

## DAFTAR PUSTAKA

- Amir, A., Sukarno, T. D., & Rahmawati, F. (2020). Identifikasi Potensi dan Status Pengembangan Desa Wisata di Kabupaten Lombok Tengah, Nusa Tenggara Barat. *Journal of Regional and Rural Development Planning*, 4(2), 84–98. <https://doi.org/10.29244/jp2wd.2020.4.2.84-98>
- Cui, G., Luo, J., & Wang, X. (2018). Personalized travel route recommendation using collaborative filtering based on GPS trajectories. *International Journal of Digital Earth*, 11(3), 284–307. <https://doi.org/10.1080/17538947.2017.1326535>
- Devi Nurhayati, S., & Widayani, W. (2021). Sistem Rekomendasi Wisata Kuliner di Yogyakarta dengan Metode Item-Based Collaborative Filtering Yogyakarta Culinary Recommendation System with Item-Based Collaborative Filtering Method. *JACIS : Journal Automation Computer Information System*, 1(2), 55–63. <https://manganenakyog.my.id/>,
- Faroqi, H., Mesbah, M., & Kim, J. (2020). Investigating the Correlation between Activity Similarity and Trip Similarity of Public Transit Passengers Using Smart Card Data. *Transportation Research Procedia*, 48, 2621–2637. <https://doi.org/10.1016/j.trpro.2020.08.249>
- Fitriyaningsih, I., Situmorang, C., Siagian, G., & Sinaga, W. S. (2021). Prototype Sistem Informasi Pariwisata Toba Prototype Sistem Informasi Pariwisata Toba dengan Rekomendasi menggunakan Item Based Collaborative Filtering Sejarah penerimaan. *Journal Automation Computer Information System*, 1(2), 55–63.
- Giuliano, G., Fang, J., Binder, R. B., Ha, J., & Holmes, A. (2022). *Travel Behavior in E-commerce: Shopping, Purchasing, and Receiving*. <https://doi.org/10.7922/G2377723>

- Harahap, N. (2020). *Metodologi Penelitian Kualitatif*. <http://repository.uinsu.ac.id/9105/1/BUKU%20METODOLOGI%20PENELITIAN%20KUALITATIF%20DR.%20NURSAPIA%20HARAHAP%2C%20M.HUM.pdf>
- He, S. (2022). Research on Tourism Route Recommendation Strategy Based on Convolutional Neural Network and Collaborative Filtering Algorithm. *Security and Communication Networks*, 2022. <https://doi.org/10.1155/2022/4659567>
- Ibrahim, R., & Susanti, S. (2021). Sistem Informasi Tour Dan Travel Berbasis Website Pada PT. Amada Destinasi Nusantara. *POTENSI*, 2(1), 20–25. <https://doi.org/https://doi.org/10.33173/jsikti.25>
- Isnaini, Y. (2020). Pelatihan Sistem Informasi Potensi Wisata Pada Desa Bengkaung Kec. Gunungsari Kab. Lombok Barat. *PENGABDIAN ADMINISTRASI PUBLIK (JP-PUBLIK)*, 2(1), 21–24.
- Lin, K., Yang, S., & Na, S. G. (2022). Collaborative Filtering Algorithm-Based Destination Recommendation and Marketing Model for Tourism Scenic Spots. *Computational Intelligence and Neuroscience*, 2022. <https://doi.org/10.1155/2022/7115627>
- Lourenco, J., & Varde, A. S. (2020). Item-Based Collaborative Filtering and Association Rules for a Baseline Recommender in E-Commerce. *Proceedings - 2020 IEEE International Conference on Big Data, Big Data 2020*, 4636–4645. <https://doi.org/10.1109/BigData50022.2020.9377807>
- Prasetyo, B., Haryanto, H., Astuti, S., Astuti, E. Z., & Rahayu, Y. (2019). Implementasi Metode Item-Based Collaborative Filtering dalam Pemberian Rekomendasi Calon Pembeli Aksesoris Smartphone. *Eksplora Informatika*, 9(1), 17–27. <https://doi.org/10.30864/eksplora.v9i1.244>
- Setiawan, Y., Nurwanto, A., & Erlansari, A. (2019). Implementasi Item Based Collaborative Filtering Dalam Pemberian Rekomendasi Agenda Wisata

Berbasis Android. *Jurnal Pseudocode*, 6(1), 13–20.  
[www.ejournal.unib.ac.id/index.php/pseudocode](http://www.ejournal.unib.ac.id/index.php/pseudocode)

Sutanto, H., & Kunci, K. (2022). Analisis Pemberdayaan Masyarakat Dalam Pengembangan Pariwisata Kuta Mandalika Analysis of Community Empowerment in Tourism Development in Kuta Mandalika. *Ekonomi Pembangunan*, 4(1), 8–13.

Tewari, A. S. (2020). Generating Items Recommendations by Fusing Content and User-Item based Collaborative Filtering. *Procedia Computer Science*, 167, 1934–1940. <https://doi.org/10.1016/j.procs.2020.03.215>

Wayan Priscila Yuni Praditya, N., Erna Permanasari, A., & Hidayah, I. (2021). Literature Review Recommendation System Using Hybrid Method (Collaborative Filtering & Content-Based Filtering) by Utilizing Social Media as Marketing. *Computer Engineering and Applications*, 10(2).

Wiyanto, W., Fadhilah, S., Siswandi, A., Informatika, T., Pelita Bangsa, U., & Id, W. A. (2022). E-Tourism Sebagai Media Informasi Wisata Kabupaten Bekasi Berbasis Website. *Journal of Practical Computer Science*, 2(1).

Yue, W., Wang, Z., Liu, W., Tian, B., Lauria, S., & Liu, X. (2021). An optimally weighted user- and item-based collaborative filtering approach to predicting baseline data for Friedreich's Ataxia patients. *Neurocomputing*, 419, 287–294. <https://doi.org/10.1016/j.neucom.2020.08.031>

## LAMPIRAN

### Lampiran uji validasi perhitungan similarity

▲ \$predictionClass->similarities->similarities array (5)

Table (5) Contents (5)

▲ 20101 => array (4)

▼ product => stdClass (2)

▲ compares => array (5)

Table (5) Contents (5)

▲ 20101 => array (2)

▼ product => stdClass (2)

▲ similarity => stdClass (6)

Properties (6)

- public denominator -> double 21.2
- public denominator\_1 -> double 4.6043457732885
- public denominator\_2 -> double 4.6043457732885
- public numerator -> double 21.2
- public similiarity -> double 1
- public similiarity\_absolute -> double 1

▲ 20102 => array (2)

▼ product => stdClass (2)

▲ similarity => stdClass (6)

Properties (6)

- public denominator -> double 12.354756169184
- public denominator\_1 -> double 4.6043457732885
- public denominator\_2 -> double 2.6832815729997
- public numerator -> double 4.8
- public similiarity -> double 0.38851434494291
- public similiarity\_absolute -> double 0.38851434494291

▲ 20103 => array (2)


▼ product => stdClass (2)

▲ similarity => stdClass (6)

Properties (6)

- public denominator -> double 21.2
- public denominator\_1 -> double 4.6043457732885
- public denominator\_2 -> double 4.6043457732885
- public numerator -> double -13.8
- public similiarity -> double -0.65094339622642
- public similiarity\_absolute -> double 0.65094339622642





```
▲ 20104 => array (2)
  ▼ product => stdClass (2)
  ▲ similiarity => stdClass (6)
    Properties (6)
      public denominator -> double 12.354756169184
      public denominator_1 -> double 4.6043457732885
      public denominator_2 -> double 2.6832815729997
      public numerator -> double -7.2
      public similiarity -> double -0.58277151741436
      public similiarity_absolute -> double 0.58277151741436

▲ 20105 => array (2)
  ▼ product => stdClass (2)
  ▲ similiarity => stdClass (6)
    Properties (6)
      public denominator -> double 20.17523234067
      public denominator_1 -> double 4.6043457732885
      public denominator_2 -> double 4.3817804600413
      public numerator -> double 7.2
      public similiarity -> double 0.35687321357316
      public similiarity_absolute -> double 0.35687321357316
  similiarity_sum => double 0.5116726448753
  similiarity_absolute_sum => double 2.9791024721568

▼ 20102 => array (4)
▼ 20103 => array (4)
▼ 20104 => array (4)
▼ 20105 => array (4)

▼ Called from .../app/Views/home/formula.php:32 [dd()]
```

## Lampiran 2 Uji Validasi perhitungan prediksi

▲ \$predictionClass->predictions->predictions array (5)

Table (5) Contents (5)

▲ 20101 => array (2)

▼ product => stdClass (2)

▲ users => array (5)

Table (5) Contents (5)

▲ 10101 => array (3)

▼ product => stdClass (2)

▲ user => stdClass (2)

Properties (2)

public id -> string (5) "10101"

public name -> string (5) "usera"

▲ prediction => stdClass (4)

Properties (4)

public denominator -> double 2.9791024721568

public numerator -> double -2.1030145925359

public prediction -> double 1.6940777928282

public rating\_avg -> double 2.4

▲ 10102 => array (3)

▼ product => stdClass (2)

▲ user => stdClass (2)

Properties (2)

public id -> string (5) "10102"

public name -> string (5) "userb"

▲ prediction => stdClass (4)

Properties (4)

public denominator -> double 2.9791024721568

public numerator -> double -1.8323942392814

public prediction -> double 1.7849173513139

public rating\_avg -> double 2.4

▲ 10103 => array (3)

▼ product => stdClass (2)

▲ user => stdClass (2)

Properties (2)

public id -> string (5) "10103"

public name -> string (5) "userc"

▲ prediction => stdClass (4)

Properties (4)

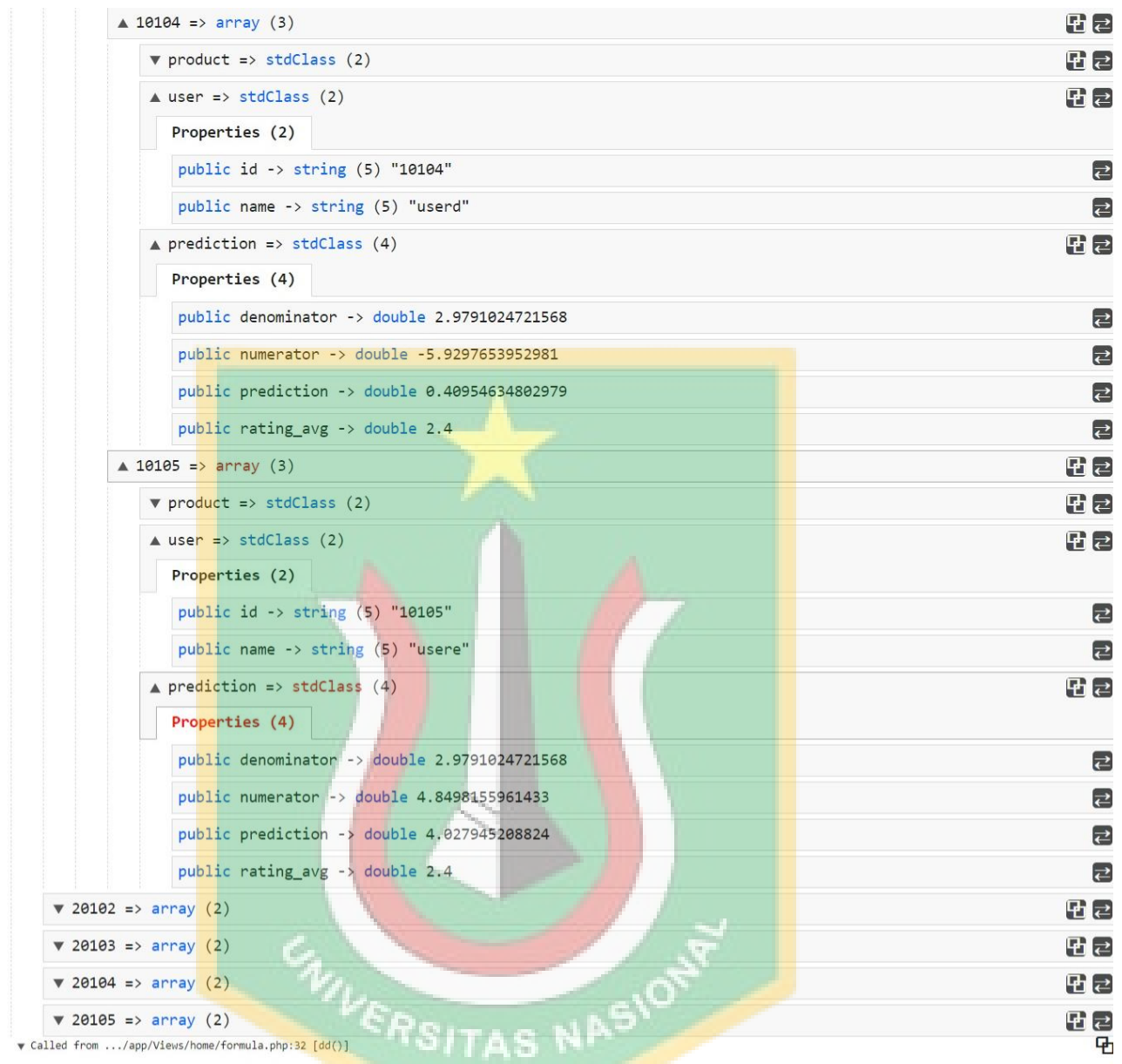
public denominator -> double 2.9791024721568

public numerator -> double 5.015358630972

public prediction -> double 4.0835132990041

public rating\_avg -> double 2.4



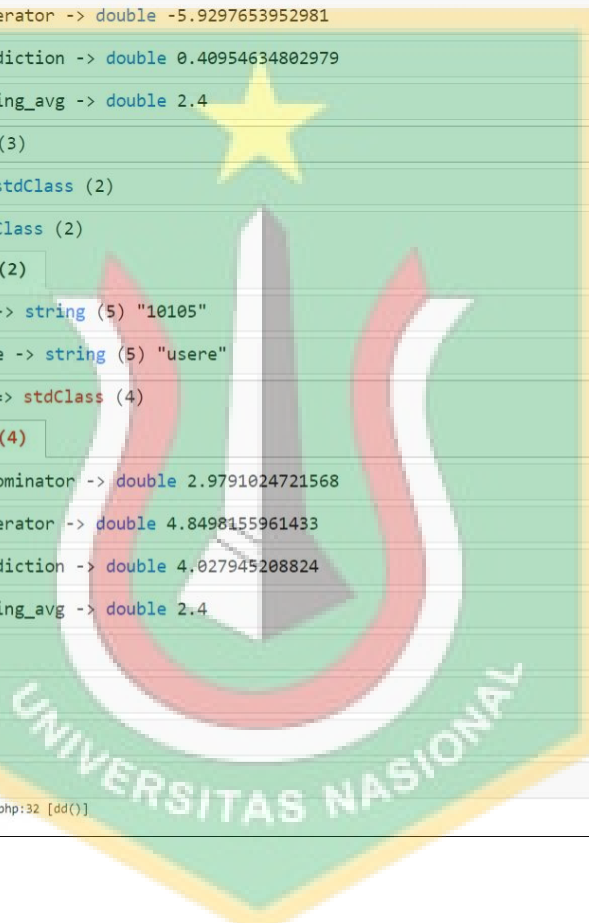


```
▲ 10104 => array (3)
  ▼ product => stdClass (2)
  ▲ user => stdClass (2)
    Properties (2)
    public id -> string (5) "10104"
    public name -> string (5) "userd"
  ▲ prediction => stdClass (4)
    Properties (4)
    public denominator -> double 2.9791024721568
    public numerator -> double -5.9297653952981
    public prediction -> double 0.40954634802979
    public rating_avg -> double 2.4

▲ 10105 => array (3)
  ▼ product => stdClass (2)
  ▲ user => stdClass (2)
    Properties (2)
    public id -> string (5) "10105"
    public name -> string (5) "usere"
  ▲ prediction => stdClass (4)
    Properties (4)
    public denominator -> double 2.9791024721568
    public numerator -> double 4.8498155961433
    public prediction -> double 4.027945208824
    public rating_avg -> double 2.4

▼ 20102 => array (2)
▼ 20103 => array (2)
▼ 20104 => array (2)
▼ 20105 => array (2)
```

▼ Called from .../app/Views/home/formula.php:32 [dd()]



## Lampiran 3

▲ \$predictionClass->maes->maes array (5)

Table (5) Contents (5)

	users	product	sum	count	avg
20101	array (5)	stdClass (2)	4.3742748797242	5	0.87485497594484
20102	array (5)	stdClass (2)	3.5660515062518	5	0.71321030125036
20103	array (5)	stdClass (2)	3.3487284378968	5	0.66974568757936
20104	array (5)	stdClass (2)	3.728411816635	5	0.745682363327
20105	array (5)	stdClass (2)	3.2754631643449	5	0.65509263286898

▼ Called from .../app/Views/home/formula-mae.php:3 [dd()]

▲ \$predictionClass->maes->maes array (5)

Table (5) Contents (5)

▲ 20101 => array (5)

- ▼ users => array (5)
- ▼ product => stdClass (2)
- sum => double 4.3742748797242
- count => integer 5
- avg => double 0.87485497594484

▲ 20102 => array (5)

- ▼ users => array (5)
- ▼ product => stdClass (2)
- sum => double 3.5660515062518
- count => integer 5
- avg => double 0.71321030125036

▲ 20103 => array (5)

- ▼ users => array (5)
- ▼ product => stdClass (2)
- sum => double 3.3487284378968
- count => integer 5
- avg => double 0.66974568757936

▲ 20104 => array (5)

- ▼ users => array (5)
- ▼ product => stdClass (2)
- sum => double 3.728411816635
- count => integer 5
- avg => double 0.745682363327

▲ 20105 => array (5)

- ▼ users => array (5)
- ▼ product => stdClass (2)
- sum => double 3.2754631643449
- count => integer 5
- avg => double 0.65509263286898

▼ Called from .../app/Views/home/formula-mae.php:3 [dd()]



## Lampiran 4



## Lampiran 5

## Tutnitiin skripsi Retno

## ORIGINALITY REPORT

24%

SIMILARITY INDEX

23%

INTERNET SOURCES

12%

PUBLICATIONS

11%

STUDENT PAPERS

## PRIMARY SOURCES

1	1 library.net Internet Source	2%
2	repository.usd.ac.id Internet Source	1%
3	text-id.123dok.com Internet Source	1%
4	Submitted to Universitas Gunadarma Student Paper	1%
5	etheses.uin-malang.ac.id Internet Source	1%
6	jacis.pubmedia.id Internet Source	1%
7	Submitted to Universitas Muria Kudus Student Paper	1%
8	digilib.uinsby.ac.id Internet Source	1%
9	123dok.com Internet Source	1%

Lampiran 6

