KUIS 1 PERTEMUAN 7 DATA MINING

Nama   : Sie Deta Dirganjaya

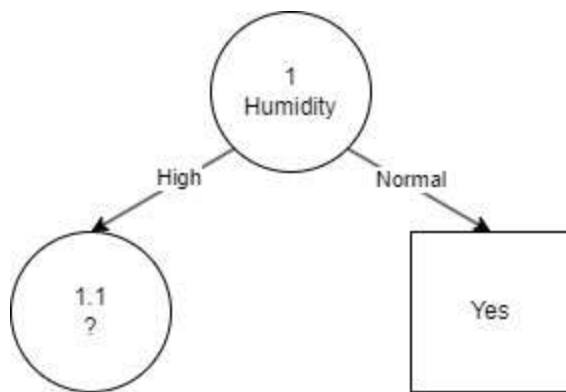NIM   : A11.2022.13960

Kelompok   : A11.43UG1

Kasus keputusan bermain tenis

Perhitungan Node 1

OUTLOOK	TEMPERATURE	HUMIDITY	WINDY	PLAY
Sunny	Hot	High	No	Don't Play
Sunny	Hot	High	Yes	Don't Play
Cloudy	Hot	High	No	Play
Rainy	Mild	High	No	Play
Rainy	Cool	Normal	No	Play
Rainy	Cool	Normal	Yes	Play
Cloudy	Cool	Normal	Yes	Play
Sunny	Mild	High	No	Don't Play
Sunny	Cool	Normal	No	Play
Rainy	Mild	Normal	No	Play
Sunny	Mild	Normal	Yes	Play
Cloudy	Mild	High	Yes	Play
Cloudy	Hot	Normal	No	Play
Rainy	Mild	High	Yes	Don't Play

		jml kasus (S)	Tidak (S1)	Ya(S2)	Entropy	Gain
total		14	4	10	0.86312	
outlook						0.258521
	cloudy	4	0	4	0	
	rainy	5	1	4	0.72193	
	sunny	5	3	2	0.97095	
temp						0.1838509
	col	4	0	4	0	
	hot	4	2	2	1	
	mild	6	2	4	0.9183	
humidity						0.3705065
	high	7	4	3	0.98523	
	normal	7	0	7	0	
windy						0.0059777
	FALSE	8	2	6	0.81128	
	TRUE	6	4	2	0.9183	

Perhitungan Node 1.1

OUTLOOK	TEMPERATURE	HUMIDITY	WINDY	PLAY
Sunny	Hot	High	No	Don't Play
Sunny	Hot	High	Yes	Don't Play
Cloudy	Hot	High	No	Play
Rainy	Mild	High	No	Play
Rainy	Cool	Normal	No	Play
Rainy	Cool	Normal	Yes	Play
Cloudy	Cool	Normal	Yes	Play
Sunny	Mild	High	No	Don't Play
Sunny	Cool	Normal	No	Play
Rainy	Mild	Normal	No	Play
Sunny	Mild	Normal	Yes	Play
Cloudy	Mild	High	Yes	Play
Cloudy	Hot	Normal	No	Play
Rainy	Mild	High	Yes	Don't Play

		jml kasus(S)	Tidak (S1)	Ya(S2)	Entropy	Gain
Humidity High		7	4	3	0.98522814	
outlook						0.69951385
	cloudy	2	0	2	0	
	rainy	2	1	1	1	
	sunny	3	3	0	0	
temp						0.1838509
	col	0	0	0	0	
	hot	3	2	1	0.91829583	
	mild	4	2	2	1	
humidity						0.02024421
	high	4	2	2	1	
	normal	3	2	1	0.91829583	
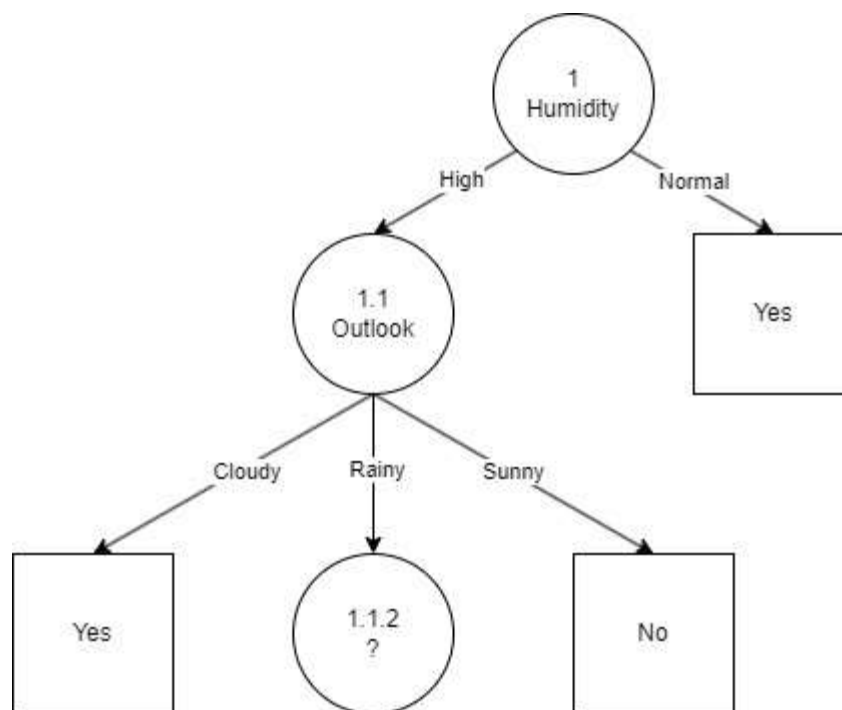
Perhitungan Node 1.1.2

OUTLOOK	TEMPERATURE	HUMIDITY	WINDY	PLAY
Sunny	Hot	High	No	Don't Play
Sunny	Hot	High	Yes	Don't Play
Cloudy	Hot	High	No	Play
Rainy	Mild	High	No	Play
Rainy	Cool	Normal	No	Play
Rainy	Cool	Normal	Yes	Play
Cloudy	Cool	Normal	Yes	Play
Sunny	Mild	High	No	Don't Play
Sunny	Cool	Normal	No	Play
Rainy	Mild	Normal	No	Play
Sunny	Mild	Normal	Yes	Play
Cloudy	Mild	High	Yes	Play
Cloudy	Hot	Normal	No	Play
Rainy	Mild	High	Yes	Don't Play

		jml kasus(S)	Tidak (S1)	Ya(S2)	Entropy	Gain
Humidity High and Outlook Rainy		2	1	1	1	
temp						0
	col	0	0	0	0	
	hot	0	0	0	0	
	mild	2	1	1	1	
windy						1
	FALSE	1	0	1	0	
	TRUE	1	1	0	0	