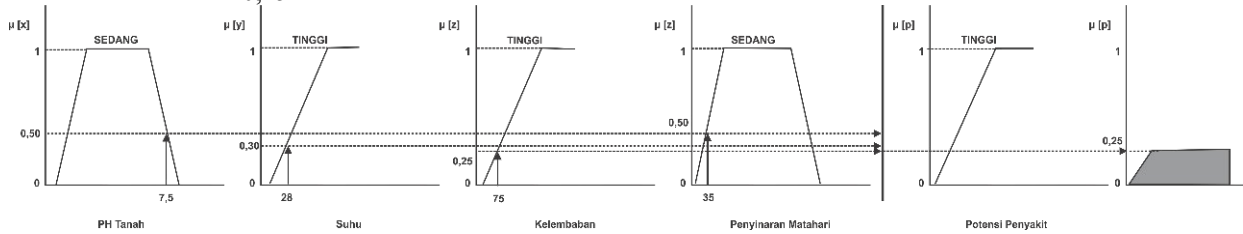


LAMPIRAN

[R1] If Ph Tanah Sedang And Suhu Udara Sedang And Kelembaban Udara Tinggi And Penyinaran Matahari Sedang
Then Potensi Penyakit Tinggi;

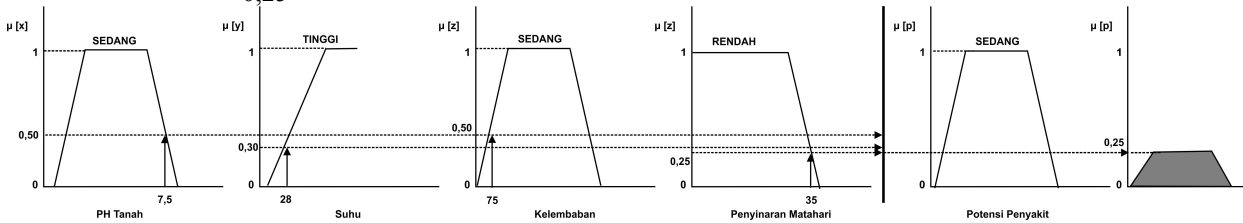
apredikat4 = $\mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}}$
 = $\min(\mu_{\text{sedang}}[7,5], \mu_{\text{sedang}}[28], \mu_{\text{tinggi}}[75], \mu_{\text{sedang}}[35])$
 = $\mu_{\min}(0,50;0,40;0,25;0,50)$
 = 0,25



Gambar A1. Fungsi Implikasi R1

[R2] If Ph Tanah Sedang And Suhu Udara Tinggi And Kelembaban Udara Sedang And Penyinaran Matahari Rendah
Then Potensi Penyakit Sedang;

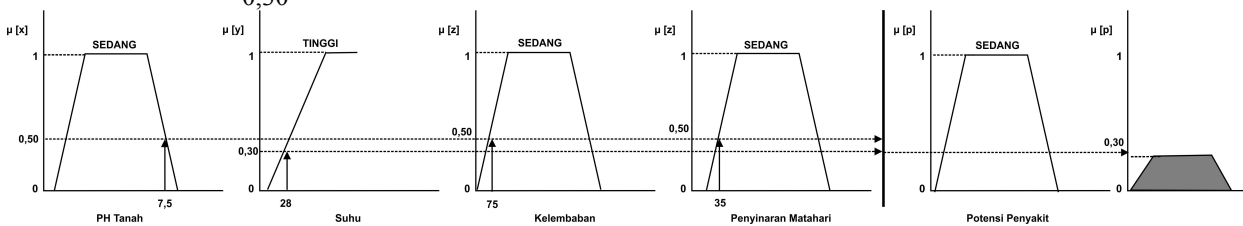
apredikat5 = $\mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}}$
 = $\min(\mu_{\text{sedang}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{sedang}}[75], \mu_{\text{rendah}}[35])$
 = $\mu_{\min}(0,50;0,30;0,50;0,25)$
 = 0,25



Gambar A2. Fungsi Implikasi R2

[R3] If Ph Tanah Sedang And Suhu Udara Tinggi And Kelembaban Udara Sedang And Penyinaran Matahari Sedang
Then Potensi Penyakit Sedang;

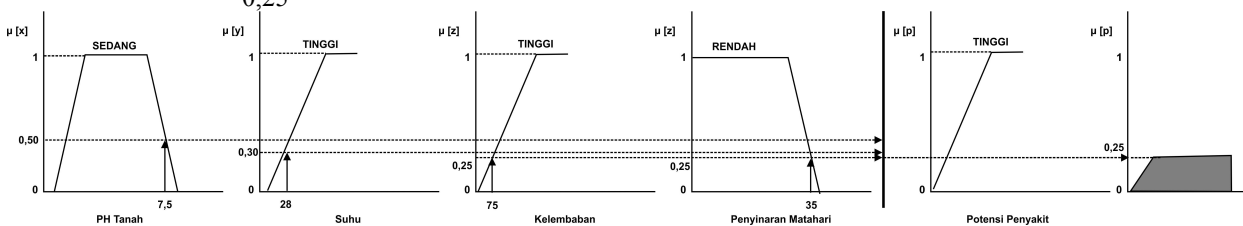
apredikat6 = $\mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}}$
 = $\min(\mu_{\text{sedang}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{sedang}}[75], \mu_{\text{sedang}}[35])$
 = $\mu_{\min}(0,50;0,30;0,50;0,50)$
 = 0,30



Gambar A3. Fungsi Implikasi R3

[R4] If Ph Tanah Sedang And Suhu Udara Tinggi And Kelembaban Udara Tinggi And Penyinaran Matahari Rendah
Then Potensi Penyakit Tinggi;

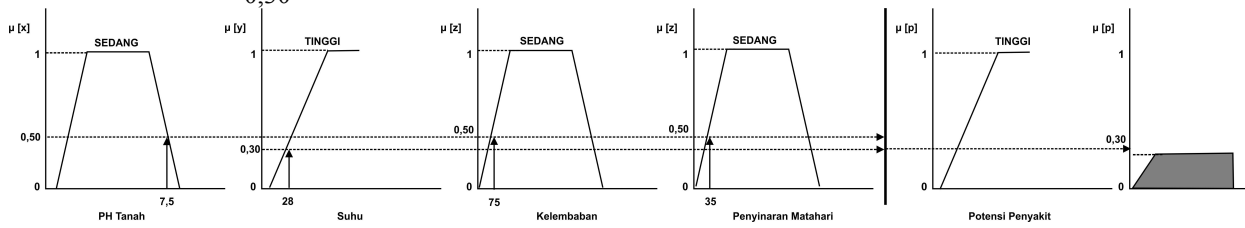
apredikat7 = $\mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}}$
 = $\min(\mu_{\text{sedang}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{tinggi}}[75], \mu_{\text{rendah}}[35])$
 = $\mu_{\min}(0,50;0,30;0,25;0,25)$
 = 0,25



Gambar A4. Fungsi Implikasi R4

[R5] If Ph Tanah Sedang And Suhu Udara Tinggi And Kelembaban Udara Tinggi And Penyinaran Matahari Sedang Then Potensi Penyakit Tinggi;

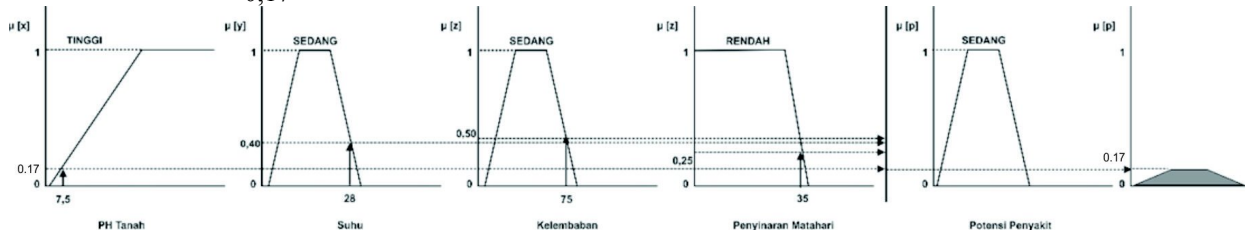
$$\begin{aligned} \text{apredikat8} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min (\mu_{\text{sedang}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{sedang}}[75], \mu_{\text{sedang}}[35]) \\ &= \mu_{\min} (0,50;0,30;0,50;0,50) \\ &= 0,30 \end{aligned}$$



Gambar A5. Fungsi Implikasi R5

[R6] If Ph Tanah Tinggi And Suhu Udara Sedang And Kelembaban Udara Sedang And Penyinaran Matahari Rendah Then Potensi Penyakit Sedang;

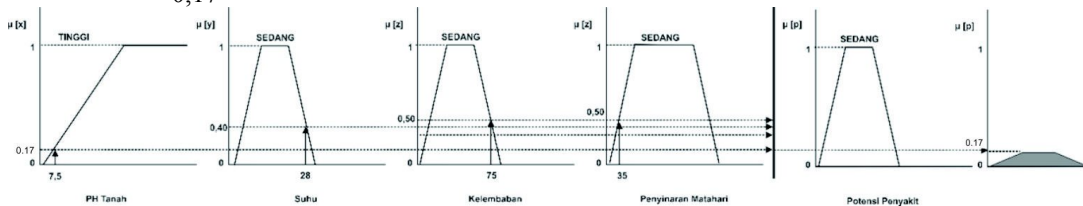
$$\begin{aligned} \text{apredikat9} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min (\mu_{\text{tinggi}}[7,5], \mu_{\text{sedang}}[28], \mu_{\text{sedang}}[75], \mu_{\text{rendah}}[35]) \\ &= \mu_{\min} (0,17;0,40;0,50;0,25) \\ &= 0,17 \end{aligned}$$



Gambar A6. Fungsi Implikasi R6

[R7] If Ph Tanah Tinggi And Suhu Udara Sedang And Kelembaban Udara Sedang And Penyinaran Matahari Sedang Then Potensi Penyakit Sedang;

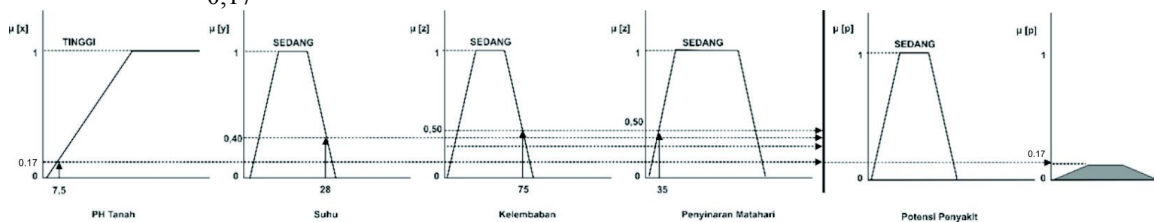
$$\begin{aligned} \text{apredikat10} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min (\mu_{\text{tinggi}}[7,5], \mu_{\text{sedang}}[28], \mu_{\text{sedang}}[75], \mu_{\text{sedang}}[35]) \\ &= \mu_{\min} (0,17;0,40;0,50;0,50) \\ &= 0,17 \end{aligned}$$



Gambar A7. Fungsi Implikasi R7

[R8] If Ph Tanah Tinggi And Suhu Udara Sedang And Kelembaban Udara Tinggi And Penyinaran Matahari Rendah Then Potensi Penyakit Tinggi;

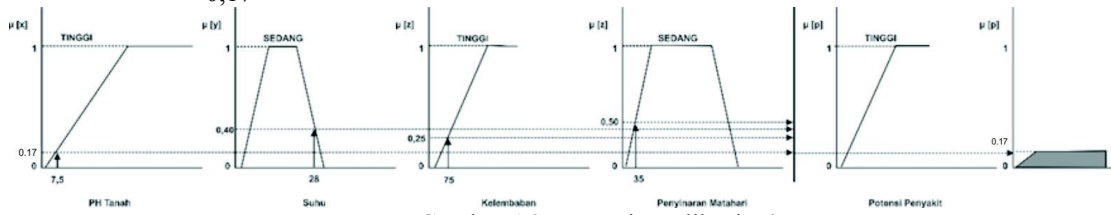
$$\begin{aligned} \text{apredikat11} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min (\mu_{\text{tinggi}}[7,5], \mu_{\text{sedang}}[28], \mu_{\text{tinggi}}[75], \mu_{\text{rendah}}[35]) \\ &= \mu_{\min} (0,17;0,40;0,50;0,25) \\ &= 0,17 \end{aligned}$$



Gambar A8. Fungsi Implikasi R8

[R9] If Ph Tanah Tinggi And Suhu Udara Sedang And Kelembaban Udara Tinggi And Penyinaran Matahari Sedang Then Potensi Penyakit Tinggi;

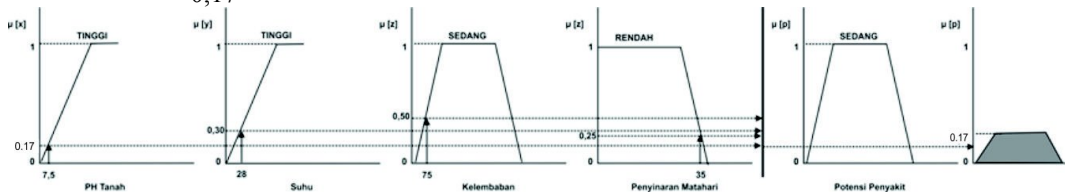
$$\begin{aligned} \mu_{\text{predikat12}} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min(\mu_{\text{tinggi}}[7,5], \mu_{\text{sedang}}[28], \mu_{\text{tinggi}}[75], \mu_{\text{sedang}}[35]) \\ &= \mu_{\min}(0,17;0,40;0,25;0,50) \\ &= 0,17 \end{aligned}$$



Gambar A9. Fungsi Implikasi R9

[R10] If Ph Tanah Tinggi And Suhu Udara Tinggi And Kelembaban Udara Sedang And Penyinaran Matahari Rendah Then Potensi Penyakit Sedang;

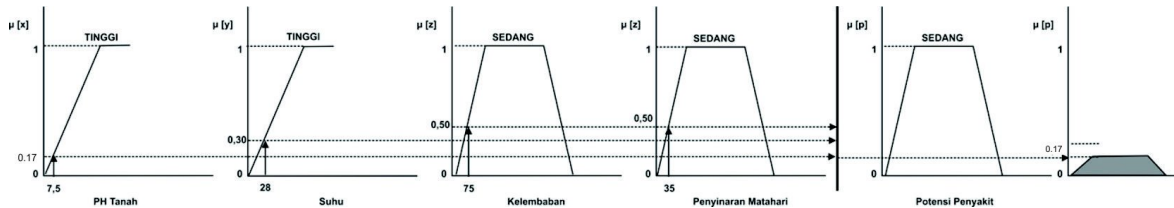
$$\begin{aligned} \mu_{\text{predikat13}} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min(\mu_{\text{tinggi}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{sedang}}[75], \mu_{\text{rendah}}[35]) \\ &= \mu_{\min}(0,17;0,30;0,50;0,25) \\ &= 0,17 \end{aligned}$$



Gambar A10. Fungsi Implikasi R10

[R11] If Ph Tanah Tinggi And Suhu Udara Tinggi And Kelembaban Udara Sedang And Penyinaran Matahari Sedang Then Potensi Penyakit Sedang;

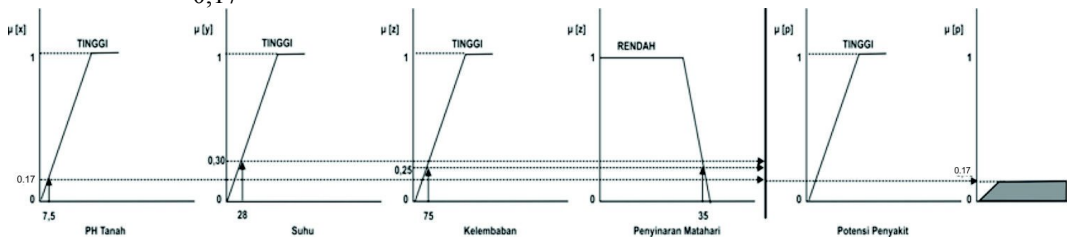
$$\begin{aligned} \mu_{\text{predikat14}} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min(\mu_{\text{tinggi}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{sedang}}[75], \mu_{\text{sedang}}[35]) \\ &= \mu_{\min}(0,17;0,30;0,50;0,50) \\ &= 0,17 \end{aligned}$$



Gambar A11. Fungsi Implikasi R11

[R12] If Ph Tanah Tinggi And Suhu Udara Tinggi And Kelembaban Udara Tinggi And Penyinaran Matahari Rendah Then Potensi Penyakit Tinggi;

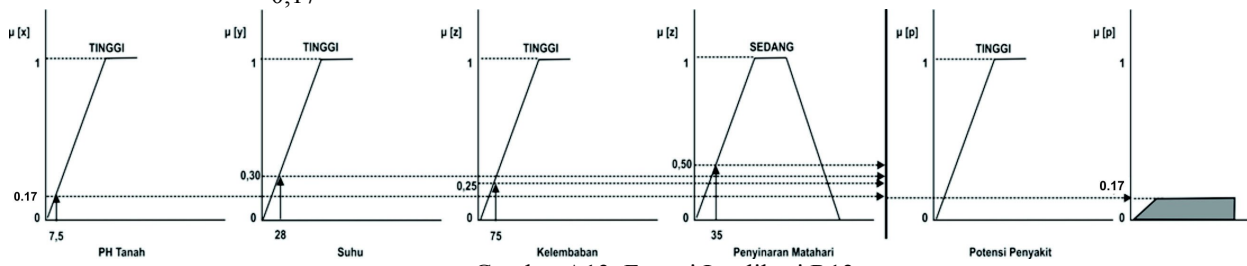
$$\begin{aligned} \mu_{\text{predikat15}} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min(\mu_{\text{tinggi}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{tinggi}}[75], \mu_{\text{rendah}}[35]) \\ &= \mu_{\min}(0,17;0,30;0,25;0,25) \\ &= 0,17 \end{aligned}$$



Gambar A12. Fungsi Implikasi R12

[R13] If Ph Tanah Tinggi And Suhu Udara Tinggi And Kelembaban Udara Tinggi And Penyinaran Matahari Sedang Then Potensi Penyakit Tinggi;

$$\begin{aligned} \mu_{\text{predikat16}} &= \mu_{\text{phtanah}} \cap \mu_{\text{suhu}} \cap \mu_{\text{kelembaban}} \cap \mu_{\text{penyinaran matahari}} \\ &= \min(\mu_{\text{tinggi}}[7,5], \mu_{\text{tinggi}}[28], \mu_{\text{tinggi}}[75], \mu_{\text{sedang}}[35]) \\ &= \mu_{\min}(0,17;0,30;0,25;0,50) \\ &= 0,17 \end{aligned}$$



Gambar A13. Fungsi Implikasi R13