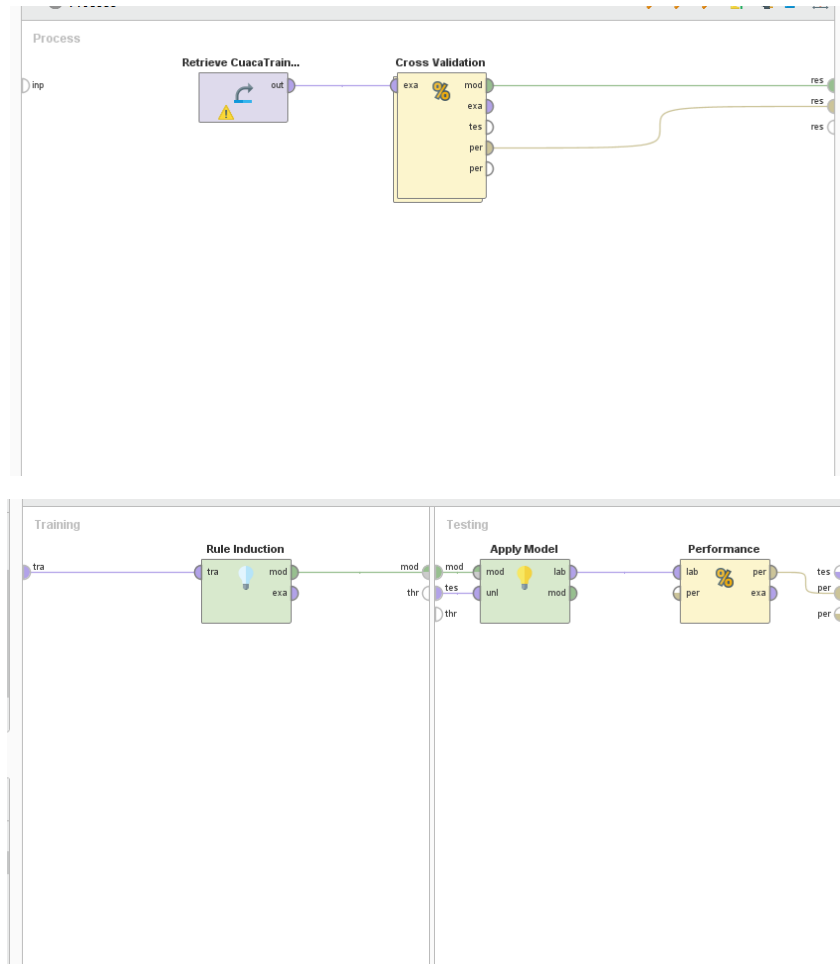


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MODUL 11 KEGIATAN

1. Induksi Aturan Cuaca



RuleModel

```

if Kelembaban_udara ≤ 82.500 then YA (1 / 6)
if Cuaca = Cerah then TIDAK (3 / 0)
if Cuaca = Mendung then YA (0 / 2)
if Suhu ≤ 70.500 then YA (0 / 1)
else TIDAK (0 / 0)

```

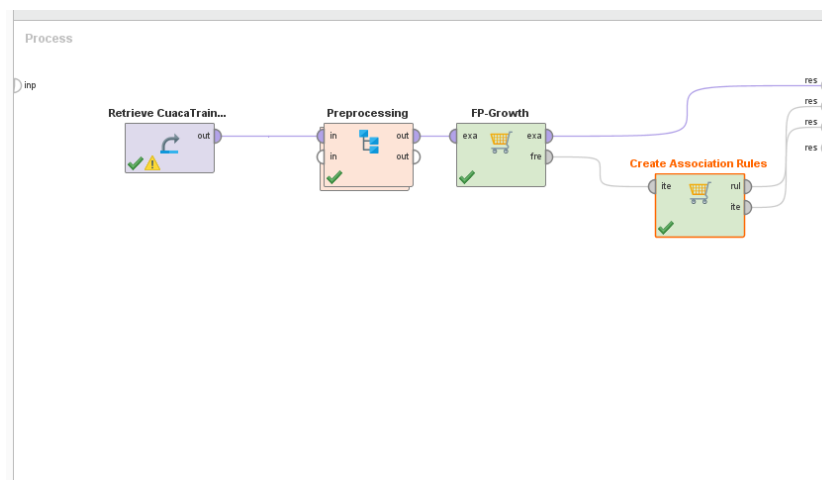
```
correct: 12 out of 13 training examples.
```

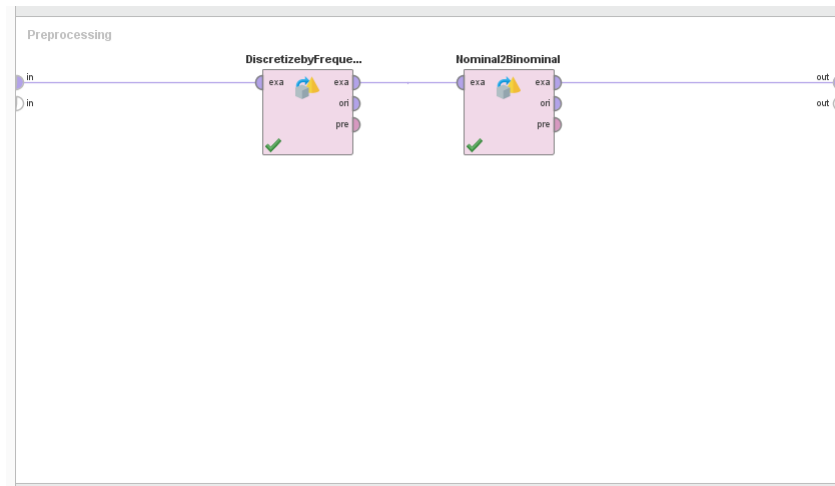
☒ Table View
 ☐ Plot View

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%	

2. Aturan Asosiasi Data Cuaca





a) Frequent Item Set

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc All Studio

AssociationRules (Create Association Rules) ExampleSet (Nominal2Binominal)

Result History

FrequentItemSets (FP-Growth)

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		
2	0.143	Berangin	Cuaca = Mendung		

Repository

Import Data

- Training Resources (connected)
 - Samples
 - Community Samples (connected)
 - DB
 - Local Repository (LABSI-08)
 - Connections (LABSI-08)
 - data (LABSI-08)
 - processes (LABSI-08)
 - CuacaTesting (LABSI-08 - v1, 11/20/19 7:4)
 - CuacaTraining (LABSI-08 - v1, 11/20/19 7:4)
 - Cloud Repository (disconnected)

Views: Design Results Turbo Prep Auto Model

Find data, operators...etc. All Studio

AssociationRules (Create Association Rules) ExampleSet (Nominal2Binominal)

Result History

FrequencyItemSets (FP-Growth)

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
2	0.143	Berangin	Suhu		
2	0.143	Berangin	Cuaca = Cerah		
2	0.143	Berangin	Cuaca = Hujan		
2	0.143	Berangin	Cuaca = Mendung		
2	0.214	Suhu	Cuaca = Cerah		
2	0.071	Suhu	Cuaca = Hujan		
2	0.143	Suhu	Cuaca = Mendung		
3	0.071	Kelembaban_udara	Berangin	Suhu	
3	0.071	Kelembaban_udara	Berangin	Cuaca = Cerah	
3	0.071	Kelembaban_udara	Berangin	Cuaca = Hujan	
3	0.071	Kelembaban_udara	Berangin	Cuaca = Mendung	
3	0.143	Kelembaban_udara	Suhu	Cuaca = Cerah	
3	0.071	Kelembaban_udara	Suhu	Cuaca = Mendung	
3	0.143	Berangin	Suhu	Cuaca = Cerah	
4	0.071	Kelembaban_udara	Berangin	Suhu	Cuaca = Cerah

Repository

Import Data

Training Resources (connected)

Samples

Community Samples (connected)

DB

Local Repository (LABSI-08)

Connections (LABSI-08)

data (LABSI-08)

processes (LABSI-08)

CuacaTesting (LABSI-08 - v1, 11/20/19 7:4)

CuacaTraining (LABSI-08 - v1, 11/20/19 7:4)

Cloud Repository (disconnected)

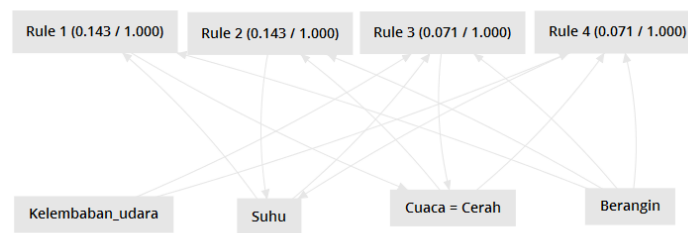
b) Association Rules

i. Table 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

	Support	Confidence	LaPlace	Gain	p-s	Lift	Convicti...
	0.143	1	1	-0.143	0.092	2.800	∞
	0.143	1	1	-0.143	0.082	2.333	∞
	0.071	1	1	-0.071	0.046	2.800	∞
	0.071	1	1	-0.071	0.041	2.333	∞

ii. Graph View



c) Example set

