# lampiran a

### Pengujian *Mean Absolute Error* (MAE)

#### Tabel Pengujian MAE

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| Perlakuan 1 (sehat, 5 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating | 3 | 4.498 | 2 | 2.664 |
| 13 | 4.494 | 1 |
| 14 | 4.329 | 1 |
| 4 | 4 | 2 |
| 5 | 4 | 2 |
| C2 – 10 rating | 11 | 2 | 2 | 1 |
| 25 | 2 | 2 |
| 26 | 2 | 3 |
| 27 | 2 | 5 |
| 28 | 2 | 3 |
| C3 – 10 rating | 7 | 2 | 2 | 0.699 |
| 8 | 2 | 2 |
| 9 | 1.501 | 5 |
| 1 | 1 | 1 |
| 2 | 1 | 1 |
| C4 – 8 rating | 2 | 5 | 3 | 1 |
| 3 | 5 | 5 |
| 5 | 5 | 2 |
| 4 | 4.0028 | 4 |
| 1 | 3 | 3 |

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| Perlakuan 2 (sehat, 10 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating | 3 | 4.201 | 2 | 1.679 |
| 9 | 4.199 | 3 |
| 16 | 4 | 3 |
| 20 | 4 | 1 |
| 2 | 3.997 | 3 |
| C2 – 10 rating | 13 | 3 | 3 | 0.599 |
| 1 | 2.999 | 1 |
| 12 | 2.994 | 3 |
| 29 | 2.993 | 2 |
| 2 | 2 | 2 |
| C3 – 10 rating | 7 | 1.504 | 2 | 1.532 |
| 8 | 1.504 | 2 |
| 6 | 1.499 | 4 |
| 11 | 1.495 | 2 |
| 9 | 1.335 | 5 |
| C4 – 8 rating | 3 | 4.503 | 5 | 0.868 |
| 5 | 4.502 | 2 |
| 2 | 4.339 | 3 |
| 4 | 4.001 | 4 |
| 1 | 3 | 3 |

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| Perlakuan 3 (sehat, 15 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating | 3 | 4.002 | 2 | 1.346 |
| 8 | 3.998 | 5 |
| 10 | 3.997 | 3 |
| 7 | 3.875 | 3 |
| 5 | 3.856 | 2 |
| C2 – 10 rating | 13 | 3 | 3 | 0.467 |
| 4 | 3 | 3 |
| 1 | 2.669 | 1 |
| 12 | 2.667 | 3 |
| 14 | 2.666 | 3 |
| C3 – 10 rating | 7 | 1.504 | 2 | 1.331 |
| 8 | 1.504 | 2 |
| 5 | 1.5 | 3 |
| 11 | 1.495 | 2 |
| 9 | 1.335 | 5 |
| C4 – 8 rating | 2 | 4.255 | 3 | 1.001 |
| 3 | 4.252 | 5 |
| 5 | 4.01 | 2 |
| 4 | 4.001 | 4 |
| 1 | 3.991 | 3 |

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| Perlakuan 4 (sehat, 19 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating | 11 | 2.951 | 2 | 1.038 |
| 18 | 2.939 | 3 |
| 8 | 2.939 | 5 |
| 7 | 2.939 | 3 |
| 6 | 2.939 | 5 |
| C2 – 10 rating | 12 | 2.604 | 3 | 0.679 |
| 1 | 2.603 | 1 |
| 4 | 2.602 | 3 |
| 13 | 2.6 | 3 |
| 16 | 2.6 | 2 |
| C3 – 10 rating | 6 | 1.305 | 4 | 1.295 |
| 11 | 1.304 | 2 |
| 7 | 1.304 | 2 |
| 8 | 1.304 | 2 |
| 5 | 1.304 | 3 |
| C4 – 8 rating | 5 | 3.893 | 2 | 0.977 |
| 2 | 3.886 | 3 |
| 3 | 3.882 | 5 |
| 4 | 3.873 | 4 |
| 1 | 3.865 | 3 |

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| Perlakuan 5 (sakit, 5 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating - Hipertensi | 7 | 4 | 3 | 1.599 |
| 12 | 4 | 1 |
| 16 | 4 | 3 |
| 19 | 3.668 | 4 |
| 17 | 3.663 | 1 |
| C2 – 10 rating - Jantung | 11 | 2 | 2 | 1.2 |
| 25 | 2 | 2 |
| 28 | 2 | 3 |
| 7 | 0 | 2 |
| 12 | 0 | 3 |
| C3 – 10 rating - Diabetes | 7 | 2 | 2 | 0.899 |
| 9 | 1.501 | 5 |
| 1 | 1 | 1 |
| 2 | 1 | 1 |
| 11 | 1 | 2 |
| C4 – 8 rating - Hipertensi | 15 | 0 | 1 | 1.6 |
| 16 | 0 | 1 |
| 17 | 0 | 2 |
| 19 | 0 | 2 |
| 20 | 0 | 2 |

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| Perlakuan 6 (sakit, 10 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating - Hipertensi | 16 | 4 | 3 | 1.56 |
| 20 | 4 | 1 |
| 19 | 3.874 | 4 |
| 17 | 3.873 | 1 |
| 7 | 3.801 | 3 |
| C2 – 10 rating - Jantung | 12 | 2.994 | 3 | 0.201 |
| 7 | 2 | 2 |
| 11 | 2 | 2 |
| 15 | 2 | 2 |
| 17 | 2 | 3 |
| C3 – 10 rating - Diabetes | 7 | 1.505 | 2 | 1.316 |
| 11 | 1.495 | 2 |
| 9 | 1.335 | 5 |
| 3 | 1.333 | 3 |
| 14 | 1.248 | 1 |
| C4 – 8 rating - Hipertensi | 15 | 0 | 1 | 1.6 |
| 16 | 0 | 1 |
| 17 | 0 | 2 |
| 19 | 0 | 2 |
| 20 | 0 | 2 |

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| Perlakuan 7 (sakit, 15 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating - Hipertensi | 7 | 3.875 | 3 | 1.237 |
| 11 | 3.828 | 2 |
| 19 | 3.669 | 4 |
| 16 | 3.603 | 3 |
| 17 | 3.549 | 1 |
| C2 – 10 rating - Jantung | 12 | 2.667 | 3 | 0.266 |
| 7 | 2 | 2 |
| 11 | 2 | 2 |
| 15 | 2 | 2 |
| 17 | 2 | 3 |
| C3 – 10 rating - Diabetes | 7 | 1.505 | 2 | 1.566 |
| 5 | 1.5 | 3 |
| 11 | 1.495 | 2 |
| 9 | 1.335 | 5 |
| 3 | 1.333 | 3 |
| C4 – 8 rating - Hipertensi | 15 | 0 | 1 | 1.6 |
| 16 | 0 | 1 |
| 17 | 0 | 2 |
| 19 | 0 | 2 |
| 20 | 0 | 2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Perlakuan 8 (sakit, 19 produk yang paling serupa) | | | | |
| Pengguna | Recipe\_id | Prediksi | Rating | MAE |
| C1 - 23 rating - Hipertensi | 11 | 2.951 | 2 | 1.186 |
| 7 | 2.939 | 3 |
| 19 | 2.937 | 4 |
| 17 | 2.935 | 1 |
| 20 | 2.593 | 1 |
| C2 – 10 rating - Jantung | 12 | 2.604 | 3 | 0.918 |
| 16 | 2.6 | 2 |
| 19 | 2.597 | 4 |
| 20 | 2.597 | 1 |
| 11 | 2.596 | 2 |
| C3 – 10 rating - Diabetes | 11 | 1.305 | 2 | 1.417 |
| 7 | 1.305 | 2 |
| 5 | 1.304 | 3 |
| 2 | 1.303 | 1 |
| 9 | 1.303 | 5 |
| C4 – 8 rating - Hipertensi | 15 | 0 | 1 | 1.6 |
| 16 | 0 | 1 |
| 17 | 0 | 2 |
| 19 | 0 | 2 |
| 20 | 0 | 2 |

#### Grafik Pengujian MAE

### Kesesuaian Rekomendasi Terhadap Selera Pengguna

#### Tabel Pengujian Kesesuaian Rekomendasi

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 1 (sehat, 5 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating | 3 | 2 | 0 |
| 13 | 1 |
| 14 | 1 |
| 4 | 2 |
| 5 | 2 |
| C2 - 10 rating | 11 | 2 | 0.6 |
| 25 | 2 |
| 26 | 3 |
| 27 | 5 |
| 28 | 3 |
| C3 - 10 rating | 7 | 2 | 0.2 |
| 8 | 2 |
| 9 | 5 |
| 1 | 1 |
| 2 | 1 |
| C4 - 8 rating | 2 | 3 | 0.8 |
| 3 | 5 |
| 5 | 2 |
| 4 | 4 |
| 1 | 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 2 (sehat, 10 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating | 3 | 2 | 0.6 |
| 9 | 3 |
| 16 | 3 |
| 20 | 1 |
| 2 | 3 |
| C2 - 10 rating | 13 | 3 | 0.4 |
| 1 | 1 |
| 12 | 3 |
| 29 | 2 |
| 2 | 2 |
| C3 - 10 rating | 7 | 2 | 0.4 |
| 8 | 2 |
| 6 | 4 |
| 11 | 2 |
| 9 | 5 |
| C4 - 8 rating | 3 | 5 | 0.8 |
| 5 | 2 |
| 2 | 3 |
| 4 | 4 |
| 1 | 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 3 (sehat, 15 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating | 3 | 2 | 0.6 |
| 8 | 5 |
| 10 | 3 |
| 7 | 3 |
| 5 | 2 |
| C2 - 10 rating | 13 | 3 | 0.8 |
| 4 | 3 |
| 1 | 1 |
| 12 | 3 |
| 14 | 3 |
| C3 - 10 rating | 7 | 2 | 0.4 |
| 8 | 2 |
| 5 | 3 |
| 11 | 2 |
| 9 | 5 |
| C4 - 8 rating | 2 | 3 | 0.8 |
| 3 | 5 |
| 5 | 2 |
| 4 | 4 |
| 1 | 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 4 (sehat, 19 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating | 11 | 2 | 0.8 |
| 18 | 3 |
| 8 | 5 |
| 7 | 3 |
| 6 | 5 |
| C2 - 10 rating | 12 | 3 | 0.6 |
| 1 | 1 |
| 4 | 3 |
| 13 | 3 |
| 16 | 2 |
| C3 - 10 rating | 6 | 4 | 0.4 |
| 11 | 2 |
| 7 | 2 |
| 8 | 2 |
| 5 | 3 |
| C4 - 8 rating | 5 | 2 | 0.8 |
| 2 | 3 |
| 3 | 5 |
| 4 | 4 |
| 1 | 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 5 (sakit, 5 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating - Hipertensi | 7 | 3 | 0.6 |
| 12 | 1 |
| 16 | 3 |
| 19 | 4 |
| 17 | 1 |
| C2 - 10 rating- Jantung | 11 | 2 | 0.4 |
| 25 | 2 |
| 28 | 3 |
| 7 | 2 |
| 12 | 3 |
| C3 - 10 rating - Diabetes | 7 | 2 | 0.2 |
| 9 | 5 |
| 1 | 1 |
| 2 | 1 |
| 11 | 2 |
| C4 - 8 rating - Hipertensi | 15 | 1 | 0 |
| 16 | 1 |
| 17 | 2 |
| 19 | 2 |
| 20 | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 6 (sakit, 10 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating - Hipertensi | 16 | 3 | 0.6 |
| 20 | 1 |
| 19 | 4 |
| 17 | 1 |
| 7 | 3 |
| C2 - 10 rating- Jantung | 12 | 3 | 0.4 |
| 7 | 2 |
| 11 | 2 |
| 15 | 2 |
| 17 | 3 |
| C3 - 10 rating - Diabetes | 7 | 2 | 0.4 |
| 11 | 2 |
| 9 | 5 |
| 3 | 3 |
| 14 | 1 |
| C4 - 8 rating - Hipertensi | 15 | 1 | 0 |
| 16 | 1 |
| 17 | 2 |
| 19 | 2 |
| 20 | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 7 (sakit, 15 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating - Hipertensi | 7 | 3 | 0.6 |
| 11 | 2 |
| 19 | 4 |
| 16 | 3 |
| 17 | 1 |
| C2 - 10 rating- Jantung | 12 | 3 | 0.4 |
| 7 | 2 |
| 11 | 2 |
| 15 | 2 |
| 17 | 3 |
| C3 - 10 rating - Diabetes | 7 | 2 | 0.6 |
| 5 | 3 |
| 11 | 2 |
| 9 | 5 |
| 3 | 3 |
| C4 - 8 rating - Hipertensi | 15 | 1 | 0 |
| 16 | 1 |
| 17 | 2 |
| 19 | 2 |
| 20 | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| Perlakuan 8 (sakit, 19 produk yang paling serupa) | | | |
| Pengguna | Recipe\_id | Rating | Kesesuaian |
| C1 - 23 rating - Hipertensi | 11 | 2 | 0.4 |
| 7 | 3 |
| 19 | 4 |
| 17 | 1 |
| 20 | 1 |
| C2 - 10 rating- Jantung | 12 | 3 | 0.4 |
| 16 | 2 |
| 19 | 4 |
| 20 | 1 |
| 11 | 2 |
| C3 - 10 rating - Diabetes | 11 | 2 | 0.4 |
| 7 | 2 |
| 5 | 3 |
| 2 | 1 |
| 9 | 5 |
| C4 - 8 rating - Hipertensi | 15 | 1 | 0 |
| 16 | 1 |
| 17 | 2 |
| 19 | 2 |
| 20 | 2 |

#### Grafik Pengujian Kesesuaian Rekomendasi