

BUKTI KORESPONDENSI ARTIKER SINTA 5

Judul : SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOID'S ALGORITHM

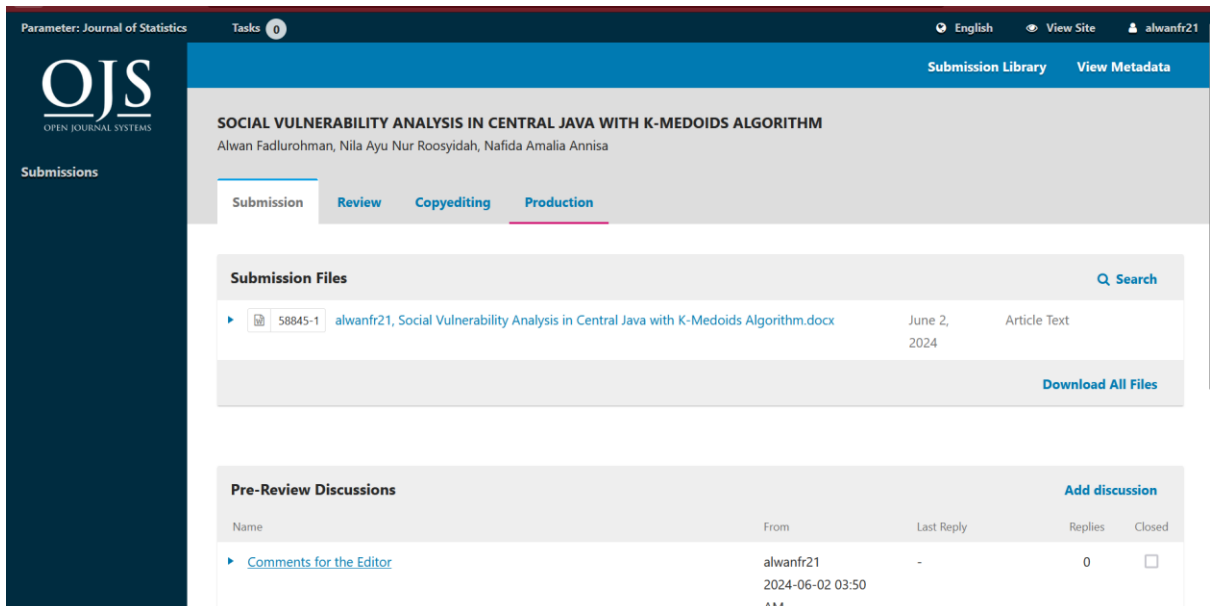
Penulis : Alwan Fadlurohman, Nila Ayu Nur Roosyidah, Nafida Amalia Annisa

Jurnal : Parameter: Journal of Statistics

Link : <https://bestjournal.untad.ac.id/index.php/parameter/article/view/17131>

Bukti korespondensi artikel dengan judul “SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOID'S ALGORITHM” di Jurnal Parameter: Journal of Statistics adalah sebagai berikut:

1. Submit Artikel



The screenshot shows the submission page for the article "SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOID'S ALGORITHM" by Alwan Fadlurohman, Nila Ayu Nur Roosyidah, and Nafida Amalia Annisa. The page is part of the OJS (Open Journal Systems) interface. The submission status is "Production". The submission files section shows a file named "58845-1 alwanfr21, Social Vulnerability Analysis in Central Java with K-Medoids Algorithm.docx" submitted on June 2, 2024. The pre-review discussions section shows a comment from alwanfr21 on 2024-06-02 03:50 AM.

Submission Files				
File ID	File Name	Submitted	Type	Search
58845-1	alwanfr21, Social Vulnerability Analysis in Central Java with K-Medoids Algorithm.docx	June 2, 2024	Article Text	Q Search

Pre-Review Discussions				
Name	From	Last Reply	Replies	Closed
Comments for the Editor	alwanfr21	-	0	<input type="checkbox"/>
	2024-06-02 03:50 AM			

Artikel dengan judul “SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOID'S ALGORITHM” telah di submit di Jurnal Parameter: Journal of Statistics pada tanggal 2 Juni 2024.

2. Proses Review Artikel

Artikel dengan judul “SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOID'S ALGORITHM” telah di review pada tanggal 20 Agustus 2024.

Parameter: Journal of Statistics Tasks 0 English View Site alwanfr21

OJS
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Submissions

Submission Library View Metadata

SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM
Alwan Fadlurohman, Nila Ayu Nur Roosyidah, Nafida Amalia Annisa

Submission Review Copyediting **Production**

Round 1 **Round 2**

Round 1 Status
The submission must be resubmitted for another review round.

Notifications

[parameter] Editor Decision	2024-08-20 08:28 AM
[parameter] Editor Decision	2024-10-22 03:58 AM
[parameter] Editor Decision	2024-10-28 03:15 AM

Notifications ✕

[parameter] Editor Decision

2024-10-28 03:15 AM

Alwan Fadlurohman, Nila Ayu Nur Roosyidah, Nafida Amalia Annisa:

We have reached a decision regarding your submission to Parameter: Journal of Statistics, "SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM".

Our decision is: Revisions Required

junaidi
Department Of Statistics Tadulako University
junaidifzhr@gmail.com

[Parameter: Journal of Statistics](#)

3. Proses Perbaikan Artikel

Artikel dengan judul "SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM" melakukan beberapa perbaikan artikel, mulai dari turnitin hingga penulisan.

Parameter: Journal of Statistics Tasks 1 English View Site alwanfr21

Revisions

Search Upload File

59782-2	Article Text, Revision 17131-Article Text-59782-1-15-20240823.docx (2)	October 22, 2024	Article Text
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Review Discussions

Add discussion

Name	From	Last Reply	Replies	Closed
Revision	alwanfr21 2024-10-22 01:27 PM	-	0	<input type="checkbox"/>
Revision paper round 2	alwanfr21 2024-10-28 04:44 AM	alwanfr21 2024-11-25 04:29 PM	2	<input type="checkbox"/>

4. Penerimaan Artikel

Notifications X

[parameter] Editor Decision

2024-11-26 04:48 AM

Alwan Fadlurohman, Nila Ayu Nur Roosyidah, Nafida Amalia Annisa:

We have reached a decision regarding your submission to Parameter: Journal of Statistics, "SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM".

Our decision is to: Accept Submission

junaidi
Department Of Statistics Tadulako University
junaidifzhr@gmail.com

[Parameter: Journal of Statistics](#)

5. Penerbitan LoA (Letter of Acceptance)

Artikel dengan judul "SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM" diterima di Jurnal Parameter: Journal of Statistics pada tanggal 9 Desember 2024 dan akan terbit pada Vol. 4 No. 2.

Palu, 09 December 2024

LETTER OF ACCEPTANCE

Dear Authors Alwan Fadlurohman, Nila Ayu Nur Roosyidah, Nafida Amalia Annisa

We are pleased to inform you that your manuscript entitled: **SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM** (Article ID: **17131**) has been ACCEPTED for publication in the forthcoming issue (Vol 4 No 2, December 2024) of "Parameter: Journal of Statistics" after successfully passing the review process and revisions made by authors. The manuscript also checked for plagiarism by Turnitin that showed the Similarity Index is acceptable (13%). The authors will also receive the galley proof of the final revision after all the quality control checks and prior to publishing the article.

Thank you for choosing to publish in our journal.

Warm Regards,

Editor In Chief
Parameter: Journal of Statistics



Journal
of Statistics 
Junaidi




6. Penerbitan Artikel

Artikel dengan judul "SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM" di publish dengan link:


<https://bestjournal.untad.ac.id/index.php/parameter/article/view/17131>

Section Articles

SOCIAL VULNERABILITY ANALYSIS IN CENTRAL JAVA WITH K-MEDOIDS ALGORITHM

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Submitted


Jun 2, 2024

Accepted

Nov 26, 2024

Published

Dec 31, 2024

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Abstract

To address the limitations of the Social Vulnerability Index (SoVI) in only providing a general overview without pinpointing areas of social vulnerability, a correlational approach paired with a clustering method can be applied. This approach helps in identifying dominant factors and pinpointing socially vulnerable districts or cities in Central Java. The study employs the K-Medoids algorithm, which is advantageous when dealing with outliers in the dataset. Three different distance measures are considered: Euclidean, Manhattan, and Minkowski distances, to identify the optimal clustering of social vulnerability. The evaluation of the best cluster is conducted using the Davies-Bouldin Index, a metric for validating clustering models by averaging the similarity of each cluster to its most similar counterpart. Findings indicate that using the K-Medoids algorithm with Manhattan distance yields the most effective clustering, resulting in two distinct clusters. Cluster 1, comprising 25 districts/cities, is identified as the most vulnerable to natural disasters and challenges in education, demography, economy, and health. Meanwhile, Cluster 2, encompassing 10 districts/cities, includes urban areas with the highest social vulnerability, notably in the proportion of rental housing.

Keywords

Clustering

Distance

DBI

Manhattan

Social Vulnerability

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