Dear Ass. Prof. Ahmar,

Thank you for submitting your manuscript, The application of k-means grouping to the zoning of provinces in Indonesia from the risk of the COVID-19 pandemic based on COVID-19 data, to Quality & Quantity.

The submission id is: QUQU-D-21-00117
Please refer to this number in any future correspondence.

During the review process, you can keep track of the status of your manuscript by accessing the journal's website.

Your username is: ********
If you forgot your password, you can click the 'Send Login Details' link on the EM Login page at
https://www.editorialmanager.com/ququ/

Should you require any further assistance please feel free to e-mail the Editorial Office by clicking on "Contact Us" in the menu bar at the top of the screen.

In order to expand our reviewer pool, we invite you to update your profile and include your personal area of expertise. You may also let us know how many articles you would be willing to review on an annual basis. This information can be included in the profile and we will avoid sending you too many requests.

Please note that there is a direct link through EM with Orcid (https://orcid.org/), in this way all your activities will immediately be linked to your own account which is beneficial for your CV.

With kind regards,
Springer Journals Editorial Office
Quality & Quantity

Now that your article will undergo the editorial and peer review process, it is the right time to think about publishing your article as open access. With open access your article will become freely available to anyone worldwide and you will easily comply with open access mandates. Springer's open access offering for this journal is called Open Choice (find more information on www.springer.com/openchoice). Once your article is accepted, you will be offered the option to publish through open access. So you might want to talk to your institution and funder now to see how payment could be organized; for an overview of available open access funding please go to www.springer.com/oafunding.
Although for now you don't have to do anything, we would like to let you know about your upcoming options.

**Our flexible approach during the COVID-19 pandemic**

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

Dear Ass. Prof. Ahmar,

We are pleased to inform you that your submission The application of k-means grouping to the zoning of provinces in Indonesia from the risk of the COVID-19 pandemic based on COVID-19 data has been accepted for publication in Quality & Quantity.

However, before your paper can be forwarded to our Production Department, you are requested to make the corrections as suggested by Han Woo Park, Ph.D.

In order to submit your corrected manuscript, please access the following web site:

https://www.editorialmanager.com/ququ/

Please make sure to submit your editable source files (i.e. Word, tex).

We look forward to receiving your final version of your manuscript.

With kind regards,

Prof. Han Woo Park, YeungNam University, Republic of Korea
Editor in Chief
Quality & Quantity

Comments for the Author:

Reviewer #1: The authors present a method to grouping province in Indonesia using COVID-19 data. They use K-means cluster to grouping.

Introduction: The introduction was well written, but if a little longer than strictly necessary, and provided excellent motivation for the work at hand.
In general, the introduction needs to be added to the previous article that discusses k-means and its results, which can answer how the k-means method can be an option?

Method: The author describes in detail the flow of the research method and data analysis carried out.

Result and Discussion:
In Figure 1, Jakarta becomes the epicenter, the author does not explain why this happened? The author needs to explain whether with the occurrence of this epicentrum, clusters can be done?
The discussion of limitations is poor. They should be expanded, better explaining the limitations and scope of the methodologies used and the results obtained.

Conclusion: Since the conclusion focuses on the possible factors associated with the results obtained, it seems important to me to develop these topics further in the Discussion section.


Reviewer #2: Very well written and clear paper. I have very few comments.
- The introduction is detailed and well referenced but need previous study in reference about the K-means.
- The structure of the paper needs improvement. For instance, I think the background section should come before the literature review section. Moreover, the result and discussion section should deliberate on the findings/results.
- The conclusion still needs improvement. The conclusion is not linked with the aim that was answered. The conclusion slightly mentioned future direction but still needs more elaboration.



********


Please note that this journal is a Transformative Journal (TJ). Authors may publish their research through the traditional subscription access route or make their paper open access through payment of an article-processing charge (APC). Authors will not be required to make a final decision about access to their article until it has been accepted.
Find out more about Transformative Journals

**Our flexible approach during the COVID-19 pandemic**

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at https://www.springernature.com/production-privacy-policy. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

Dear Ass. Prof. Ahmar,

We acknowledge, with thanks, receipt of the revised version of your manuscript, "The Application of K-means Clustering to the Zoning of Provinces in Indonesia from the Risk of the COVID-19 Pandemic Based on COVID-19 Data", submitted to Quality & Quantity

The manuscript number is QUQU-D-21-00117R1.

You may check the status of your manuscript at any time by accessing the journal's website.

Your username is: ********
If you forgot your password, you can click the 'Send Login Details' link on the EM Login page at
https://www.editorialmanager.com/ququ/

We will inform you of the Editor's decision as soon as possible.

Thank you very much.

With kind regards,
Springer Journals Editorial Office
Quality & Quantity

**Our flexible approach during the COVID-19 pandemic**

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at https://www.springernature.com/production-privacy-policy. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

_____

In compliance with data protection regulations, you may request that we remove your personal registration details at any time.  (Use the following URL: https://www.editorialmanager.com/ququ/login.asp?a=r). Please contact the publication office if you have any questions.

Dear Ass. Prof. Ahmar,

We are pleased to inform you that your manuscript, "The Application of K-means Clustering to the Zoning of Provinces in Indonesia from the Risk of the COVID-19 Pandemic Based on COVID-19 Data", has been accepted for publication in Quality & Quantity.

You will be contacted by Author Services in due course with a link to complete the grant of rights. Please note that you will receive your proofs after the publishing agreement has been received through our system.

Please remember to quote the manuscript number, QUQU-D-21-00117R1, whenever inquiring about your manuscript.

In order to expand our reviewers pool, we invite you to update your profile and include your personal area of expertise. You may also let us know how many articles you would be willing to review on an annual basis. This information can be included in the profile and we will avoid sending you too many requests.

Please note that there is a direct link through EM with Orcid (https://orcid.org/), in this way all your activities will immediately be linked to your own account which is beneficial for your CV.

With best regards,

Prof. Han Woo Park, YeungNam University, Republic of Korea
Editor in Chief

Comments for the Author:




Please note that this journal is a Transformative Journal (TJ). Authors may publish their research through the traditional subscription access route or make their paper open access through payment of an article-processing charge (APC).  Find out more about Transformative Journals

**Our flexible approach during the COVID-19 pandemic**

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at https://www.springernature.com/production-privacy-policy. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

---

In compliance with data protection regulations, you may request that we remove your personal registration details at any time.  (Use the following URL: https://www.editorialmanager.com/ququ/login.asp?a=r). Please contact the publication office if you have any questions.

# History for Manuscript Number: QUQU-D-21-00117
## Ansari Saleh  Ahmar (INDONESIA): "The Application of K-means Clustering to the Zoning of Provinces in Indonesia from the Risk of the COVID-19 Pandemic Based on COVID-19 Data"

Close

### Correspondence History

| Correspondence Date ▲▼ | Letter ▲▼ | Recipient ▲▼ | Revision ▲▼ |
|---|---|---|---|
| 24 May 2021 | Editor Decision - Accept | Ansari Saleh Ahmar | 1 |
| 16 May 2021 | Author Revision | Ansari Saleh Ahmar | 1 |
| 16 May 2021 | AU - Revised PDF Built by Author | Ansari Saleh Ahmar | 1 |
| 11 May 2021 | AU - Accept but incomplete | Ansari Saleh Ahmar | 0 |
| 15 Mar 2021 | AU - Submission Confirmation | Ansari Saleh Ahmar | 0 |
| 15 Mar 2021 | AU - Original PDF Built by Author | Ansari Saleh Ahmar | 0 |

Close