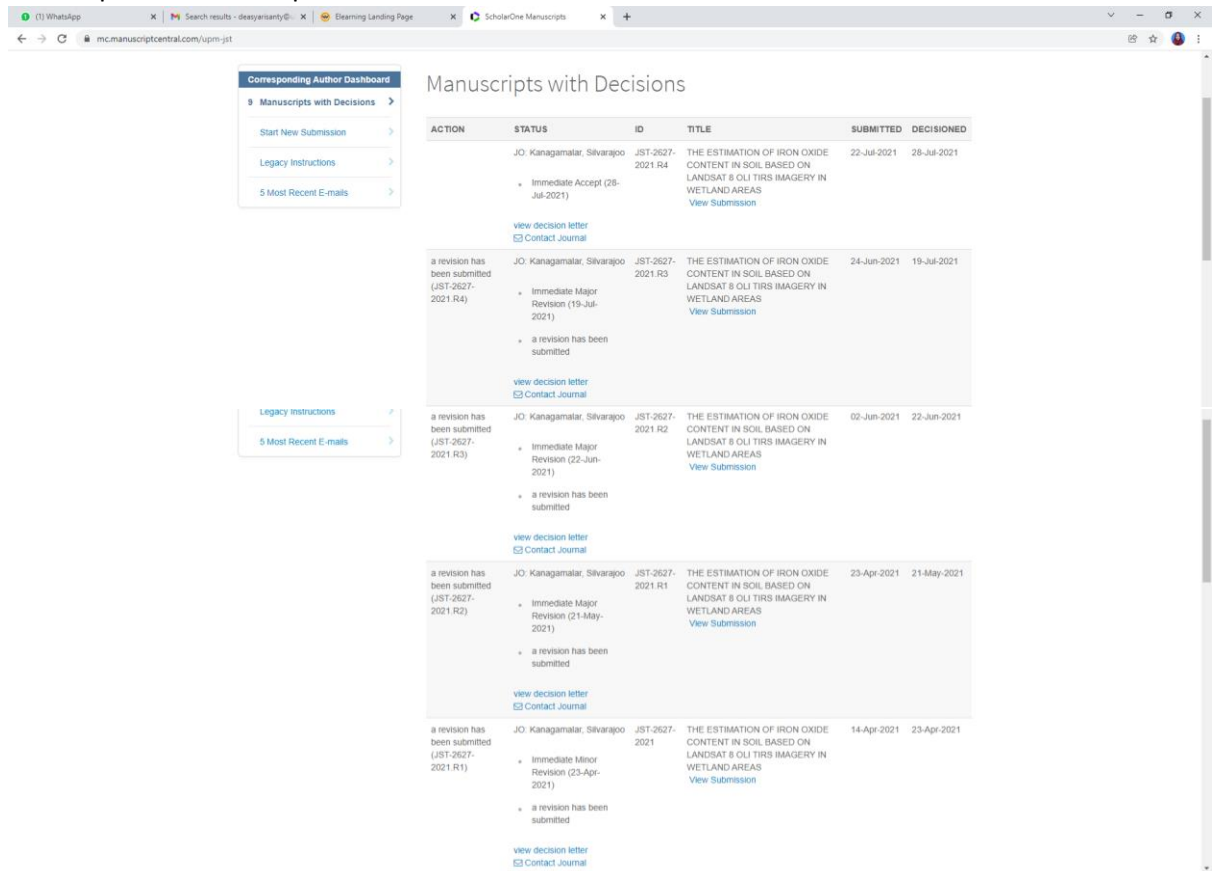


Corresponding artikel

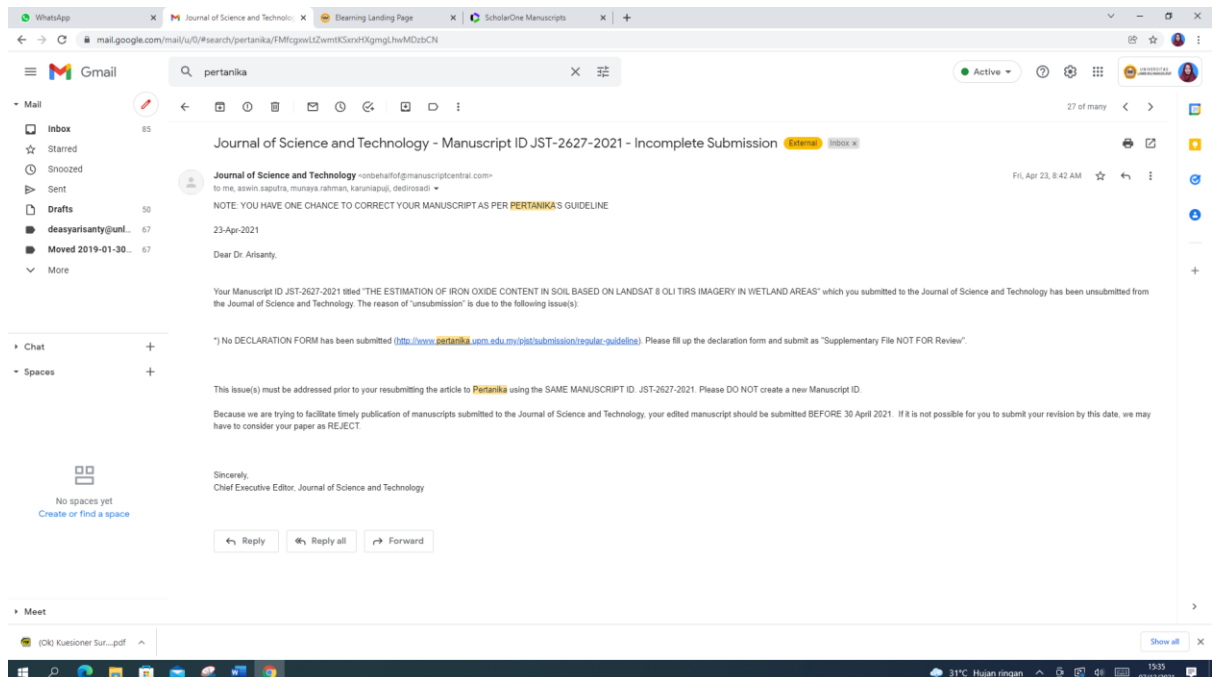
1. Submit pada bulan 14 April 2021



The screenshot shows the 'Manuscripts with Decisions' dashboard for a corresponding author. The dashboard includes a sidebar with navigation options like 'Start New Submission', 'Legacy Instructions', and '5 Most Recent E-mails'. The main area displays a table of manuscript entries with columns for ACTION, STATUS, ID, TITLE, SUBMITTED, and DECISIONED. Each entry includes a 'View Submission' link and a 'View Decision Letter' link.

ACTION	STATUS	ID	TITLE	SUBMITTED	DECISIONED
	Immediate Accept (28-Jul-2021)	JST-2627-2021.R4	THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS	22-Jul-2021	28-Jul-2021
a revision has been submitted (JST-2627-2021.R4)	Immediate Major Revision (19-Jul-2021)	JST-2627-2021.R3	THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS	24-Jun-2021	19-Jul-2021
a revision has been submitted (JST-2627-2021.R3)	Immediate Major Revision (22-Jun-2021)	JST-2627-2021.R2	THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS	02-Jun-2021	22-Jun-2021
a revision has been submitted (JST-2627-2021.R2)	Immediate Major Revision (21-May-2021)	JST-2627-2021.R1	THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS	23-Apr-2021	21-May-2021
a revision has been submitted (JST-2627-2021.R1)	Immediate Minor Revision (23-Apr-2021)	JST-2627-2021	THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS	14-Apr-2021	23-Apr-2021

2. Pada tanggal 23 April 2021 terdapat perbaikan sistematika penulisan, ada yang tidak sesuai, mereka meminta disubmit kembali



The screenshot shows an email from the Journal of Science and Technology. The subject is 'Journal of Science and Technology - Manuscript ID JST-2627-2021 - Incomplete Submission'. The email body contains the following text:

NOTE: YOU HAVE ONE CHANCE TO CORRECT YOUR MANUSCRIPT AS PER PERTANIKA'S GUIDELINE

23-Apr-2021

Dear Dr. Arisanty,

Your Manuscript ID JST-2627-2021 titled "THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS" which you submitted to the Journal of Science and Technology has been unsubmitted from the Journal of Science and Technology. The reason of "unsubmission" is due to the following issue(s):

*) No DECLARATION FORM has been submitted (<http://www.pertanika.upm.edu.my/pjst/submission/regular-guideline>). Please fill up the declaration form and submit as "Supplementary File NOT FOR REVIEW".

This issue(s) must be addressed prior to your resubmitting the article to [Pertanika](#) using the SAME MANUSCRIPT ID. JST-2627-2021. Please DO NOT create a new Manuscript ID.

Because we are trying to facilitate timely publication of manuscripts submitted to the Journal of Science and Technology, your edited manuscript should be submitted BEFORE 30 April 2021. If it is not possible for you to submit your revision by this date, we may have to consider your paper as REJECT.

Sincerely,
Chief Executive Editor, Journal of Science and Technology

3. Pada tanggal 23 April 2021 disubmit Kembali, keluar hasil review tanggal 21 Mei 2021. Adapun beberapa perbaikan adalah sebagai berikut:

Journal of Science and Technology - Decision on Manuscript ID JST-2627-2021.R1 (AA) Extend Inbox

Journal of Science and Technology <onbehalfof@manuscriptcentral.com>
to me, aswin saputra, munaya rahman, karaniapaji, dedrosadi
21-May-2021

Dear Dr. Arisanty,

Manuscript ID JST-2627-2021 R1 entitled "THE ESTIMATION OF IRON OXIDE CONTENT IN SOIL BASED ON LANDSAT 8 OLI TIRS IMAGERY IN WETLAND AREAS" which you submitted to the Journal of Science and Technology, has been reviewed. The comments of the reviewer(s) are included at the bottom of this letter. I invite you to respond to the reviewer(s) comments and revise your manuscript.

To revise your manuscript, log into <https://mc.manuscriptcentral.com/jst> and enter your Author Center, where you will find your manuscript title listed under "Manuscripts with Decisions." Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision.

You may also click the below link to start the revision process (or continue the process if you have already started your revision) for your manuscript. If you use the below link you will not be required to login to ScholarOne Manuscripts.

*** PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. ***

https://mc.manuscriptcentral.com/jst/jst?URL_MASK=185bba95e5455e99af1c58ca389

You will be unable to make your revisions on the originally submitted version of the manuscript. Instead, revise your manuscript using a word processing program and save it on your computer. Please also highlight the changes to your manuscript within the document by using colored text.

Once the revised manuscript is prepared, you can upload it and submit it through your Author Center using the SAME Manuscript ID: JST-2627-2021 R1. Please DO NOT create a new Manuscript ID.

When submitting your revised manuscript, you will be able to respond to the comments made by EACH reviewer (POINT-BY-POINT) in the space provided. You can use this space to document any changes you make to the original manuscript. In order to expedite the processing of the revised manuscript, please be as specific as possible in your response to the reviewer(s).

IMPORTANT: Your original files are available to you when you upload your revised manuscript. Please delete any redundant files before completing the submission.

Because we are trying to facilitate timely publication of manuscripts submitted to the Journal of Science and Technology, your revised manuscript should be submitted BEFORE 04 June 2021. If it is not possible for you to submit your revision by this date, we may have to consider your paper as REJECT.

Once again, thank you for submitting your manuscript to the Journal of Science and Technology and I look forward to receiving your revision.

Sincerely,

Reviewer: 1

Comments to the Corresponding Author
Thanks for the opportunity given to me to review this manuscript.

It is an adequate effort to estimate iron oxide content in soil using remote sensing. The author's nearly reported good research and examined the idea of estimating iron oxide content in different seasons may affect the findings. I read the manuscript with great interest, and I believe it needs Major Revision before publication. I tried to highlight some statements below.

- 1) Use of English, Layout, and Format - The use of English is not completely adequate and the manuscript needs to be corrected grammatically. I will strongly suggest it's passed to a native speaker or professional English Editing Services for check after revision.
- 2) Introduction - It is not satisfying. Some paragraphs could be shortened and consistent within one subject. The arrangement of the paragraphs also needs to be reconsidered. In my opinion, each subject could be reviewed and wrapped up in one two paragraphs; e.g. 1) History and the importance of iron oxide in soil, 2) The efficiency of remote sensing (RS) technologies and a brief talk about RS concept and satellite data and GIS, 3) Related works and previous research on the subject matter and some commonly-used, recent, and up-to-date methodologies regarding similar data, algorithms, objectives, and the study area. Adding concise principles and how/why your methods were selected would enrich the manuscript. Finally, all the main objectives and novelty of a research are summarized at the last paragraph of the introduction section to provide a general view of what will be accomplished at the end of the research. All these issues must be well reflected and answered in "discussion and conclusion" sections, too.
- 3) Method - The author need to justify the selection of sampling points from 1 - 12? Were they choose randomly?
- 4) Results and Discussions- Overall, it is not satisfying. Some paragraphs could be shortened and consistent within one subject. The arrangement of the paragraphs also needs to be reconsidered. My main concern is about the accuracy assessment. There was no information related to accuracy assessment. Please provide this information. Page 10 Line 52 - image processing was done using Landsat 8 OLI TIRS imagery - the sentence not necessary can be removed. Figure 3 - there is no legend, therefore it was hard to interpret and understand the map.
- 5) Conclusion - This part generally reflected the obtained results and challenges. Also, it is necessary to add how well the problem(s) has been resolved with this particular methodology or what solution (or recommendation) the research proffers, what is the novelty of this research and some statements on your future work. Though, the revision of the whole section is necessary as it suffers from poor structure in English.
- 6) Please add accuracy assessment information in the abstract and conclusion to show your research's level of reliability and success.

Reviewer: 2

Comments to the Corresponding Author
Identifying and assessing the spatial distribution of iron oxide in soils is difficult but very important. In this era of technology, remote sensing has made it possible to monitor or changes in the iron oxide content of soils. This research paper is meant to demonstrate Landsat images' capability in investigating iron oxide in wetlands. As far as the structure of the paper is concerned, the paper is fair but, needs revision. The paper may be accepted if the authors incorporate the suggestions.

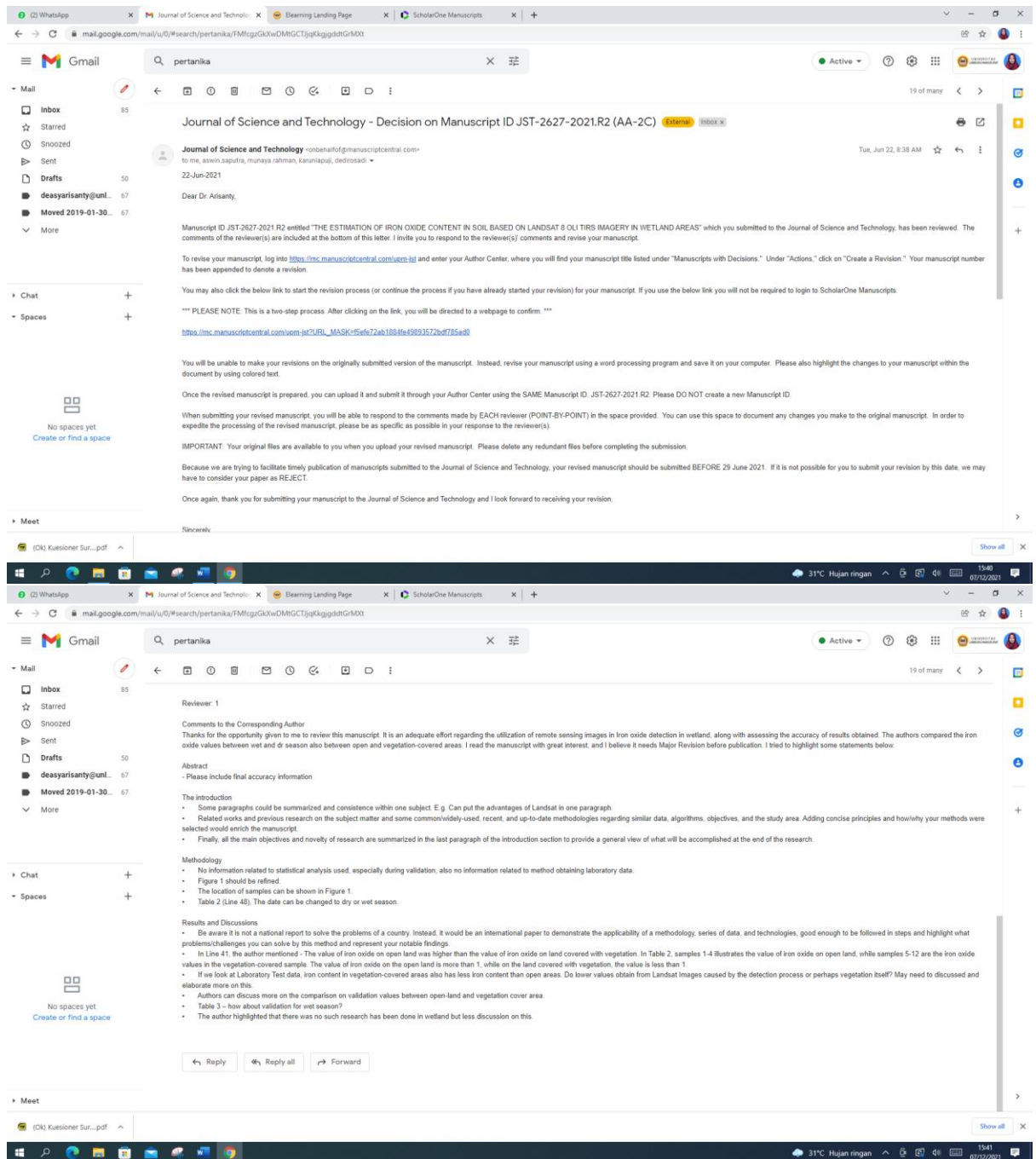
Materials and Methods
This section is all about image analysis. Pls mention parameters that have been observed physically. How the image results have been verified? Whether the results regarding iron oxide are reliable or not. Write about the validation process.

Results and Discussion

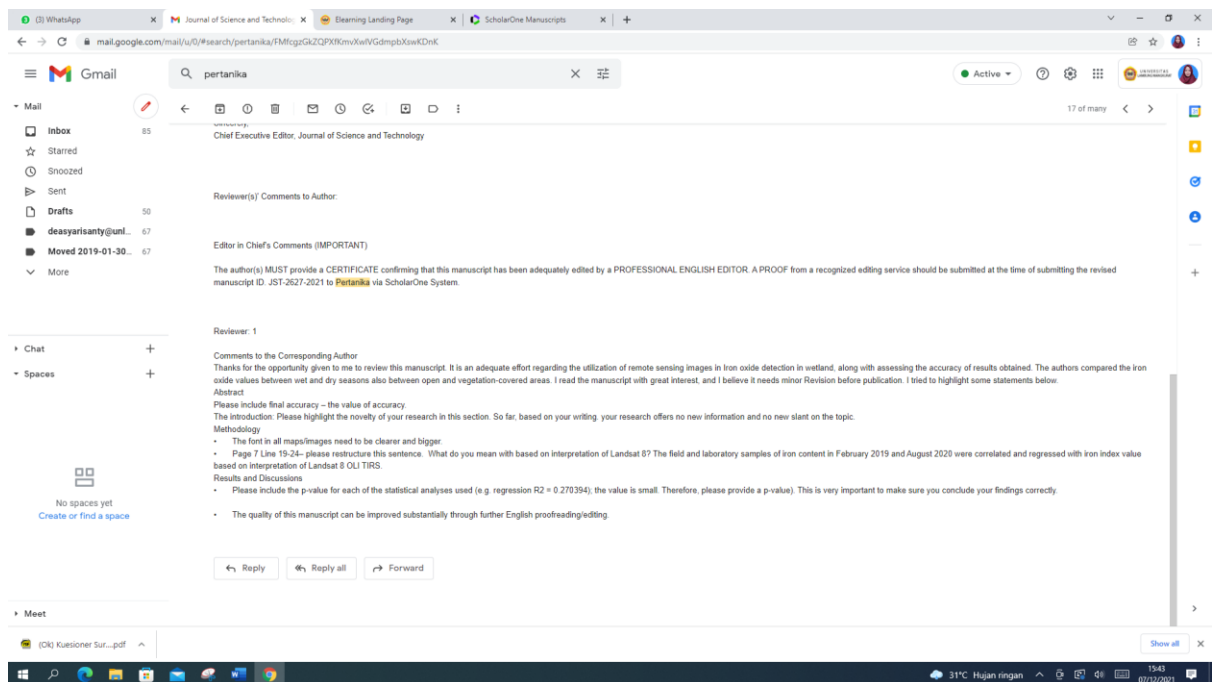
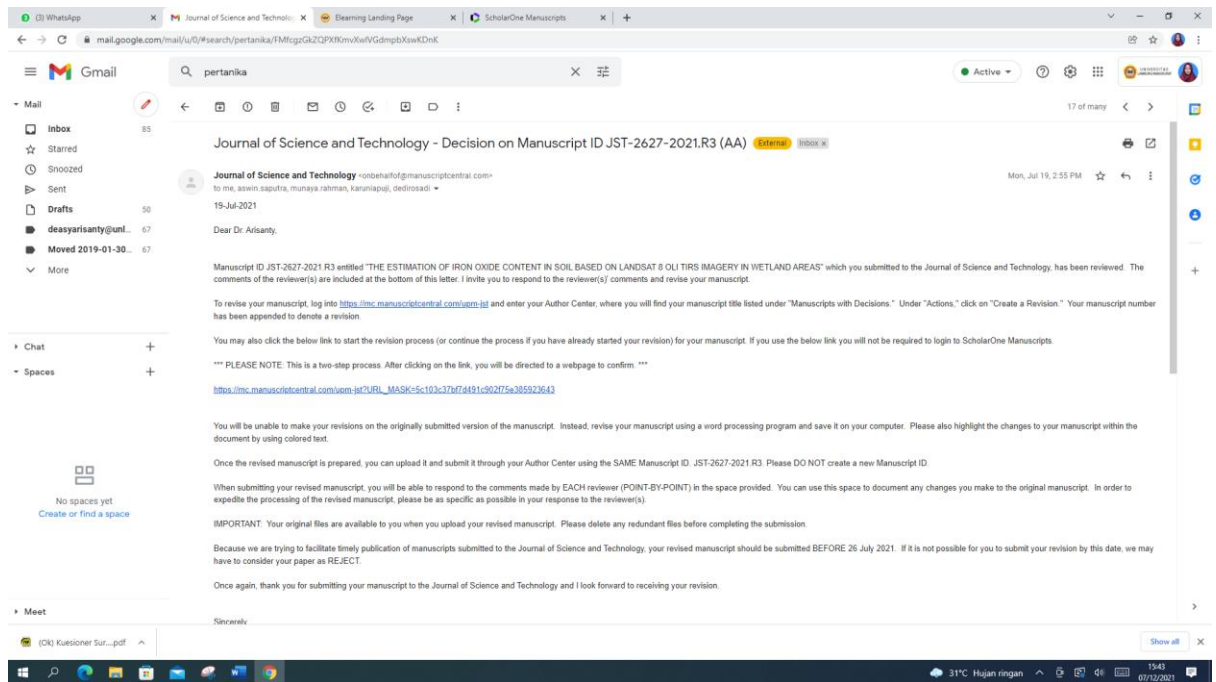
- Pls round-up or round-down the values in table and text (e.g., Line 40, Page 9: 0.980116)
- The statement seems in contradiction with the objective of the study (Line 53, Page 9: iron oxide values are more predictable on dry land than on a wetland). Pls clarify
- Please write about image correction results at the beginning of the results section rather than amid the main results. (Lines 52-56, Page 10 and Lines 7 - 14, Page 11)
- Line 49, Page 11. There are no such results in Table 1. Pls check and report the results accordingly.
- Please include validation results

Reply Reply all Forward

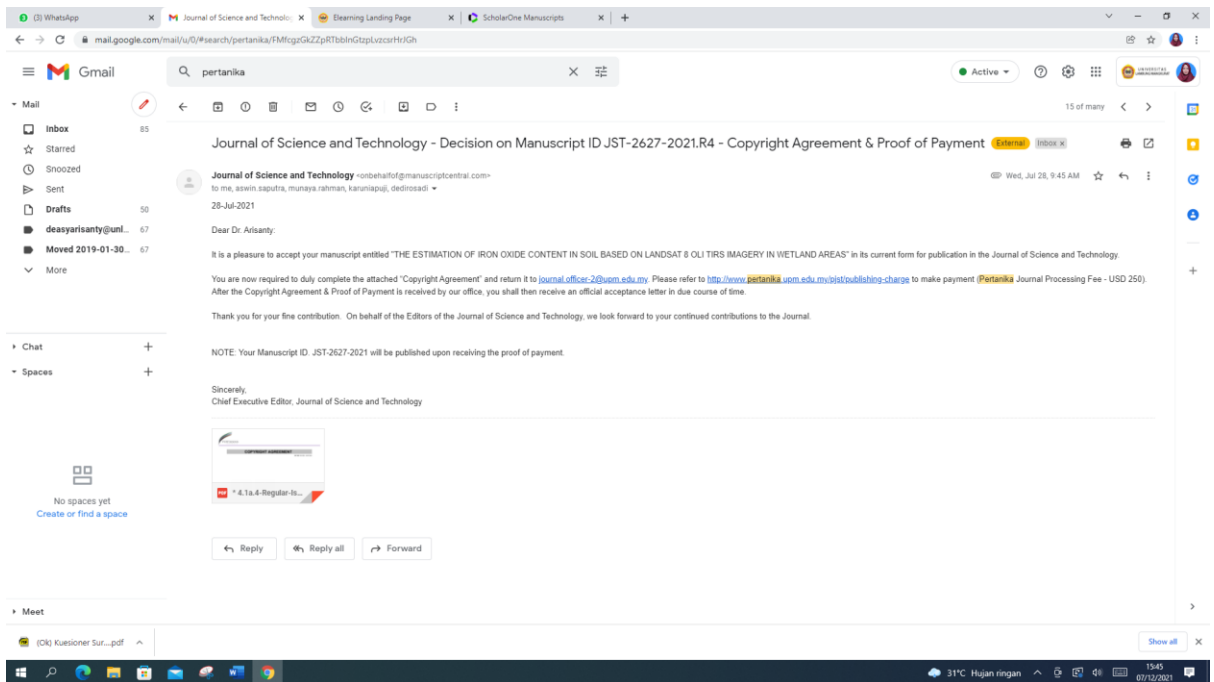
4. Tanggal 2 Juni 2021 perbaikan disubmit, kemudian keluar revisi tahap ke dua tanggal 22 Juni 2021



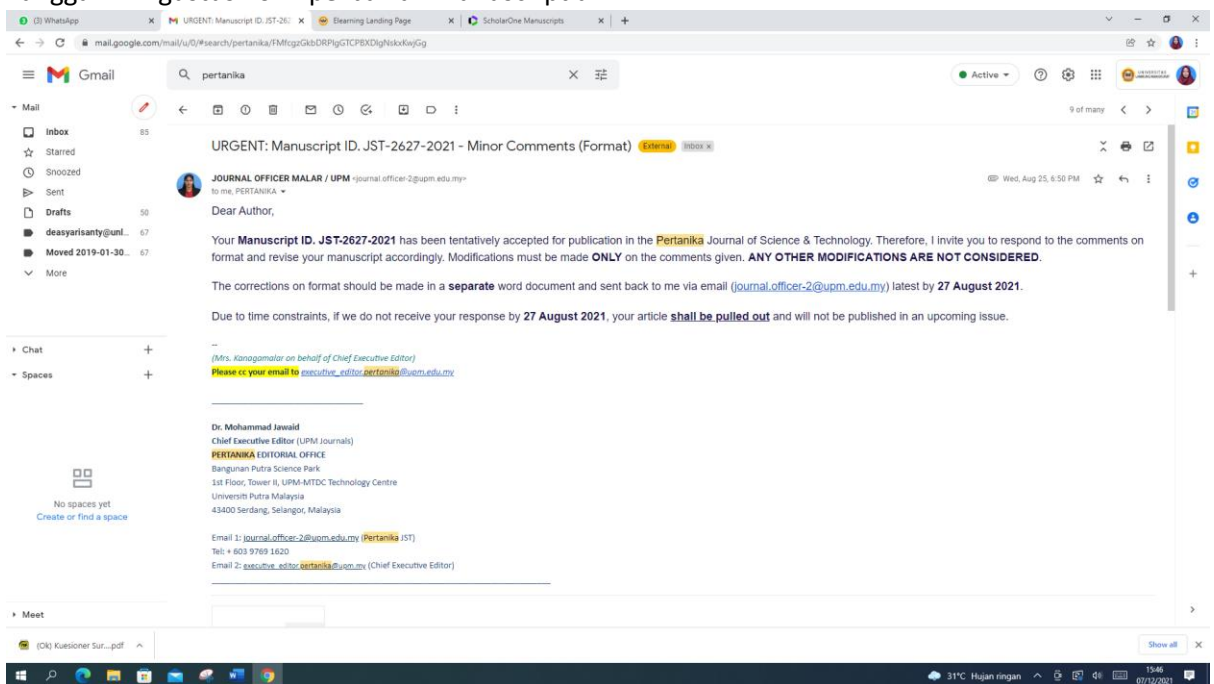
5. Tanggal 24 Juni dikirimkan Kembali revisi dari artikel kemudian direview kembali dan keluar hasil review pada tanggal 19 Juli 2021



6. Tanggal 22 juli disubmit kembali kemudian tanggal 28 juli 2021 keluar keputusan accepted dari jurnal dengan perbaikan akhir.



7. Tanggal 27 Agustus 2021 perbaikan manuscript akhir



8. Artikel diterbitkan pada volume 29 No 4, Oktober 2021 dan baru online bulan November 2021

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The Estimation of Iron Oxide Content in Soil based on Landsat 8 OLI TIRS Imagery in Wetland Areas

Deasy Arisanty, Aswin Nur Saputra, Akhmad Munaya Rahman, Karunia Puji Hastuti and Dedi Rosadi

Pertanika Journal of Science & Technology, Volume 29, Issue 4, October 2021
DOI: <https://doi.org/10.47836/pjst.29.4.32>

Keywords: Iron oxide, Landsat 8 OLI TIRS, wetland
Published on: 29 October 2021

Abstract | **References**

Wetland areas are volatile and have high iron content. In this study, through a remote sensing approach, especially using Landsat Operational Land Imager (OLI) and Thermal Infrared Sensor (TIRS) imagery, we discussed the method to estimate the presence of iron oxide in the wetlands of South Kalimantan in 2018, 2019, and 2020. Interpretation of the Landsat OLI TIRS was employed in April 2018, August 2018, February 2019, August 2019, March 2020, and August 2020. The band ratio method was used to determine the distribution of samples in this study. The results of the iron oxide index from the image were performed regression and correlation analysis with field measurement and laboratory test results to validate the oxide index values. The results showed that the iron oxide index value in the dry season was higher than in the rainy season. Iron oxide index value in open land was higher than in vegetation cover. The wetland was in dry condition during the dry season, making it easier to detect iron oxide values. Vegetation cover could reduce the iron oxide index value on the soil surface so that the iron oxide value was more easily identified in open land. The results of linear regression testing for the wet season sample obtained a coefficient of

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