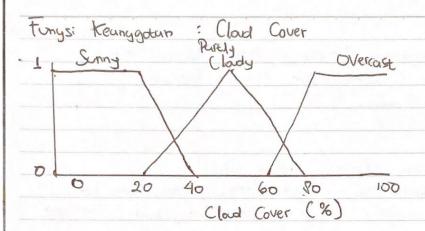
Cilenn Uhalado 191011402646 06TPLM004 Menghitung Kecepatan mobil berdusur ban Suhu dan kondisi Cuaca # Fuzzi Fication Terdairet 2 Variabel yaitu temperatur dun Cloud · Lemperatur, Ronya 4 Milamilai Lingvistik yaitu Freezing, cool, warm, hot · Clad, mempungai 3 milai Lingvistik Jaitu Sunny, Phithy cloudy, Overcast Fungsi Leany gotaan : Temperature 0 Freezing hot Cool Warm 0 0 ( 0 10 0 70 90 110 Temp (FO) 0 Temp (= 50) (5) temp (=70) Temp (<=30) Freezing = 0 ( freezing = 1 Freezing = 0 Cool = 1 Cod = 0 Cool 0 Warm = 0 Warm = 1 Warm = 0 0 Hot = 0 hot = 0 hot = 0(4) Temp (> 50 dun <70) (7 temp (770 dun <90) (2.) Temp (>30 dun <50) Freezing = 0 50 - temp Freezing = Freezing = 0 Cool - 70-temp Cool :0 70-50 Warm = 90-temp =-lemp -30 cool 50-30 Warm = temp - so 90-70 hot = temp-70 0 warm " 0 hoto = 1) hot 90-70 (8) temp (>=90) Warm = 0 Freezing = 0 Cool = 0 hot = 1



(1) Cloud (<=20)
Sunny = 1
Parely (lody = 0
Overcast = 0

- (5) Cloud (>60 dan 400) Sunny = 0 Overcast = Clad - 60 80-60
- 2) Cloud (>20 dan <40) Sunny = 40-Cloud 40-20 Overcast = 0
- D Cloud (>= 80)

  Sunny = 0

  Parely cloudy = 0

  Overcast = 1
- 3) Clad ( > 20 dan < 50)
  Partly Cloudy = <u>Clad</u> -20
  50-20
- (Sunny = 0 Purely Clady = 1 Overcast = 0
- (5) Cloud (>50 dan 60)
  Sunny = 0
  Parely Cloudy = 00 Cloud

# Sistem Inferensi membrat attron , Jumbah Otheran = > Var temperature x & var Cloud cover 2 4x3 = 12 Rules 1. If Freezing and Sunny then Slow 2. If Freezing and Purtly Cloudy then Slow 3. If Freezing and overcast then Slow 4. IF Cool and Sunny then Slow 5. If cool and Partly Cloudy then Slow 6. IF Gool and Overcase then Slow 7. IF Warm and Sunny then fast Q. IF warm and Partly Cloudy then fast 9. IF warm and overcust then Fast 10. If Hot and Sunny then fast 11. IF hot and Purtly Cloudy then Fast 12. IF HOL and overcase then first mengambil nilai Minimal Funysi Penghubuny memakai konjungsi o Cohtah: (D) IF its Sunny and warm , drive Fast Sunny (cover) 1 Norm (temp) => Fast (speed) Fast = (min (Sunny (Cover), Warm (Temp)) # DeFuzziFikasi Fast Slow Speed = weighted mean = (Slow \* 25 + Fug + 75) (Slow of Fust) = 2 mph 75 50 100 Speed (mph) Steed is 20% slow Stand 70% Fast

Contoh Perhitungan manual

(1) Berala kecelatan jika

65 F

1 Januah

\* 65°F = A Cool = 0125 Warm = 0175

\* 55% => Party Clary =0183

[F Cool and Parkly Cloudy then Slow [RULE ke 5] 8,25 1 0,8 = 0,25 -> Slow

If warm and Partly Cloudy then Fast [RULE ke S]

0175 1 0183 = 0,75 -> Fast

Sleed = (Slow × 25) + (Fast × 75)

Slow + Fast

= (0,25 ×25) + (0,75 × 75)

= 6,25 + 56,25 = 62,5 . Solah Sescai!!!

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