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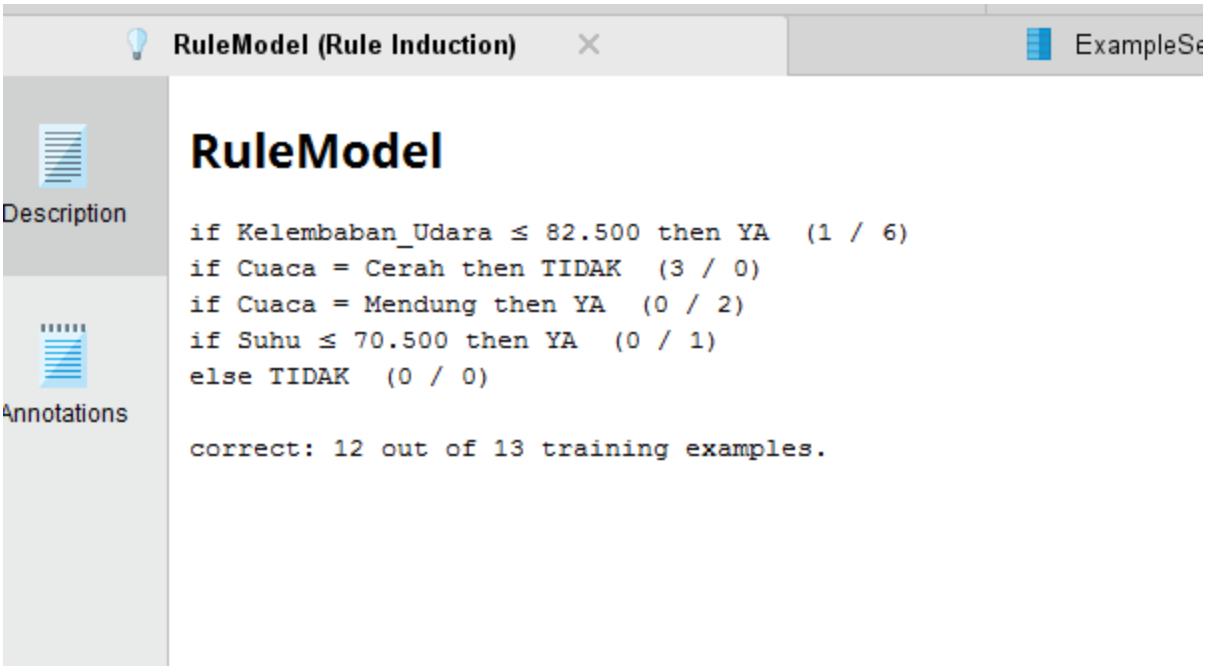
Modul 11

Menggunakan Model proses Pohon Keputusan pada Modul 9.4.2, sehingga diperoleh induksi dari *Data Traning* disebut **RuleModel**



Hasil dari **Perfomance Vector**

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%	

Hasil dari **aturan Asosiasi** :

a) Frequent Item Set

No. of Sets: 26
Total Max. Size: 4

Min. Size: 1
Max. Size: 4
Contains Item:
Update View

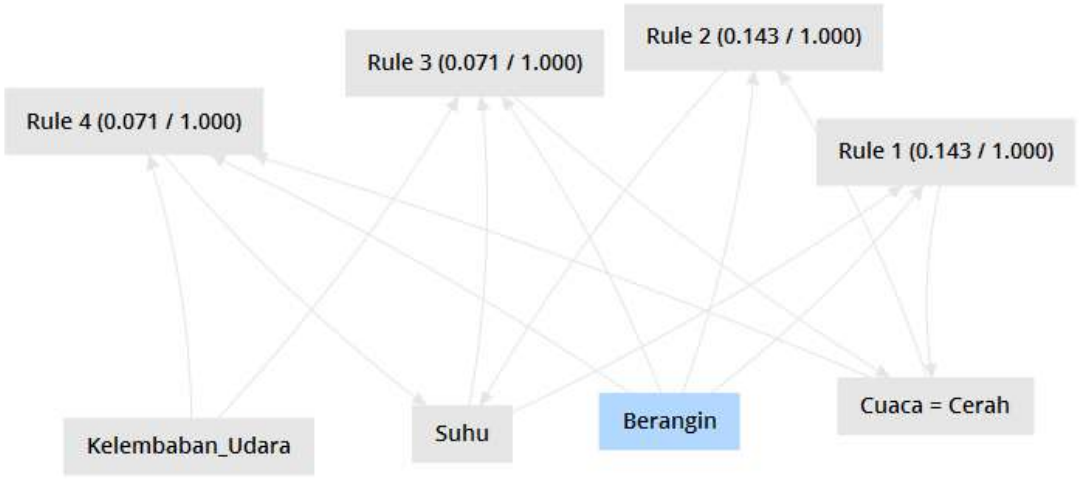
Size	Support	Item 1	Item 2	Item 3	Item 4
1	0.500	Kelembaban_Udara			
1	0.429	Berangin			
1	0.429	Suhu			
1	0.357	Cuaca = Cerah			
1	0.357	Cuaca = Hujan			
1	0.286	Cuaca = Mendung			
2	0.214	Kelembaban_Udara	Berangin		
2	0.214	Kelembaban_Udara	Suhu		
2	0.214	Kelembaban_Udara	Cuaca = Cerah		
2	0.143	Kelembaban_Udara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

b) Association Rules

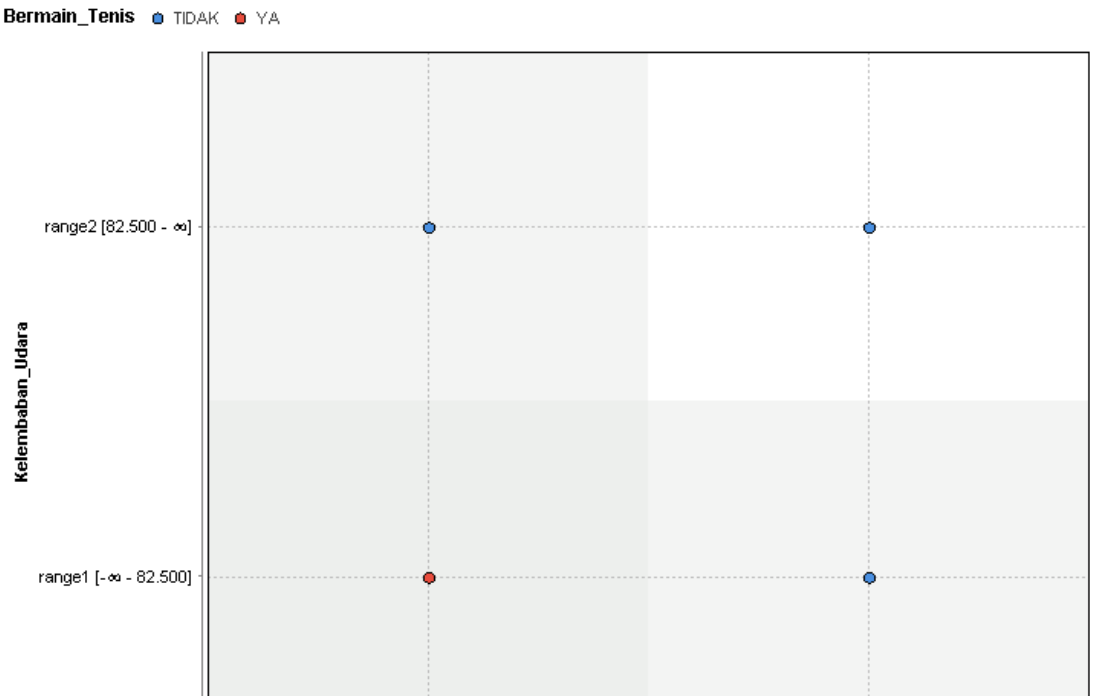
i. Tabel View

No.	Premises	Conclusion	Support
1	Berangin, Suhu	Cuaca = Cerah	0.143
2	Berangin, Cuaca = Cerah	Suhu	0.143
3	Kelembaban_Udara, Berangin, Suhu	Cuaca = Cerah	0.071
4	Kelembaban_Udara, Berangin, Cuaca = Cerah	Suhu	0.071

ii. Graph View



c) ExampletSet(Nominal2Binomial)



TUGAS

1. Pola Hubungan berdasarkan *Rule Model* dan *Perfomance Vector*

RuleModel

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

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

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%	

2. Gunakan Data Traning Lama Studi
   a) FP-Growth

No. of Sets: 55
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
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	Gender	Asisten			
2	0.250	Gender	Rerata_SKS			
2	0.150	Gender	Jurusan_SMA = ...			

b) Association Rules

Premises	Conclusion	Support
Asal_Sekolah	Gender	0.250
Jurusan_SMA = IPS	Gender	0.250
Rerata_SKS	Gender	0.250
Jurusan_SMA = IPA, Rerata_SKS	Gender	0.100
Asal_Sekolah, Jurusan_SMA = IPS	Gender	0.100
Asal_Sekolah, Rerata_SKS	Gender	0.150
Asal_Sekolah, Jurusan_SMA = LAIN	Gender	0.050
Jurusan_SMA = IPS, Rerata_SKS	Gender	0.100
Asisten, Rerata_SKS	Gender	0.150
Asisten, Jurusan_SMA = LAIN	Gender	0.050
Rerata_SKS, Jurusan_SMA = LAIN	Gender	0.050
Jurusan_SMA = IPA, Rerata_SKS	Asisten	0.100
Asal_Sekolah, Jurusan_SMA = LAIN	Asisten	0.050

c) Grafik Chart