a. Analisis Metode *Simple Additive Weighting*

Pada penelitian ini penulis menggunakan metode *Simple Additive Weighting* pada proses pengambil keputusan. Metode *Simple Additive Weighting* diterapkan pada proses perhitungan untuk menentukan penerimaan calon pegawai. Tahapan awal penerapan metode *Simple Additive Weighting* adalah menentukan kriteria – kriteria dalam proses perekrutan:

1. Penentuan Kriteria dan Bobot

Berdasarkan wawancara yang telah dilakukan dengan Dedi Darmawan selaku Staff PUSBINDIKLATREN BAPPENAS. Terdapat kriteria – kriteria yang digunakan mengacu pada syarat – syarat untuk penerimaan calon pegawai. Masing – masing kriteria akan ditentukan bobot sebagai berikut:

Kode Kriteria (Ci)	Nama Kriteria	Bobot	Atribut
C1	Pemberkasan	25	Benefit
C2	Psikotest	30	Benefit
C3	Wawancara	20	Benefit
C4	Kesehatan	25	Cost

2. Rating Kecocokan Kriteria

Berdasarkan wawancara yang dilakukan. Dari kriteria diatas, maka dibuat suatu tingkatan kepentingan kriteria, atau rating kriteria kecocokan berdasarkan nilai bobot yang telah ditentukan.

Tabel 3.1 Skala Rating Kecocokan

Keterangan	**Nilai Bobot**
Sangat Baik	100

Baik	75
Cukup	50
Kurang Baik	25

a. Kriteria Pemberkasan (C1)

Kriteria Pemberkasan di nilai berdasarkan kelengkapan berkas yang di *upload* calon pegawai terhadap persyaratan yang di tentukan oleh PUSBINDIKLATREN BAPPENAS.

Tabel 3.2 Kriteria Pemberkasan (C1)

Pemberkasan	Keterangan	Nilai Bobot
6 Lampiran	Sangat Baik	100
5 Lampiran	Baik	75
4 Lampiran	Cukup	50
0 – 3 Lampiran	Kurang Baik	25

b. Kriteria Psikotest (C2)

Kriteria Psikotest dinilai berdasarkan hasil test yang sudah di tentukan oleh PUSBINDIKLATREN BAPPENAS kepada calon pegawai pada saat pemanggilan tahap pertama.

Tabel 3.3 Kriteria Psikotest (C2)

Psikotest	Keterangan	Nilai Bobot
> 95	Sangat Baik	100
90 - < 95	Baik	75
75 - < 90	Cukup	50

Psikotest	Keterangan	Nilai Bobot
< 75	Kurang Baik	25

c. Kriteria Wawancara (C3)

Kriteria Wawancara dinilai berdasarkan hasil test yang sudah di tentukan oleh PUSBINDIKLATREN BAPPENAS kepada calon pegawai pada saat pemanggilan tahap kedua.

Tabel 3.4 Kriteria Wawancara (C3)

Wawancara	Keterangan	Nilai Bobot
> 95	Sangat Baik	100
90 - < 95	Baik	75
75 - < 90	Cukup	50
< 75	Kurang Baik	25

d. Kriteria Kesehatan (C4)

Kriteria Kesehatan dinilai berdasarkan hasil test *Medical Check Up* yang di fasilitasi oleh PUSBINDIKLATREN BAPPENAS kepada calon pegawai pada saat pemanggilan tahap terakhir.

Tabel 3.5 Kriteria Kesehatan (C4)

Kesehatan	Keterangan	Nilai Bobot
0 Penyakit	Sangat Baik	25
1 Penyakit	Baik	50
2 Penyakit	Cukup	75
>= 3 Penyakit	Kurang Baik	100

3. Penerapan Metode Simple Additive Weighting (SAW)

Beberapa data calon pegawai sebagai sample, untuk penerapan Metode SAW dalam menentukan calon pegawai yang akan diterima kerja di PUSBINDIKLATREN BAPPENAS dari hasil perangkingan dalam perhitungan SAW.

Tabel 3.6 Alternatif

Alternatif	Kriteria			
	Pemberkasan	Psikotest	Wawancara	Kesehatan
ABDUL GHOFUR	6 Lampiran	70	70	0 Penyakit
ABDUL GHANDI	6 Lampiran	70	70	0 Penyakit
AHMAD SOLIHIN	6 Lampiran	80	70	0 Penyakit
AJENG VIDIA LESTARI	6 Lampiran	80	60	0 Penyakit
ANISA WULANDARI	6 Lampiran	80	70	0 Penyakit
ATTA MANDELA	6 Lampiran	60	60	0 Penyakit
ARIF MAFRUDIN	6 Lampiran	60	60	1 Penyakit
ANANDA SAILLA	6 Lampiran	90	80	2 Penyakit
AYU PUJI ASTUTI	6 Lampiran	90	80	0 Penyakit
BUDI SUSILO JATMOKO	5 Lampiran	90	80	0 Penyakit
BAMBANG SULAIMAN	6 Lampiran	70	80	0 Penyakit
BIMA NUGRAHA	6 Lampiran	70	80	0 Penyakit

BAIHAQI FADILLAH	6 Lampiran	70	70	0 Penyakit
BADRUS DHAMA	6 Lampiran	60	60	0 Penyakit
CLARA AILAWATI	6 Lampiran	80	80	1 Penyakit
CITRA LESTARI	6 Lampiran	80	70	0 Penyakit
CHAERUL ALFIAN	6 Lampiran	60	60	0 Penyakit
DITA MONIKA. R	6 Lampiran	60	50	1 Penyakit
DEDI MULYADI SETIAWAN	6 Lampiran	70	50	1 Penyakit
DANANG RATMUNDO	5 Lampiran	70	50	0 Penyakit
DIKI RIZALDI FAUZAN	6 Lampiran	70	70	0 Penyakit
RAISAH MELATI	6 Lampiran	70	70	0 Penyakit
DIAH SYABILA RAMADHAN	6 Lampiran	80	70	0 Penyakit
TAHER MAHENDRA	6 Lampiran	70	60	0 Penyakit
RINI WULANDARI	6 Lampiran	90	80	2 Penyakit
RIKA RAHMAWATI	6 Lampiran	80	80	0 Penyakit
HELIANI HARIANI	6 Lampiran	80	80	1 Penyakit
ARDHY NOVISKA	6 Lampiran	60	80	0 Penyakit
SULHAN KURNIAWAN	6 Lampiran	60	80	0 Penyakit
LAZUARDI IMAM	5 Lampiran	60	70	1 Penyakit
RISKI SETIAWAN	6 Lampiran	50	70	0 Penyakit

M. ROBY SUGARA	6 Lampiran	70	90	0 Penyakit
ISTI SOLIHATUN	6 Lampiran	80	90	0 Penyakit
UMAR ALFARUK	6 Lampiran	50	70	0 Penyakit
SAKTIAWAN WIJIANTO	6 Lampiran	90	70	0 Penyakit
RAHMAT HIDAYAT	6 Lampiran	60	90	0 Penyakit
TAUFIK HIDAYATULAH	6 Lampiran	60	90	0 Penyakit
APIT APIASYAH	6 Lampiran	80	80	0 Penyakit
DEWA ZALNANDO	6 Lampiran	98	100	0 Penyakit
RAHMA AZZAHRA	5 Lampiran	70	80	0 Penyakit
MARISA ISTIANI	6 Lampiran	70	60	0 Penyakit
FADLAN RAMADHAN	6 Lampiran	60	60	1 Penyakit
AMAURA WULANDARI	6 Lampiran	70	70	0 Penyakit
CONAN EDOGAWA	6 Lampiran	90	90	0 Penyakit
ADAN SAPUTRA	6 Lampiran	80	50	0 Penyakit
IWAN KURNIAWAN	6 Lampiran	80	80	0 Penyakit
M. ALDI SAPUTRA	6 Lampiran	50	90	1 Penyakit
DADANG SUTARMAN	6 Lampiran	80	50	0 Penyakit
DEBIT NUGRAHA	6 Lampiran	80	95	1 Penyakit
HAYUN MAULANA	5 Lampiran	80	95	1 Penyakit

Tabel 3.7 Rating Kecocokan Kriteria

ALTERNATIF	KRITERIA			
	C1	C2	C3	C4
A1	100	25	25	25
A2	100	25	25	25
A3	100	50	25	25
A4	100	50	25	25
A5	100	50	25	25
A6	100	25	25	25
A7	100	25	25	50
A8	100	75	50	75
A9	100	75	50	25
A10	75	75	50	25
A11	100	25	50	25
A12	100	25	50	25
A13	100	25	25	25
A14	100	25	25	25
A15	100	50	50	50
A16	100	50	25	25
A17	100	25	25	25
A18	100	25	25	50
A19	100	25	25	50
A20	75	25	25	25
A21	100	25	25	25
A22	100	25	25	25
A23	100	50	25	25

A24	100	25	25	25
A25	100	75	50	75
A26	100	50	50	25
A27	100	50	50	50
A28	100	25	50	25
A29	100	25	50	25
A30	75	25	25	50
A31	100	25	25	25
A32	100	25	75	25
A33	100	50	75	25
A34	100	25	25	25
A35	100	75	25	25
A36	100	25	75	25
A37	100	25	75	25
A38	100	50	50	25
A39	100	100	100	25
A40	75	25	50	25
A41	100	25	25	25
A42	100	25	25	50
A43	100	25	25	25
A44	100	75	75	25
A45	100	50	25	25
A46	100	50	50	25
A47	100	25	75	50
A48	100	50	25	25
A49	100	50	75	50
A50	75	50	75	50

Penjelanasan tabel:

C1 : Pemberkasan

C2 : Psikotest

C3 : Wawncara

C4 : Kesehatan

Matrix X didapat dari pengkonversian nilai – nilai asli pada tabel 3.7 Ke dalam nilai rating kecocokan kriteria. mengacu pada tabel rating kecocokan kriteria diatas maka di dapat keputusan X sebagai berikut:

$$X = \begin{bmatrix}
100 & 25 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 50 & 25 & 25 \\
100 & 50 & 25 & 25 \\
100 & 50 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 25 & 25 & 50 \\
100 & 75 & 50 & 75 \\
100 & 75 & 50 & 25 \\
75 & 75 & 50 & 25 \\
100 & 25 & 50 & 25 \\
100 & 25 & 50 & 25 \\
100 & 25 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 50 & 50 & 50 \\
100 & 50 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 25 & 25 & 50 \\
100 & 25 & 25 & 50 \\
75 & 25 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 50 & 25 & 25 \\
100 & 25 & 25 & 25 \\
100 & 75 & 50 & 75 \\
100 & 50 & 50 & 25 \\
100 & 50 & 50 & 50 \\
100 & 25 & 50 & 25 \\
100 & 25 & 50 & 25 \\
75 & 25 & 25 & 50
\end{bmatrix}$$

$$X = \begin{pmatrix} 100 & 25 & 25 & 25 \\ 100 & 25 & 75 & 25 \\ 100 & 50 & 75 & 25 \\ 100 & 25 & 25 & 25 \\ 100 & 75 & 25 & 25 \\ 100 & 25 & 75 & 25 \\ 100 & 25 & 75 & 25 \\ 100 & 50 & 50 & 25 \\ 100 & 100 & 100 & 25 \\ 75 & 25 & 50 & 25 \\ 100 & 25 & 25 & 25 \\ 100 & 25 & 25 & 50 \\ 100 & 25 & 25 & 25 \\ 100 & 75 & 75 & 25 \\ 100 & 50 & 25 & 25 \\ 100 & 50 & 50 & 25 \\ 100 & 25 & 75 & 50 \\ 100 & 50 & 25 & 25 \\ 100 & 50 & 75 & 50 \\ 75 & 50 & 75 & 50 \end{pmatrix}$$

4. Matrik Keputusan Ternormalisasi (R)

Langkah selanjutnya melakukan normalisasi matriks keputusan X dengan cara menghitung nilai rating kinerja ternormalisasi (Rij) dari alternatif (Ai) pada kriteria (Cj). Berikut ini merupakan perhitungan normalisasi matriks (Rij):

Alternatif 1:

$$R11 = \frac{100}{\text{Max}\{100;100;100;75;\ldots Ai\}} = \frac{100}{100} = 1$$

$$R21 = \frac{100}{\text{Max}\{100;100;100;75;\ldots Ai\}} = \frac{100}{100} = 1$$

$$R31 = \frac{100}{\text{Max}\{100;100;100;75;\ldots Ai\}} = \frac{100}{100} = 1$$

$$R41 = \frac{100}{\text{Max}\{100;100;100;75;\ldots Ai\}} = \frac{100}{100} = 1$$

$$R51 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R61 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R71 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R81 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R91 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R101 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R111 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R121 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R131 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R141 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R151 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R161 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R171 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R181 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R191 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R201 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R211 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R221 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R231 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R241 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R251 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R261 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R271 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R281 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R291 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R301 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R311 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R321 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R331 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R341 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R351 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R361 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R371 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R381 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R391 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R401 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R411 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R421 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R431 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R441 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R451 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R461 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R471 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R481 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R491 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R501 = \frac{100}{\text{Max}\{100;100;100;75;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

Alternatif 2:

$$R12 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R22 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R32 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R42 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R52 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R62 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R72 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R82 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R92 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R102 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R112 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R122 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R132 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R142 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R152 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R162 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R172 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R182 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R192 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R202 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R212 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R222 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R232 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R242 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R252 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R262 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R272 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R282 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R292 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R302 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R312 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R322 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R332 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R342 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R352 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R362 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R372 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R382 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R392 = \frac{100}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{100}{100} = 1$$

$$R402 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R412 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R422 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R432 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R442 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R452 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R462 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R472 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R482 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R492 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R502 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

Alternatif 3:

$$R13 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R23 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R33 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R43 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R53 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R63 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R73 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R83 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R93 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R103 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R113 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R123 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R133 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R143 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R153 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R163 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R173 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R183 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R193 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R203 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R213 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R223 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R233 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R243 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R253 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R263 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R273 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R283 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R293 = \frac{50}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R303 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R313 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R323 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R333 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R343 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R353 = \frac{25}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R363 = \frac{75}{\text{Max}\{100;75;50;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R373 = \frac{75}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R383 = \frac{50}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R393 = \frac{100}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{100}{100} = 1$$

$$R403 = \frac{50}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R413 = \frac{25}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R423 = \frac{25}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R433 = \frac{25}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R443 = \frac{75}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R453 = \frac{25}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R463 = \frac{50}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R473 = \frac{75}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R483 = \frac{25}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R493 = \frac{75}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R503 = \frac{75}{\text{Max}\{100;75;50;25;\ldots Ai\}} = \frac{75}{100} = 0{,}75$$

Alternatif 4:

$$R14 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R24 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R34 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R44 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R54 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R64 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R74 = \frac{50}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R84 = \frac{75}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R94 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R104 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R114 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R124 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R134 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R144 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R154 = \frac{50}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R164 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R174 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R184 = \frac{50}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R194 = \frac{50}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R204 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R214 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R224 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R234 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R244 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R254 = \frac{75}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{75}{100} = 0{,}75$$

$$R264 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R274 = \frac{50}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R284 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R294 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R304 = \frac{50}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R314 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R324 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R334 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R344 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R354 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R364 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R374 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R384 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R394 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R404 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R414 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R424 = \frac{50}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R434 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R444 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R454 = \frac{25}{\text{Min}\{75;50;25;25;\ \ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R464 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R474 = \frac{50}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R484 = \frac{25}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{25}{100} = 0{,}25$$

$$R494 = \frac{50}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

$$R504 = \frac{50}{\text{Min}\{75;50;25;25;\ldots Ai\}} = \frac{50}{100} = 0{,}5$$

Setelah perhitungan normalisasi matrik X selesai, maka selanjutnya di bentuk matriks ternomalisasi (R) sebagai berikut:

R =

1	0,25	0,25	1
1	0,25	0,25	1
1	0,5	0,25	1
1	0,5	0,25	1
1	0,5	0,25	1
1	0,25	0,25	1
1	0,25	0,25	0,5
1	0,75	0,5	0,333333
1	0,75	0,5	1
0,75	0,75	0,5	1
1	0,25	0,5	1
1	0,25	0,5	1
1	0,25	0,25	1
1	0,25	0,25	1
1	0,5	0,5	0,5
1	0,5	0,25	1
1	0,25	0,25	1
1	0,25	0,25	0,5
1	0,25	0,25	0,5
0,75	0,25	0,25	1
1	0,25	0,25	1
1	0,25	0,25	1
1	0,5	0,25	1
1	0,25	0,25	1
1	0,75	0,5	0,333333

$$R = \begin{pmatrix}
1 & 0,5 & 0,5 & 1 \\
1 & 0,5 & 0,5 & 0,5 \\
1 & 0,25 & 0,5 & 1 \\
1 & 0,25 & 0,5 & 1 \\
0,75 & 0,25 & 0,25 & 0,5 \\
1 & 0,25 & 0,25 & 1 \\
1 & 0,25 & 0,75 & 1 \\
1 & 0,5 & 0,75 & 1 \\
1 & 0,25 & 0,25 & 1 \\
1 & 0,75 & 0,25 & 1 \\
1 & 0,25 & 0,75 & 1 \\
1 & 0,25 & 0,75 & 1 \\
1 & 0,5 & 0,5 & 1 \\
1 & 1 & 1 & 1 \\
0,75 & 0,25 & 0,5 & 1 \\
1 & 0,25 & 0,25 & 1 \\
1 & 0,25 & 0,25 & 0,5 \\
1 & 0,25 & 0,25 & 1 \\
1 & 0,75 & 0,75 & 1 \\
1 & 0,5 & 0,25 & 1 \\
1 & 0,5 & 0,5 & 1 \\
1 & 0,25 & 0,75 & 0,5 \\
1 & 0,5 & 0,25 & 1 \\
1 & 0,5 & 0,75 & 0,5 \\
0,75 & 0,5 & 0,75 & 0,5
\end{pmatrix}$$

1. Menghitung Nilai Preferensi

Langkah terakhir adalah menentukan nilai preferensi. Nilai V diperoleh dengan cara menjumlahkan hasil perkalian matriks ternomalisasi (R) dengan nilai bobot (W) = [25; 30; 20; 25]. Hasil yang diperoleh adalah sebagai berikut;

V1 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V2 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V3 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V4 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V5 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V6 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V7 = (1) (25) + (0.25) (30) + (0.25) (20) + (0.5) (25)
= 50

V8 = (1) (25) + (0.75) (30) + (0.5) (20) + (0.333333) (25)
= 65.83

V9 = (1) (25) + (0.75) (30) + (0.5) (20) + (1) (25)
= 82.5

V10 = (0.75) (25) + (0.75) (30) + (0.5) (20) + (1) (25)
= 76.25

V11 = (1) (25) + (0.25) (30) + (0.5) (20) + (1) (25)
= 67.5

V12 = (1) (25) + (0.25) (30) + (0.5) (20) + (1) (25)
= 67.5

V13 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V14 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V15 = (1) (25) + (0.5) (30) + (0.5) (20) + (0.5) (25)
= 62.5

V16 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V17 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V18 = (1) (25) + (0.25) (30) + (0.25) (20) + (0.5) (25)
= 50

V19 = (1) (25) + (0.25) (30) + (0.25) (20) + (0.5) (25)

= 50

V20 = (0.75) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 56.25

V21 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V22 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V23 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V24 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V25 = (1) (25) + (0.75) (30) + (0.5) (20) + (0.333333) (25)
= 65.83

V26 = (1) (25) + (0.5) (30) + (0.5) (20) + (1) (25)
= 75

V27 = (1) (25) + (0.5) (30) + (0.5) (20) + (0.5) (25)
= 62.5

V28 = (1) (25) + (0.25) (30) + (0.5) (20) + (1) (25)
= 67.5

V29 = (1) (25) + (0.25) (30) + (0.5) (20) + (1) (25)
= 67.5

V30 = (0.75) (25) + (0.25) (30) + (0.25) (20) + (0.5) (25)
= 43.75

V31 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V32 = (1) (25) + (0.25) (30) + (0.75) (20) + (1) (25)
= 72.5

V33 = (1) (25) + (0.5) (30) + (0.75) (20) + (1) (25)
= 80

V34 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)

= 62.5

V35 = (1) (25) + (0.75) (30) + (0.25) (20) + (1) (25)
= 77.5

V36 = (1) (25) + (0.25) (30) + (0.75) (20) + (1) (25)
= 72.5

V37 = (1) (25) + (0.25) (30) + (0.75) (20) + (1) (25)
= 72.5

V38 = (1) (25) + (0.5) (30) + (0.5) (20) + (1) (25)
= 75

V39 = (1) (25) + (1) (30) + (1) (20) + (1) (25)
= 100

V40 = (0.75) (25) + (0.25) (30) + (0.5) (20) + (1) (25)
= 61.25

V41 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V42 = (1) (25) + (0.25) (30) + (0.25) (20) + (0.5) (25)
= 50

V43 = (1) (25) + (0.25) (30) + (0.25) (20) + (1) (25)
= 62.5

V44 = (1) (25) + (0.75) (30) + (0.75) (20) + (1) (25)
= 87.5

V45 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V46 = (1) (25) + (0.5) (30) + (0.5) (20) + (1) (25)
= 75

V47 = (1) (25) + (0.25) (30) + (0.75) (20) + (0.5) (25)
= 60

V48 = (1) (25) + (0.5) (30) + (0.25) (20) + (1) (25)
= 70

V49 = (1) (25) + (0.5) (30) + (0.75) (20) + (0.5) (25)
= 67.5

V50 = (0.75) (25) + (0.5) (30) + (0.75) (20) + (0.5) (25)
= 61.25

Tabel 3.8 Hasil Perhitungan Vi

NO	Alternatif	Hasil Perhitungan
1	**V1**	62,5
2	**V2**	62,5
3	**V3**	70
4	**V4**	70
5	**V5**	70
6	**V6**	62,5
7	**V7**	50
8	**V8**	65,833
9	**V9**	82,5
10	**V10**	76,25
11	**V11**	67,5
12	**V12**	67,5
13	**V13**	62,5
14	**V14**	62,5
15	**V15**	62,5

16	**V16**	70
17	**V17**	62,5
18	**V18**	50
19	**V19**	50
20	**V20**	56,25
21	**V21**	62,5
22	**V22**	62,5
23	**V23**	70
24	**V24**	62,5
25	**V25**	65,833
26	**V26**	75
27	**V27**	62,5
28	**V28**	67,5
29	**V29**	67,5
30	**V30**	43,75
31	**V31**	62,5
32	**V32**	72,5
33	**V33**	80
34	**V34**	62,5
35	**V35**	77,5
36	**V36**	72,5
37	**V37**	72,5

38	**V38**	75
39	**V39**	100
40	**V40**	61,25
41	**V41**	62,5
42	**V42**	50
43	**V43**	62,5
44	**V44**	87,5
45	**V45**	70
46	**V46**	75
47	**V47**	60
48	**V48**	70
49	**V49**	67,5
50	**V50**	61,25

Hasil dari perhitungan diatas penulisan dapat menyimpulkan hasil dengan perangkingan nilai Vi dari nilai ternormalisasi (R) dengan nilai bobot (W), sehingga di dapat alternatif terbaik untuk penerimaan calon pegawai baru di PT. XYZ.

Tabel 3.9 Perangkingan

Alternatif	Perangkingan
V39 DEWA ZALNANDO	Ranking 1
V44 CONAN EDOGAWA	Ranking 2
V9 AYU PUJI ASTUTI	Ranking 3
V33 ISTI SOLIHATUN	Ranking 4
V35 SAKTIAWAN WIJIANTO	Ranking 5
V10 BUDI SUSILO JATMOKO	Ranking 6

V26 RIKA RAHMAWATI	Ranking 7
V38 APIT APIASYAH	Ranking 8
V46 IWAN KURNIAWAN	Ranking 9
V32 M. ROBY SUGARA	Ranking 10
V36 RAHMAT HIDAYAT	Ranking 11
V37 TAUFIK HIDAYATULAH	Ranking 12
V3 AHMAD SOLIHIN	Ranking 13
V4 AJENG VIDIA LESTARI	Ranking 14
V5 ANISA WULANDARI	Ranking 15
V16 CITRA LESTARI	Ranking 16
V23 DIAH SYABILA RAMADHAN	Ranking 17
V45 ADAN SAPUTRA	Ranking 18
V48 DADANG SUTARMAN	Ranking 19
V11 BAMBANG SULAIMAN	Ranking 20
V12 BIMA NUGRAHA	Ranking 21
V28 ARDHY NOVISKA	Ranking 22
V29 SULHAN KURNIAWAN	Ranking 23
V40 RAHMA AZZAHRA	Ranking 24
V49 DEBIT NUGRAHA	Ranking 25
V8 ANANDA SAILLA	Ranking 26
V25 RINI WULANDARI	Ranking 27
V1 ABDUL GHOFUR	Ranking 28
V2 ABDUL GHANDI	Ranking 29
V6 ATTA MANDELA	Ranking 30
V13 BAIHAQI FADILLAH	Ranking 31
V14 BADRUS DHAMA	Ranking 32
V15 CLARA AILAWATI	Ranking 33
V17 CHAERUL ALFIAN	Ranking 34
V21 DIKI RIZALDI FAUZAN	Ranking 35
V22 RAISAH MELATI	Ranking 36
V24 TAHER MAHENDRA	Ranking 37
V27 HELIANI HARIANI	Ranking 38
V31 RISKI SETIAWAN	Ranking 39
V34 UMAR ALFARUK	Ranking 40
V41 MARISA ISTIANI	Ranking 41
V43 AMAURA WULANDARI	Ranking 42
V50 HAYUN MAULANA	Ranking 43
V47 M. ALDI SAPUTRA	Ranking 44

V20 DANANG RATMUNDO	Ranking 45
V7 ARIF MAFRUDIN	Ranking 46
V18 DITA MONIKA. R	Ranking 47
V19 DEDI MULYADI SETIAWAN	Ranking 48
V42 FADLAN RAMADHAN	Ranking 49
V30 LAZUARDI IMAM	Ranking 50