

Pertemuan 7

Node 1		Jml. kasus	Don't Play	Play	Entropy	Gain
total		14	4	10	0,8631	0,2585
Outlook					0,9709	
	Sunny	5	3	2	0	
	Cloudy	4	0	4	0,7219	
	Rainy	5	1	4		0,1838
temperature					0	
	Cool	4	0	4	1	
	Hot	4	2	2		
	Mild	6	2	4	0,9183	
Humidity						0,3705
	high	7	4	3	0,98523	
	Normal	7	0	7	0	
Windy						0,0059
	No	8	2	6	0,81126	
	Yes	6	4	2	0,9183	

$$\text{Entropy (total)} = \left(-\frac{4}{14} \cdot \log_2\left(\frac{4}{14}\right)\right) + \left(-\frac{10}{14} \cdot \log_2\left(\frac{10}{14}\right)\right) = 0,863120569$$

Node 1.1		Jml. kasus	Don't Play	Play	Entropy	Gain
Humidity high		7	4	3	0,98523	
Outlook						0,6995
	Sunny	3	3	0	0	
	Cloudy	2	0	2	0	
	Rainy	2	1	1	1	
Temperature						0,0202
	Cool	0	0	0	0	
	Hot	3	2	1	0,9182	
	Mild	4	2	2	1	
Windy						0,0202
	No	4	2	2	1	
	Yes	3	2	1	0,9182	

Note 1.1.3		JMI - kasur	Don't Play	Play	Entropy	Gain
Humidity high &...		2	1	1	1	0
Temperature	Cool	0	0	0	0	
	Hot	0	0	0	0	
	Mild	2	1	1	1	
Windy	No	1	0	1	0	
	Yes	1	1	0	0	

