**METODE KLASIFIKASI DECISION TREE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Usia | Berat Badan | Tekanan Darah | Riwayat Keluarga | Diabetes |
| Young | Normal | Normal | Tidak | Tidak |
| Middle-aged | Overweight | Tinggi | Ya | Ya |
| Young | Normal | Normal | Ya | Tidak |
| Middle-aged | Overweight | Tinggi | Tidak | Ya |
| Senior | Overweight | Tinggi | Ya | Ya |
| Young | Normal | Normal | Tidak | Tidak |
| Senior | Overweight | Normal | Ya | Ya |
| Middle-aged | Normal | Tinggi | Tidak | Tidak |
| Young | Overweight | Normal | Ya | Ya |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Jenis | Waktu | Paket | Frekuensi | Prioritas | Gangguan |
| 1 | Pendek | Besar | Sedang | Rendah | Gangguan |
| 2 | Pendek | Kecil | Rendah | Tinggi | Gangguan |
| 3 | Panjang | Besar | Sedang | Tinggi | Normal |
| 4 | Panjang | Kecil | Tinggi | Rendah | Normal |
| 5 | Pendek | Besar | Tinggi | Tinggi | Gangguan |
| 6 | Panjang | Kecil | Rendah | Tinggi | Gangguan |
| 7 | Panjang | Kecil | Tinggi | Rendah | Gangguan |
| 8 | Panjang | Kecil | Sedang | Rendah | Normal |
| 9 | Panjang | Besar | Tinggi | Tinggi | Normal |
| 10 | Panjang | Kecil | Sedang | Rendah | Gangguan |
| 11 | Pendek | Besar | Sedang | Tinggi | Normal |
| 12 | Panjang | Besar | Rendah | Tinggi | Normal |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Indikator Variabel** | | **Jumlah Data** | **Yes (Y)** | **No (N)** | **Entropy** | **Information Gain** |
| **Total** | **9** | **12** | **6** | **6** | **1** |  |
| Waktu |  |  |  |  |  |  |
|  | Pendek | 4 | 3 | 1 |  |  |
|  | Panjang | 8 | 3 | 5 |  |  |
| Paket |  |  |  |  |  |  |
|  | Besar | 6 | 2 | 4 |  |  |
|  | Kecil | 6 | 4 | 2 |  |  |
| Frekuensi |  |  |  |  |  |  |
|  | Sedang | 5 | 2 | 3 |  |  |
|  | Rendah | 3 | 2 | 1 |  |  |
|  | Tinggi | 4 | 2 | 2 |  |  |
| Prioritas |  |  |  |  |  |  |
|  | Rendah | 5 | 3 | 2 |  |  |
|  | Tinggi | 7 | 3 | 4 |  |  |

Entropy Total

Entropy Waktu (Pendek, Panjang)

Entropy Paket (Besar, Kecil)

Entropy Frekuensi (Sedang, Rendah, Tinggi)

Entropy Prioritas (Rendah, Tinggi)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Indikator Variabel** | | **Jumlah Data** | **Yes (Y)** | **No (N)** | **Entropy** | **Information Gain** |
| **Total** | **1/4 variabel** | **12** | **6** | **6** | **1** |  |
| Waktu |  |  |  |  |  |  |
|  | Pendek | 4 | 3 | 1 |  |  |
|  | Panjang | 8 | 3 | 5 |  |  |
| Paket |  |  |  |  |  |  |
|  | Besar | 6 | 2 | 4 |  |  |
|  | Kecil | 6 | 4 | 2 |  |  |
| Frekuensi |  |  |  |  |  |  |
|  | Sedang | 5 | 2 | 3 |  |  |
|  | Rendah | 3 | 2 | 1 |  |  |
|  | Tinggi | 4 | 2 | 2 |  |  |
| Prioritas |  |  |  |  |  |  |
|  | Rendah | 5 | 3 | 2 |  |  |
|  | Tinggi | 7 | 3 | 4 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Jenis | Waktu | Paket | Frekuensi | Prioritas | Gangguan |
| 1 | Pendek | Besar | Sedang | Rendah | Gangguan |
| 2 | Pendek | Kecil | Rendah | Tinggi | Gangguan |
| 5 | Pendek | Besar | Tinggi | Tinggi | Gangguan |
| 11 | Pendek | Besar | Sedang | Tinggi | Normal |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Indikator Variabel** | | **Jumlah Data** | **Yes (Y)** | **No (N)** | **Entropy** | **Information Gain** |
| **Total** | **1/4 variabel** | **4** | **3** | **1** |  |  |
| Waktu |  |  |  |  |  |  |
|  | Pendek | 4 | 3 | 1 |  |  |
|  | Panjang | 0 | 0 | 0 |  |  |
| Paket |  |  |  |  |  |  |
|  | Besar | 3 | 2 | 1 |  |  |
|  | Kecil | 1 | 1 | 0 |  |  |
| Frekuensi |  |  |  |  |  |  |
|  | Sedang | 2 | 1 | 1 |  |  |
|  | Rendah | 1 | 1 | 0 |  |  |
|  | Tinggi | 1 | 1 | 0 |  |  |
| Prioritas |  |  |  |  |  |  |
|  | Rendah | 1 | 1 | 0 |  |  |
|  | Tinggi | 3 | 2 | 1 |  |  |

Entropy Total

Entropy Paket (Besar, Kecil)

Entropy Frekuensi (Sedang, Rendah, Tinggi)

Entropy Prioritas (Rendah, Tinggi)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Jenis | Waktu | Paket | Frekuensi | Prioritas | Gangguan |
| 3 | Panjang | Besar | Sedang | Tinggi | Normal |
| 4 | Panjang | Kecil | Tinggi | Rendah | Normal |
| 6 | Panjang | Kecil | Rendah | Tinggi | Gangguan |
| 7 | Panjang | Kecil | Tinggi | Rendah | Gangguan |
| 8 | Panjang | Kecil | Sedang | Rendah | Normal |
| 9 | Panjang | Besar | Tinggi | Tinggi | Normal |
| 10 | Panjang | Kecil | Sedang | Rendah | Gangguan |
| 12 | Panjang | Besar | Rendah | Tinggi | Normal |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Indikator Variabel** | | **Jumlah Data** | **Yes (Y)** | **No (N)** | **Entropy** | **Information Gain** |
| **Total** | **1/4 variabel** | **8** | **3** | **5** |  |  |
| Waktu |  |  |  |  |  |  |
|  | Pendek | 0 | 0 | 0 |  |  |
|  | Panjang | 8 | 3 | 5 |  |  |
| Paket |  |  |  |  |  |  |
|  | Besar | 3 | 0 | 3 |  |  |
|  | Kecil | 5 | 3 | 2 |  |  |
| Frekuensi |  |  |  |  |  |  |
|  | Sedang | 3 | 1 | 2 |  |  |
|  | Rendah | 2 | 1 | 1 |  |  |
|  | Tinggi | 3 | 1 | 2 |  |  |
| Prioritas |  |  |  |  |  |  |
|  | Rendah | 4 | 2 | 2 |  |  |
|  | Tinggi | 4 | 1 | 3 |  |  |

Entropy Total

Entropy Paket (Besar, Kecil)

Entropy Frekuensi (Sedang, Rendah, Tinggi)

Entropy Prioritas (Rendah, Tinggi)