

| Data Bermain Tennis | | | | |
|---------------------|-------------|----------|-------|------------|
| 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 | Cool | High | Yes | Don't Play |

| | | Total Kasus | No(S1) | Yes(S2) | Probs(NO) | Probs(Yes) | Entropy | Gain |
|----------|--------|-------------|--------|---------|-------------|-------------|-------------|-----------|
| Total | | 14 | 4 | 10 | 0.285714286 | 0.714285714 | 0.863120569 | |
| Outlook | | | | | | | | 0.258521 |
| | Cloudy | 4 | 0 | 4 | 0 | 1 | 0 | |
| | Rainy | 5 | 1 | 4 | 0.2 | 0.8 | 0.721928095 | |
| | Sunny | 5 | 3 | 2 | 0.6 | 0.4 | 0.970950594 | |
| Temp | | | | | | | | 0.1838509 |
| | Cool | 4 | 0 | 4 | 0 | 1 | 0 | |
| | Hot | 4 | 2 | 2 | 0.5 | 0.5 | 1 | |
| | Mild | 6 | 2 | 4 | 0.333333333 | 0.666666667 | 0.918295834 | |
| Humidity | | | | | | | | 0.3705065 |
| | High | 7 | 4 | 3 | 0.571428571 | 0.428571429 | 0.985228136 | |
| | Normal | 7 | 0 | 7 | 0 | 1 | 0 | |
| Windy | | | | | | | | 0.0059777 |
| | No | 8 | 2 | 6 | 0.25 | 0.75 | 0.811278124 | |
| | Yes | 6 | 2 | 4 | 0.333333333 | 0.666666667 | 0.918295834 | |

Entropy Untuk yang cloudy tidak ada karena log2(0) tidak terdefinisi => diganti dengan 0

| | | Total Kasus | No(S1) | Yes(S2) | Probs(NO) | Probs(Yes) | Entropy | Gain |
|---------------|--------|-------------|--------|---------|-------------|-------------|-------------|-----------|
| Humidity High | | 7 | 4 | 10 | 0.571428571 | 0.428571429 | 0.985228136 | |
| Outlook | | | | | | | | 0.6995139 |
| | Cloudy | 2 | 0 | 2 | 0 | 1 | 0 | |
| | Rainy | 2 | 1 | 1 | 0.5 | 0.5 | 1 | |
| | Sunny | 3 | 3 | 0 | 1 | 0 | 0 | |
| Temp | | | | | | | | 0.0202442 |
| | Cool | 0 | 0 | 0 | #DIV/0! | #DIV/0! | 0 | |
| | Hot | 3 | 2 | 1 | 0.666666667 | 0.333333333 | 0.918295834 | |
| | Mild | 4 | 2 | 2 | 0.5 | 0.5 | 1 | |

| | | | | | | | | |
|----------------------------------|------|-------------|--------|---------|-------------|-------------|-------------|-----------|
| Windy | | | | | | | | 0.0202442 |
| | No | 4 | 2 | 2 | 0.5 | 0.5 | 1 | |
| | Yes | 3 | 2 | 1 | 0.666666667 | 0.333333333 | 0.918295834 | |
| | | Total Kasus | No(S1) | Yes(S2) | Probs(NO) | Probs(Yes) | Entropy | Gain |
| Humandity High and Outlook Rainy | | 2 | 1 | 1 | 0.5 | 0.5 | 1 | |
| Temp | | | | | | | | 0 |
| | Cool | 0 | 0 | 0 | #DIV/0! | #DIV/0! | 0 | |
| | Hot | 0 | 0 | 0 | #DIV/0! | #DIV/0! | 0.918295834 | |
| | Mild | 2 | 1 | 1 | 0.5 | 0.5 | 1 | |
| Windy | | | | | | | | 1 |
| | No | 1 | 0 | 1 | 0 | 1 | 0 | |
| | Yes | 1 | 1 | 0 | 1 | 0 | 0 | |