# Tabel Peran Fuzzy untuk Sistem Deteksi Banjir

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tingkat Hujan | Ketinggian Air | Debit Air | Kondisi |  |
| T | R | Lm | Aman |  |
| T | R | Sd | Siaga |  |
| T | R | Cp | Waspada |  |
| T | R | SL | Bahaya |  |
| T | Sd | Lm | Siaga |  |
| T | Sd | Sd | Waspada |  |
| T | Sd | Cp | Bahaya |  |
| T | Sd | SL | Bahaya |  |
| T | T | Lm | Waspada |  |
| T | T | Sd | Bahaya |  |
| T | T | Cp | Bahaya |  |
| T | T | SL | Bahaya |  |
| T | ST | Lm | Bahaya |  |
| T | ST | Sd | Bahaya |  |
| T | ST | Cp | Bahaya |  |
| T | ST | SL | Bahaya |  |
| R | R | Lm | Aman |  |
| R | R | Sd | Siaga |  |
| R | R | Cp | Siaga |  |
| R | R | SL | Waspada |  |
| R | Sd | Lm | Siaga |  |
| R | Sd | Sd | Waspada |  |
| R | Sd | Cp | Waspada |  |
| R | Sd | SL | Bahaya |  |
| R | T | Lm | Waspada |  |
| R | T | Sd | Bahaya |  |
| R | T | Cp | Bahaya |  |
| R | T | SL | Bahaya |  |
| R | ST | Lm | Bahaya |  |
| R | ST | Sd | Bahaya |  |
| R | ST | Cp | Bahaya |  |
| R | ST | SL | Bahaya |  |
| Sd | R | Lm | Siaga |  |
| Sd | R | Sd | Waspada |  |
| Sd | R | Cp | Waspada |  |
| Sd | R | SL | Bahaya |  |
| Sd | Sd | Lm | Waspada |  |
| Sd | Sd | Sd | Waspada |  |
| Sd | Sd | Cp | Bahaya |  |
| Sd | Sd | SL | Bahaya |  |
| Sd | T | Lm | Bahaya |  |
| Sd | T | Sd | Bahaya |  |
| Sd | T | Cp | Bahaya |  |
| Sd | T | SL | Bahaya |  |
| Sd | ST | Lm | Bahaya |  |
| Sd | ST | Sd | Bahaya |  |
| Sd | ST | Cp | Bahaya |  |
| Sd | ST | SL | Bahaya |  |
| L | R | Lm | Siaga |  |
| L | R | Sd | Waspada |  |
| L | R | Cp | Bahaya |  |
| L | R | SL | Bahaya |  |
| L | Sd | Lm | Waspada |  |
| L | Sd | Sd | Bahaya |  |
| L | Sd | Cp | Bahaya |  |
| L | Sd | SL | Bahaya |  |
| L | T | Lm | Bahaya |  |
| L | T | Sd | Bahaya |  |
| L | T | Cp | Bahaya |  |
| L | T | SL | Bahaya |  |
| L | ST | Lm | Bahaya |  |
| L | ST | Sd | Bahaya |  |
| L | ST | Cp | Bahaya |  |
| L | ST | SL | Bahaya |  |

Definisi Kondisi untuk Setiap Sensor:

1. Sensor Hujan (Tingkat Hujan):

Tidak Ada Hujan (T)

Ringan (R)

Sedang (Sd)

Lebat (L)

2. Sensor Ultrasonik (Tingkat Ketinggian Air):

Rendah (R)

Sedang (Sd)

Tinggi (T)

Sangat Tinggi (ST)

3. Sensor Debit Air (Debit Air):

Lambat (Lm)

Sedang (Sd)

Cepat (Cp)

Sangat Cepat (SL)

Kondisi Output (Tingkat Kewaspadaan)\*\*:

Aman

Siaga

Waspada

Bahaya