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NIM: 123180061

Plug: E

Studi kasus: Merekrut Guru Baru

Data Guru

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Calon Guru** | **Tes Formulir** | **Tes Tertulis** | **Tes Wawancara** | **Tes Mengajar** | **Tes Psikotes** |
| A | 80 | 80 | 70 | 95 | 80 |
| B | 75 | 70 | 80 | 80 | 60 |
| C | 90 | 90 | 70 | 60 | 70 |
| D | 80 | 60 | 85 | 70 | 70 |

Atribut dan Bobot

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Kriteria** | **Tes Formulir** | **Tes Tertulis** | **Tes Wawancara** | **Tes Mengajar** | **Tes Psikotes** |
| Atribut | 1 | 1 | 1 | 1 | 1 |
| Bobot | 0.1 | 0.15 | 0.25 | 0.25 | 0.25 |

Analisis Perhitungan

Matriks Ternormalisasi R

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Calon Guru** | **Tes Formulis** | **Tes Tertulis** | **Tes Wawancara** | **Tes Mengajar** | **Tes Psikotes** |
| A | 80/90 = 0.88889 | 80/90 = 0.88889 | 70/85 = 0.82353 | 95/95 = 1 | 80/80 = 1 |
| B | 75/90 = 0.83333 | 70/90 = 0.77778 | 80/85 = 0.94118 | 80/95 = 0.84211 | 60/80 = 0.75 |
| C | 90/90 = 1 | 90/90 = 1 | 70/85 = 0.82353 | 60/95 = 0.63158 | 70/80 = 0.875 |
| D | 80/90 = 0.88889 | 60/90 = 0.66667 | 85/85 = 1 | 70/95 = 0.73684 | 70/80 = 0.875 |

Vektor

A = (0.89 x 0.1)+(0.89 x 0.15)+(0.82 x 0.25)+(1 x 0.25)+(1 x 0.25) = 0.9281

B = (0.83 x 0.1)+(0.78 x 0.15)+(0.94 x 0.25)+(0.84 x 0.25)+(0.75 x 0.25) = 0.83332

C = (1 x 0.1)+(1 x 0.15)+(0.82 x 0.25)+(0.63 x 0.25)+(0.875 x 0.25) = 0.83253

D = (0.89 x 0.1)+(0.67 x 0.15)+(1 x 0.25)+(0.74 x 0.25)+(0.875 x 0.25) = 0.84185

Nilai terbesar ada pada A = 0.9281, maka alternatif terbaik adalah Calon Guru A

Hasil SPK dengan Simple Additive Weighting

