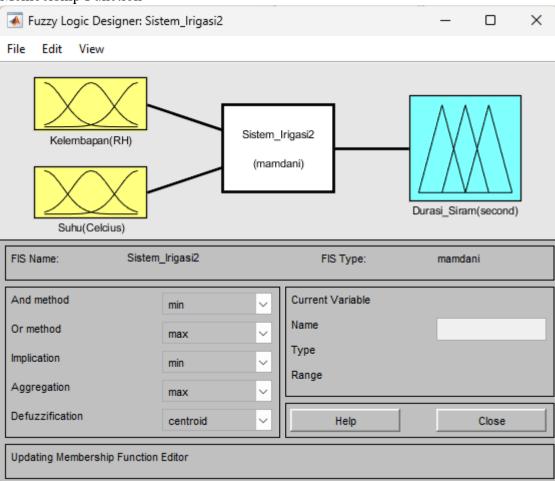
# Kelompok 3

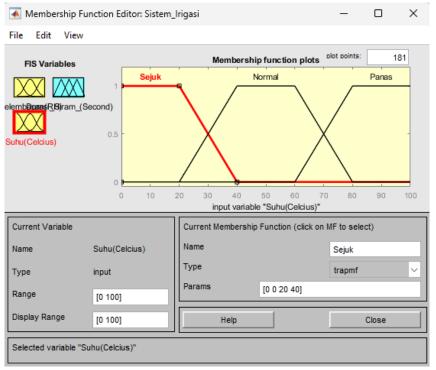
### Nama Anggota

- Rafli Maulid Firmansyah
- R. Irzia Fitri Muthmainah

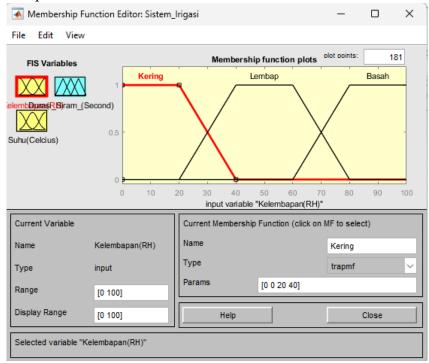
# 1. Membership Function



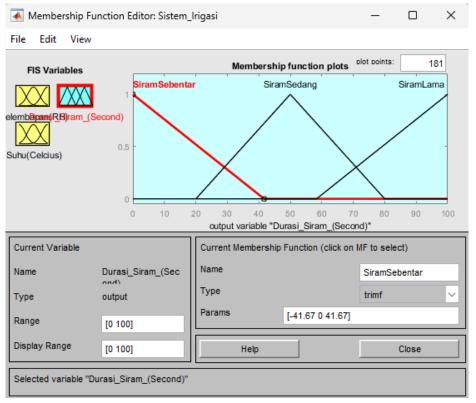
# 2. Input Suhu



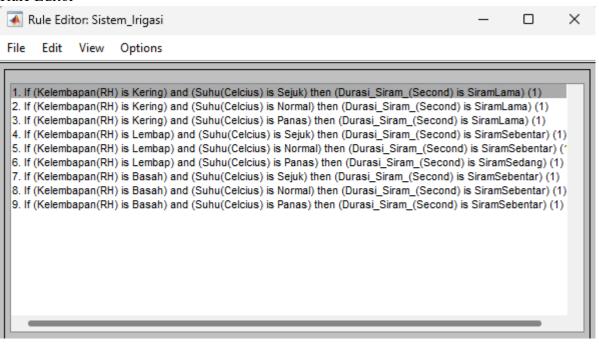
## 3. Input Kelembapan



#### 4. Output



#### 5. Rule Editor



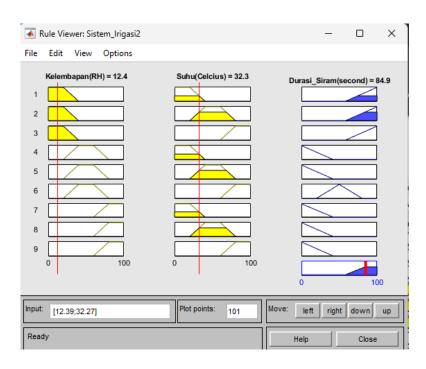
## 6. Tabel Inference

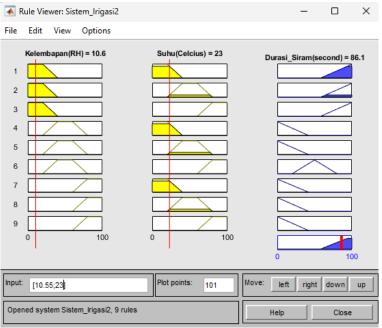
|                   | Suhu Sejuk     | Suhu Normal    | Suhu Panas     |
|-------------------|----------------|----------------|----------------|
| Kelembapan Kering | Siram Lama     | Siram Lama     | Siram Lama     |
| Kelembapan Lembap | Siram Sebentar | Siram Sebentar | Siram Sedang   |
| Kelembapan Basah  | Siram Sebentar | Siram Sebentar | Siram Sebentar |

### 7. Rule Inference

• If (Kelembapan(RH) is Kering) and (Suhu(Celcius) is Sejuk) then (Durasi\_Siram(second) is SiramLama)

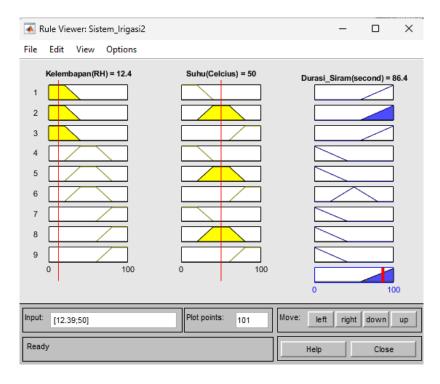
- 1.

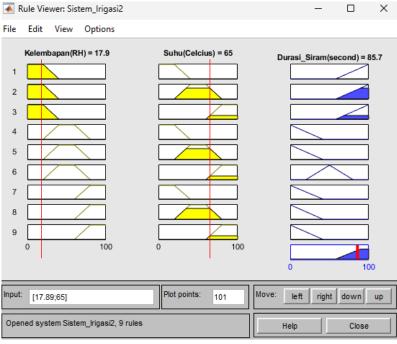




• If (Kelembapan(RH) is Kering) and (Suhu(Celcius) is Normal) then (Durasi\_Siram(second) is SiramLama)

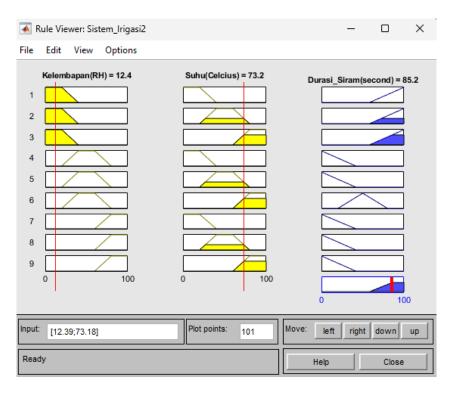
1.

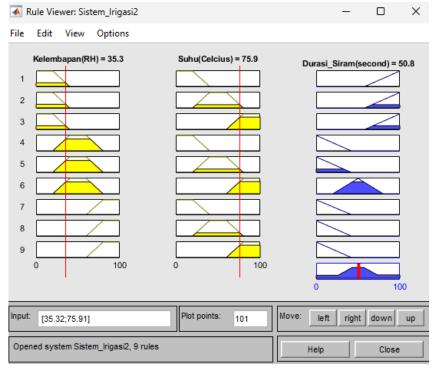




• If (Kelembapan(RH) is Kering) and (Suhu(Celcius) is Panas) then (Durasi\_Siram(second) is SiramLama)

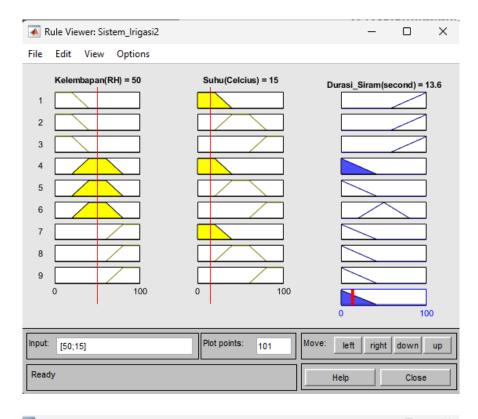
1.

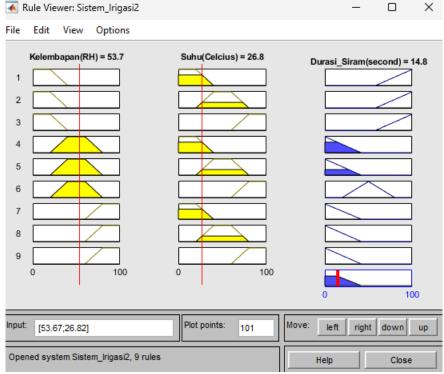




• If (Kelembapan(RH) is Lembap) and (Suhu(Celcius) is Sejuk) then (Durasi\_Siram(second) is SiramSebentar)

1.





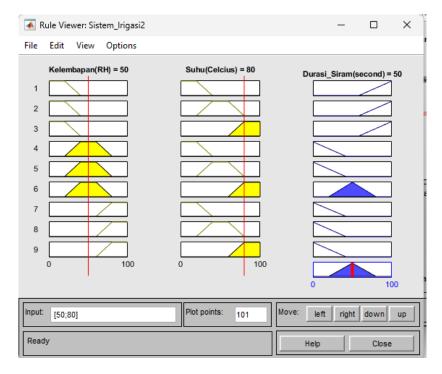
 If (Kelembapan(RH) is Lembap) and (Suhu(Celcius) is Normal) then (Durasi\_Siram(second) is SiramSebentar)
1.

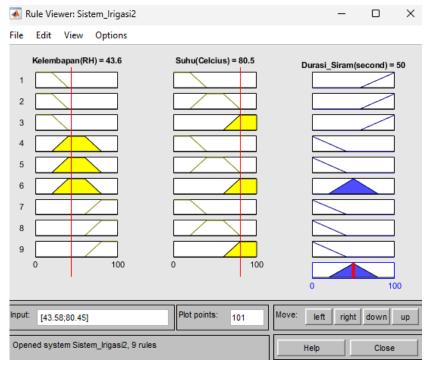
Rule Viewer: Sistem\_Irigasi × File Edit View Options Kelembapan(RH) = 50 Suhu(Celcius) = 50 Durasi\_Siram\_(Second) = 13.6 5 6 100 Move: Plot points: 101 left right down [50;50] Opened system Sistem\_Irigasi, 9 rules

Rule Viewer: Sistem\_Irigasi2 Edit View Options Suhu(Celcius) = 49.5 Kelembapan(RH) = 49.1 2 3 5 6 Move: left right down up Plot points: Input: [49.08;49.55] 101 Opened system Sistem\_Irigasi2, 9 rules Close Help

• If (Kelembapan(RH) is Lembap) and (Suhu(Celcius) is Panas) then (Durasi\_Siram(second) is SiramSedang)

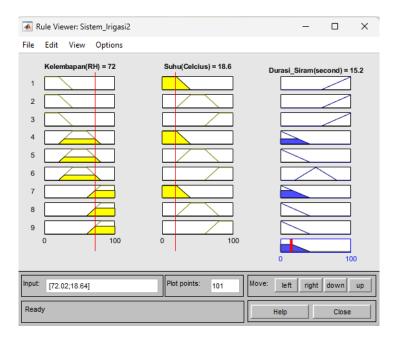
1.

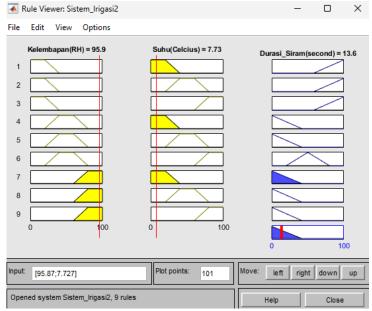




• If (Kelembapan(RH) is Basah) and (Suhu(Celcius) is Sejuk) then (Durasi\_Siram(second) is SiramSebentar)

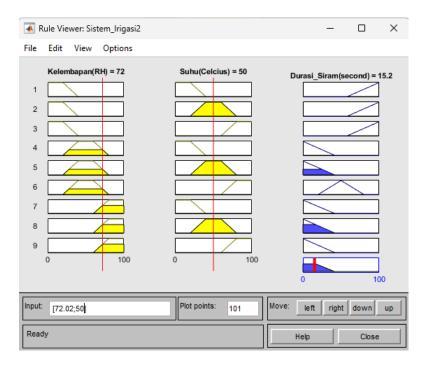
1.

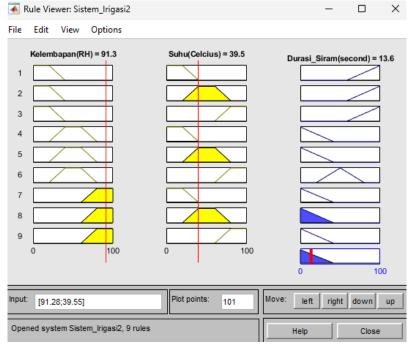




• If (Kelembapan(RH) is Basah) and (Suhu(Celcius) is Normal) then (Durasi\_Siram(second) is SiramSebentar)

1.





• If (Kelembapan(RH) is Basah) and (Suhu(Celcius) is Panas) then (Durasi\_Siram(second) is SiramSebentar)

1.

