0.050	1	1	-0.050
52	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Rerat...	Asisten	0.050	1	1	-0.050
53	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
54	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS	0.050	1	1	-0.050
55	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050
56	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
57	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
58	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Data Graph Description Annotations

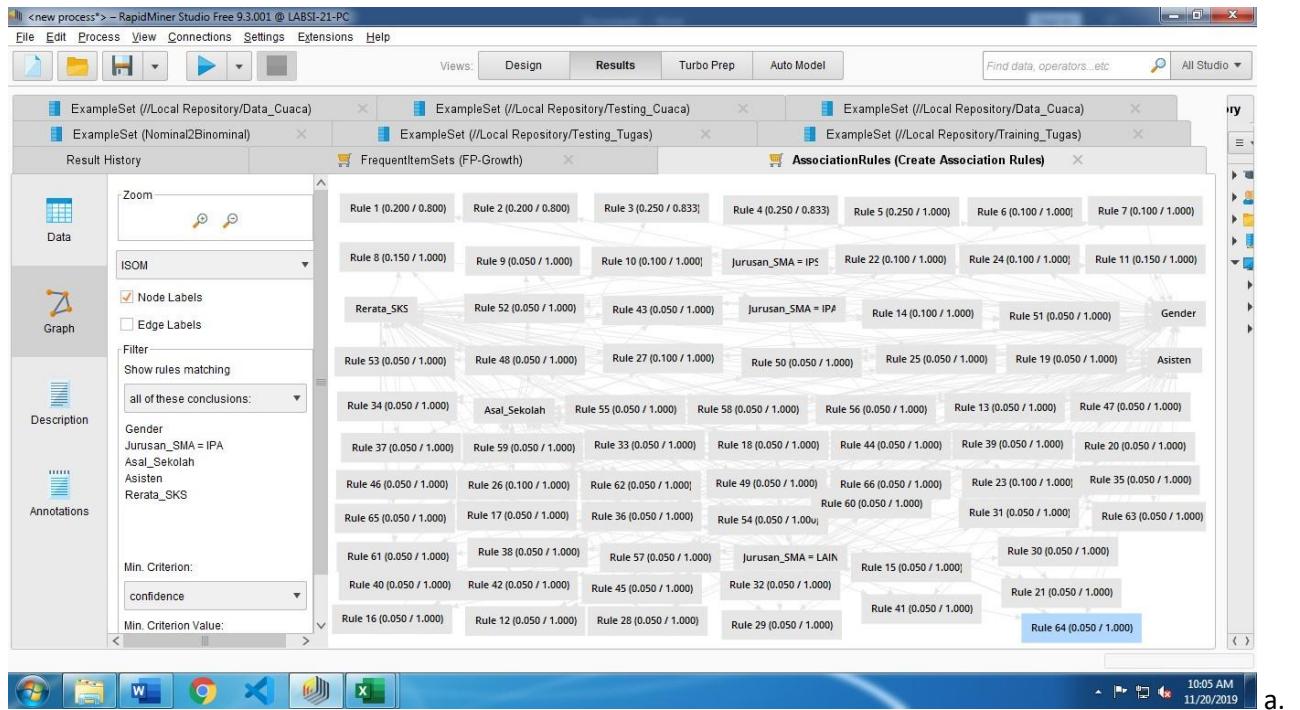
Show rules matching all of these conclusions: ▾  
 Gender Jurusan\_SMA = IPA  
 Asal\_Sekolah  
 Asisten Rerata\_SKS

Min. Criterion: confidence ▾  
 Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
53	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
54	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS	0.050	1	1	-0.050
55	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS	0.050	1	1	-0.050
56	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
57	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS	0.050	1	1	-0.050
58	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS	0.050	1	1	-0.050
59	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = L...	Rerata_SKS	0.050	1	1	-0.050
60	Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Asisten	0.050	1	1	-0.050
61	Gender, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah, Asisten	0.050	1	1	-0.050
62	Asal_Sekolah, Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
63	Gender, Asal_Sekolah, Rerata_SKS, Jurusan_SM...	Asisten	0.050	1	1	-0.050
64	Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050
65	Gender, Asisten, Rerata_SKS, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
66	Asal_Sekolah, Asisten, Rerata_SKS, Jurusan_SM...	Gender	0.050	1	1	-0.050

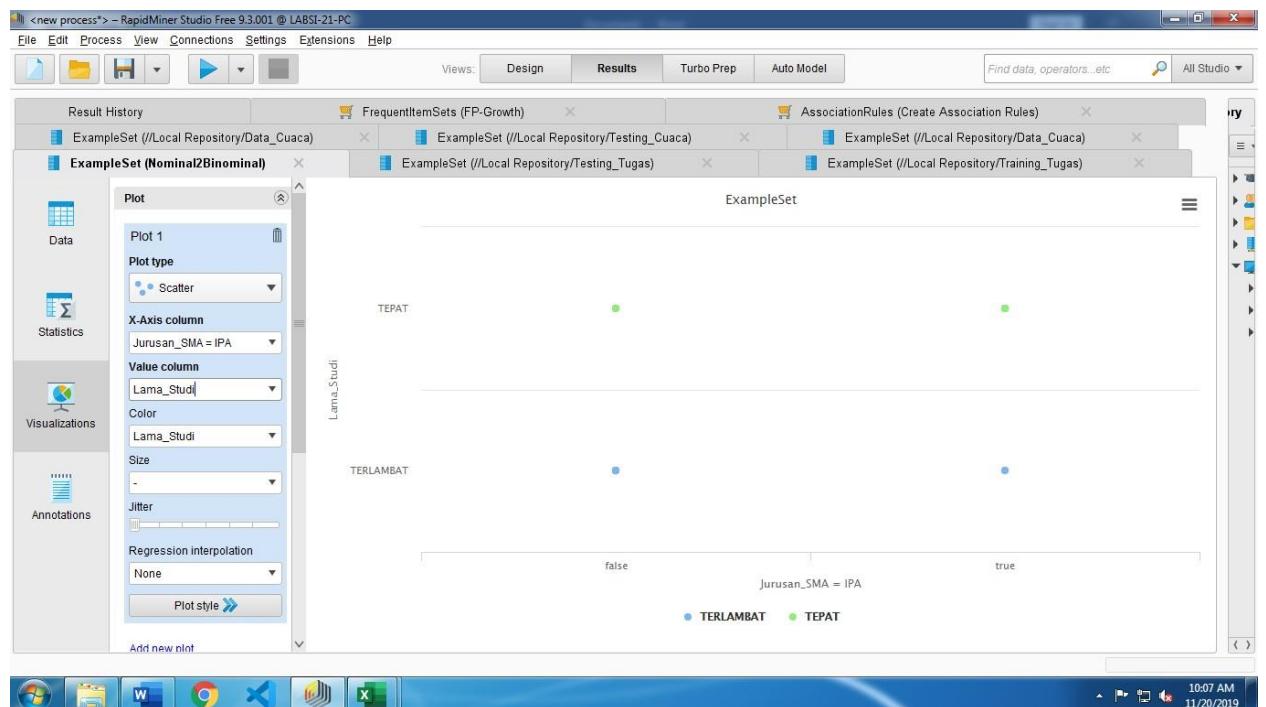
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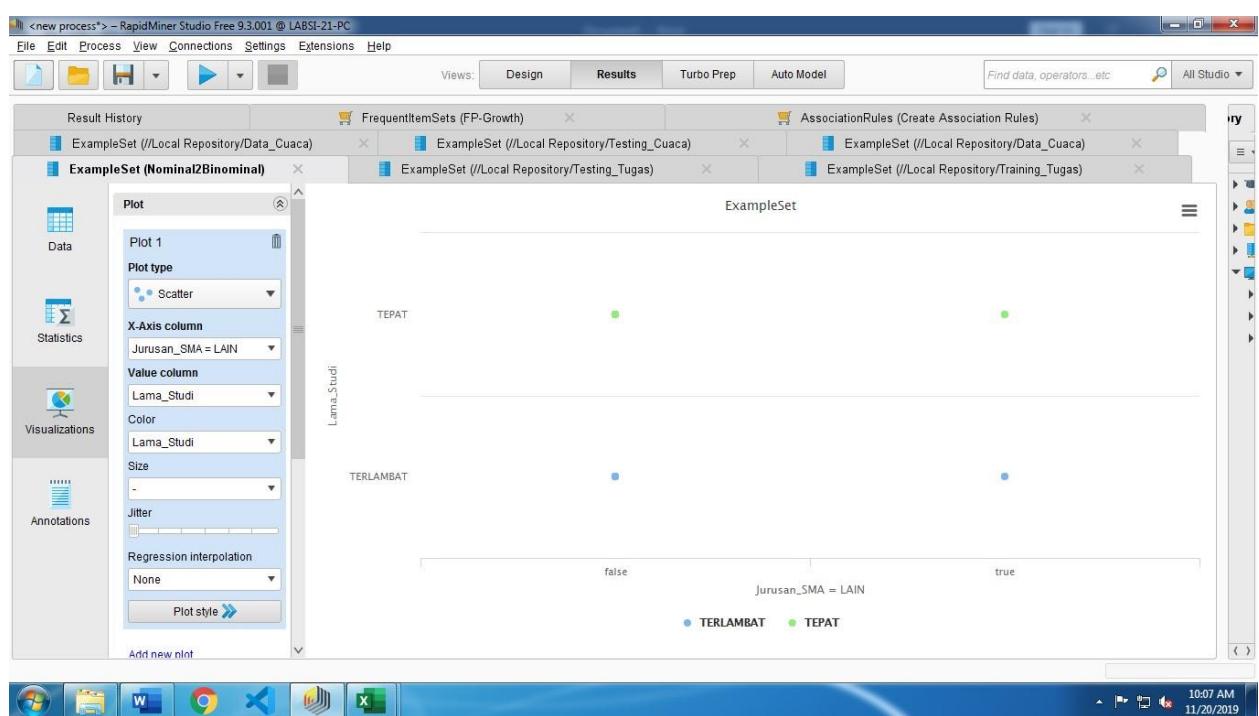
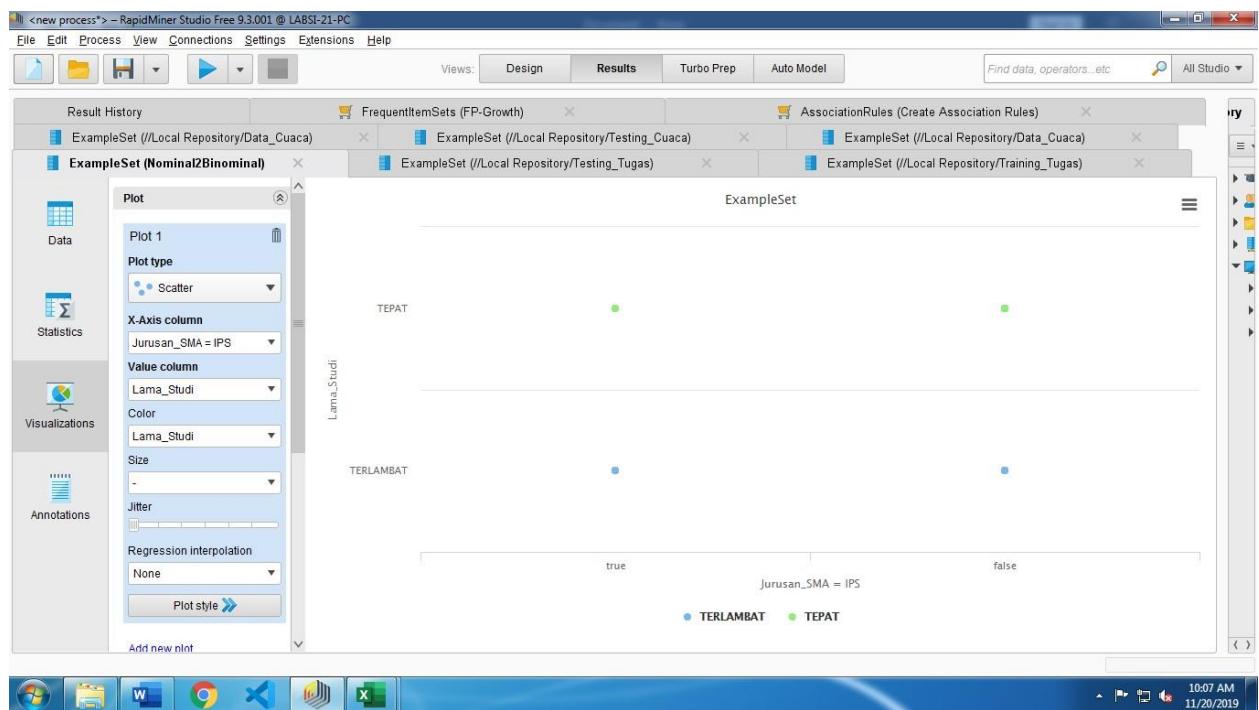
## Graph View



a.

## ExampleSet (Nominal to Binomial) --- Charts View





Number of bins = 3

a. Frequent Item Set (FP-Growth)

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			

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
2	0.200	Gender	Asisten			
2	0.250	Gender	Rerata_SKS = range3 ...			
2	0.150	Gender	Jurusan_SMA = LAIN			
2	0.200	Jurusan_SMA = IPA	Rerata_SKS = range1 ...			
2	0.200	Jurusan_SMA = IPA	Rerata_SKS = range2 ...			
2	0.150	Jurusan_SMA = IPA	Asal_Sekolah			
2	0.200	Jurusan_SMA = IPA	Asisten			
2	0.100	Jurusan_SMA = IPA	Rerata_SKS = range3 ...			
2	0.150	Rerata_SKS = range1 ...	Asal_Sekolah			
2	0.100	Rerata_SKS = range1 ...	Jurusan_SMA = IPS			
2	0.050	Rerata_SKS = range1 ...	Asisten			
2	0.100	Rerata_SKS = range1 ...	Jurusan_SMA = LAIN			
2	0.100	Rerata_SKS = range2 ...	Jurusan_SMA = IPS			
2	0.050	Rerata_SKS = range2 ...	Asisten			

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File Edit Process View Connections Settings Extensions Help

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

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

**Data**

No. of Sets: 85	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
Total Max. Size: 5	2	0.050	Rerata_SKS = range2 ...	Jurusan_SMA = LAIN			
Min. Size: 1	2	0.100	Asal_Sekolah	Jurusan_SMA = IPS			
Max. Size: 5	2	0.150	Asal_Sekolah	Asisten			
Contains Item:	2	0.150	Asal_Sekolah	Rerata_SKS = range3 ...			
	2	0.050	Asal_Sekolah	Jurusan_SMA = LAIN			
Update View	2	0.100	Jurusan_SMA = IPS	Rerata_SKS = range3 ...			
	2	0.150	Asisten	Rerata_SKS = range3 ...			
	2	0.050	Asisten	Jurusan_SMA = LAIN			
	2	0.050	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN			
	3	0.100	Gender	Jurusan_SMA = IPA	Rerata_SKS = range1 ...		
	3	0.150	Gender	Jurusan_SMA = IPA	Rerata_SKS = range2 ...		
	3	0.100	Gender	Jurusan_SMA = IPA	Asal_Sekolah		
	3	0.150	Gender	Jurusan_SMA = IPA	Asisten		
	3	0.100	Gender	Jurusan_SMA = IPA	Rerata_SKS = range3 ...		
	3	0.050	Gender	Rerata_SKS = range1 ...	Asal_Sekolah		

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

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

**Data**

No. of Sets: 85	Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
Total Max. Size: 5	3	0.050	Gender	Rerata_SKS = range1 ...	Jurusan_SMA = IPS		
Min. Size: 1	3	0.050	Gender	Rerata_SKS = range1 ...	Jurusan_SMA = LAIN		
Max. Size: 5	3	0.100	Gender	Rerata_SKS = range2 ...	Jurusan_SMA = IPS		
Contains Item:	3	0.050	Gender	Rerata_SKS = range2 ...	Asisten		
	3	0.050	Gender	Rerata_SKS = range2 ...	Jurusan_SMA = LAIN		
Update View	3	0.100	Gender	Asal_Sekolah	Jurusan_SMA = IPS		
	3	0.100	Gender	Asal_Sekolah	Asisten		
	3	0.150	Gender	Asal_Sekolah	Rerata_SKS = range3 ...		
	3	0.050	Gender	Asal_Sekolah	Jurusan_SMA = LAIN		
	3	0.100	Gender	Jurusan_SMA = IPS	Rerata_SKS = range3 ...		
	3	0.150	Gender	Asisten	Rerata_SKS = range3 ...		
	3	0.050	Gender	Asisten	Jurusan_SMA = LAIN		
	3	0.050	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN			
	3	0.100	Jurusan_SMA = IPA	Rerata_SKS = range1 ...	Asal_Sekolah		
	3	0.050	Iurusan_SMA = IPA	Rerata_SKS = range1 ...	Asisten		
	3	0.050	Iurusan_SMA = IPA	Rerata_SKS = range1 ...	Asisten		

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

**Data**

No. of Sets: 85 Total Max. Size: 5

Min. Size: 1 Max. Size: 5 Contains Item:

Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
3	0.050	Jurusan_SMA = IPA	Rerata_SKS = range2 ...	Asisten		
3	0.100	Jurusan_SMA = IPA	Asal_Sekolah	Asisten		
3	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS = range3 ...		
3	0.100	Jurusan_SMA = IPA	Asisten	Rerata_SKS = range3 ...		
3	0.050	Rerata_SKS = range1 ...	Asal_Sekolah	Jurusan_SMA = IPS		
3	0.050	Rerata_SKS = range1 ...	Asal_Sekolah	Asisten		
3	0.050	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS = range3 ...		
3	0.100	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...		
3	0.050	Asal_Sekolah	Asisten	Jurusan_SMA = LAIN		
3	0.050	Asal_Sekolah	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN		
3	0.050	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN		
4	0.050	Gender	Jurusan_SMA = IPA	Rerata_SKS = range1 ...	Asal_Sekolah	
4	0.050	Gender	Jurusan_SMA = IPA	Rerata_SKS = range2 ...	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS = range3 ...	

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

**Data**

No. of Sets: 85 Total Max. Size: 5

Min. Size: 1 Max. Size: 5 Contains Item:

Update View

Size	Support	Item 1	Item 2	Item 3	Item 4	Item 5
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	
4	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Rerata_SKS = range3 ...	
4	0.100	Gender	Jurusan_SMA = IPA	Asisten	Rerata_SKS = range3 ...	
4	0.050	Gender	Rerata_SKS = range1 ...	Asal_Sekolah	Jurusan_SMA = IPS	
4	0.050	Gender	Asal_Sekolah	Jurusan_SMA = IPS	Rerata_SKS = range3 ...	
4	0.100	Gender	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	
4	0.050	Gender	Asal_Sekolah	Asisten	Jurusan_SMA = LAIN	
4	0.050	Gender	Asal_Sekolah	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN	
4	0.050	Gender	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN	
4	0.050	Jurusan_SMA = IPA	Rerata_SKS = range1 ...	Asal_Sekolah	Asisten	
4	0.050	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	
4	0.050	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN	
5	0.050	Gender	Jurusan_SMA = IPA	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...
5	0.050	Gender	Asal_Sekolah	Asisten	Rerata_SKS = range3 ...	Jurusan_SMA = LAIN



## b. Association Rules

### Table View

**File Edit Process View Connections Settings Extensions Help**

**Views:** Design Results Turbo Prep Auto Model

**Find data, operators...etc.** All Studio

**Data** **Graph** **Description** **Annotations**

**Show rules matching**: all of these conclusions: Gender, Jurusan\_SMA = IPA, Asal\_Sekolah, Asisten, Rerata\_SKS = range3 [19.500 - <math>\infty</math>]

**Min. Criterion:** confidence **Min. Criterion Value:** 0.05

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
3	Asal_Sekolah	Gender	0.250	0.833	0.962	-0.350
4	Jurusan_SMA = IPS	Gender	0.250	0.833	0.962	-0.350
5	Rerata_SKS = range2 [18.500 - 19.500]	Gender	0.300	0.857	0.963	-0.400
6	Rerata_SKS = range3 [19.500 - <math>\infty</math>]	Gender	0.250	1	1	-0.250
7	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500 - <math>\infty</math>]	Gender	0.100	1	1	-0.100
8	Rerata_SKS = range2 [18.500 - 19.500], Jurusan_...	Gender	0.100	1	1	-0.100
9	Rerata_SKS = range2 [18.500 - 19.500], Asisten	Gender	0.050	1	1	-0.050
10	Rerata_SKS = range2 [18.500 - 19.500], Jurusan_...	Gender	0.050	1	1	-0.050
11	Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100	1	1	-0.100
12	Asal_Sekolah, Rerata_SKS = range3 [19.500 - <math>\infty</math>]	Gender	0.150	1	1	-0.150
13	Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050
14	Jurusan_SMA = IPS, Rerata_SKS = range3 [19.500 - <math>\infty</math>]	Gender	0.100	1	1	-0.100
15	Asisten, Rerata_SKS = range3 [19.500 - <math>\infty</math>]	Gender	0.150	1	1	-0.150
16	Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050

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**Views:** Design Results Turbo Prep Auto Model

**Find data, operators...etc.** All Studio

**Data** **Graph** **Description** **Annotations**

**Show rules matching**: all of these conclusions: Gender, Jurusan\_SMA = IPA, Asal\_Sekolah, Asisten, Rerata\_SKS = range3 [19.500 - <math>\infty</math>]

**Min. Criterion:** confidence **Min. Criterion Value:** 0.05

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
17	Rerata_SKS = range3 [19.500 - <math>\infty</math>], Jurusan_SMA ...	Gender	0.050	1	1	-0.050
18	Rerata_SKS = range1 [-<math>\infty</math> - 18.500], Asisten	Jurusan_SMA = IPA	0.050	1	1	-0.050
19	Rerata_SKS = range2 [18.500 - 19.500], Asisten	Jurusan_SMA = IPA	0.050	1	1	-0.050
20	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500 - <math>\infty</math>]	Asisten	0.100	1	1	-0.100
21	Rerata_SKS = range1 [-<math>\infty</math> - 18.500], Asisten	Asal_Sekolah	0.050	1	1	-0.050
22	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
23	Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
24	Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - <math>\infty</math>]	0.050	1	1	-0.050
25	Rerata_SKS = range3 [19.500 - <math>\infty</math>], Jurusan_SMA ...	Asal_Sekolah	0.050	1	1	-0.050
26	Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - <math>\infty</math>]	0.050	1	1	-0.050
27	Rerata_SKS = range3 [19.500 - <math>\infty</math>], Jurusan_SMA ...	Asisten	0.050	1	1	-0.050
28	Rerata_SKS = range2 [18.500 - 19.500], Asisten	Gender, Jurusan_SMA = IPA	0.050	1	1	-0.050
29	Gender, Rerata_SKS = range2 [18.500 - 19.500], A...	Jurusan_SMA = IPA	0.050	1	1	-0.050
30	Jurusan_SMA = IPA, Rerata_SKS = range2 [18.500 - <math>\infty</math>]	Gender	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet ((Local Repository/Data\_Cuaca)) ExampleSet ((Local Repository/Testing\_Cuaca)) ExampleSet ((Local Repository/Data\_Cuaca))  
 ExampleSet (Nominal2Binomial) ExampleSet ((Local Repository/Testing\_Tugas)) ExampleSet ((Local Repository/Training\_Tugas))

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Show rules matching all of these conclusions: ▾

Data Graph Description Annotations

Min. Criterion: confidence ▾ Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
31	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS =...	Gender	0.050	1	1	-0.050
32	Jurusan_SMA = IPA, Rerata_SKS = range3 [19.500...	Gender, Asisten	0.100	1	1	-0.100
33	Gender, Jurusan_SMA = IPA, Rerata_SKS = range...	Asisten	0.100	1	1	-0.100
34	Jurusan_SMA = IPA, Asisten, Rerata_SKS = range...	Gender	0.100	1	1	-0.100
35	Gender, Rerata_SKS = range1 [-∞ - 18.500], Juru...	Asal_Sekolah	0.050	1	1	-0.050
36	Rerata_SKS = range1 [-∞ - 18.500], Asal_Sekolah...	Gender	0.050	1	1	-0.050
37	Asal_Sekolah, Jurusan_SMA = IPS, Rerata_SKS =...	Gender	0.050	1	1	-0.050
38	Gender, Asal_Sekolah, Asisten	Rerata_SKS = range3 [19.500 - ∞]	0.100	1	1	-0.100
39	Asal_Sekolah, Asisten, Rerata_SKS = range3 [19...	Gender	0.100	1	1	-0.100
40	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten	0.050	1	1	-0.050
41	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050	1	1	-0.050
42	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah	0.050	1	1	-0.050
43	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah	0.050	1	1	-0.050
44	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender	0.050	1	1	-0.050

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**RapidMiner Studio Free 9.3.001 @ LABSI-21-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/Data\_Cuaca)) ExampleSet ((Local Repository/Testing\_Cuaca)) ExampleSet ((Local Repository/Data\_Cuaca))  
 ExampleSet (Nominal2Binomial) ExampleSet ((Local Repository/Testing\_Tugas)) ExampleSet ((Local Repository/Training\_Tugas))

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Show rules matching all of these conclusions: ▾

Data Graph Description Annotations

Min. Criterion: confidence ▾ Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
45	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
46	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
47	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender, Asal_Sekolah	0.050	1	1	-0.050
48	Gender, Rerata_SKS = range3 [19.500 - ∞], Juru...	Asal_Sekolah	0.050	1	1	-0.050
49	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞],...	Gender	0.050	1	1	-0.050
50	Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
51	Gender, Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
52	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender, Asisten	0.050	1	1	-0.050
53	Gender, Rerata_SKS = range3 [19.500 - ∞], Juru...	Asisten	0.050	1	1	-0.050
54	Asisten, Rerata_SKS = range3 [19.500 - ∞], Juru...	Gender	0.050	1	1	-0.050
55	Rerata_SKS = range1 [-∞ - 18.500], Asisten	Jurusan_SMA = IPA, Asal_Sekolah	0.050	1	1	-0.050
56	Jurusan_SMA = IPA, Rerata_SKS = range1 [-∞ - 1...	Asal_Sekolah	0.050	1	1	-0.050
57	Rerata_SKS = range1 [-∞ - 18.500], Asal_Sekolah...	Jurusan_SMA = IPA	0.050	1	1	-0.050
58	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS =...	Asisten	0.050	1	1	-0.050

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File Edit Process View Connections Settings Extensions Help

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Show rules matching all of these conclusions: ▾

Data Graph Description Annotations

Min. Criterion: confidence ▾ Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
59	Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
60	Asisten, Jurusan_SMA = IPA	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
61	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
62	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Asal_Sekolah, Asisten	0.050	1	1	-0.050
63	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞], ...	Asisten	0.050	1	1	-0.050
64	Asisten, Rerata_SKS = range3 [19.500 - ∞], Jurus...	Asal_Sekolah	0.050	1	1	-0.050
65	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Asisten	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
66	Jurusan_SMA = IPA, Asal_Sekolah, Rerata_SKS =...	Gender, Asisten	0.050	1	1	-0.050
67	Gender, Jurusan_SMA = IPA, Asal_Sekolah, Rerat...	Asisten	0.050	1	1	-0.050
68	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
69	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
70	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
71	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS = range3 [19...	0.050	1	1	-0.050
72	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050

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

ExampleSet (/Local Repository/Data\_Cuaca) ExampleSet (/Local Repository/Testing\_Cuaca) ExampleSet (/Local Repository/Data\_Cuaca)  
 ExampleSet (Nominal2Binomial) ExampleSet (/Local Repository/Testing\_Tugas) ExampleSet (/Local Repository/Training\_Tugas)

Result History FrequentItemSets (FP-Growth) AssociationRules (Create Association Rules)

Show rules matching all of these conclusions: ▾

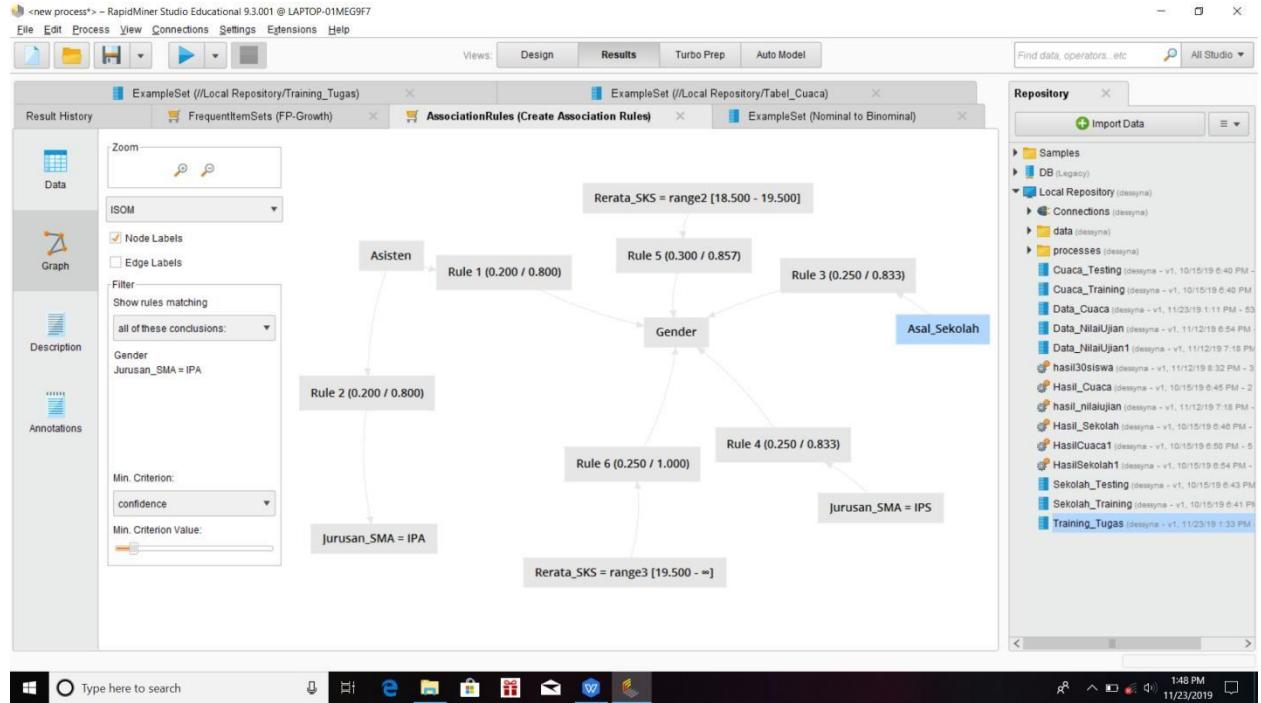
Data Graph Description Annotations

Min. Criterion: confidence ▾ Min. Criterion Value:

No.	Premises	Conclusion	Support	Confidence	LaPlace	Gain
68	Jurusan_SMA = IPA, Asal_Sekolah, Asisten, Rerat...	Gender	0.050	1	1	-0.050
69	Asal_Sekolah, Jurusan_SMA = LAIN	Gender, Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
70	Gender, Asal_Sekolah, Jurusan_SMA = LAIN	Asisten, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
71	Asisten, Jurusan_SMA = LAIN	Gender, Asal_Sekolah, Rerata_SKS = range3 [19...	0.050	1	1	-0.050
72	Gender, Asisten, Jurusan_SMA = LAIN	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
73	Asal_Sekolah, Asisten, Jurusan_SMA = LAIN	Gender, Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
74	Gender, Asal_Sekolah, Asisten, Jurusan_SMA = L...	Rerata_SKS = range3 [19.500 - ∞]	0.050	1	1	-0.050
75	Rerata_SKS = range3 [19.500 - ∞], Jurusan_SMA ...	Gender, Asal_Sekolah, Asisten	0.050	1	1	-0.050
76	Gender, Rerata_SKS = range3 [19.500 - ∞], Jurus...	Asal_Sekolah, Asisten	0.050	1	1	-0.050
77	Asal_Sekolah, Rerata_SKS = range3 [19.500 - ∞], ...	Gender, Asisten	0.050	1	1	-0.050
78	Gender, Asal_Sekolah, Rerata_SKS = range3 [19...	Asisten	0.050	1	1	-0.050
79	Asisten, Rerata_SKS = range3 [19.500 - ∞], Jurus...	Gender, Asal_Sekolah	0.050	1	1	-0.050
80	Gender, Asisten, Rerata_SKS = range3 [19.500 - ...	Asal_Sekolah	0.050	1	1	-0.050
81	Asal_Sekolah, Asisten, Rerata_SKS = range3 [19...	Gender	0.050	1	1	-0.050

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## Graph View



## C. ExampleSet (Nominal 2 Binomial) -- Charts View

