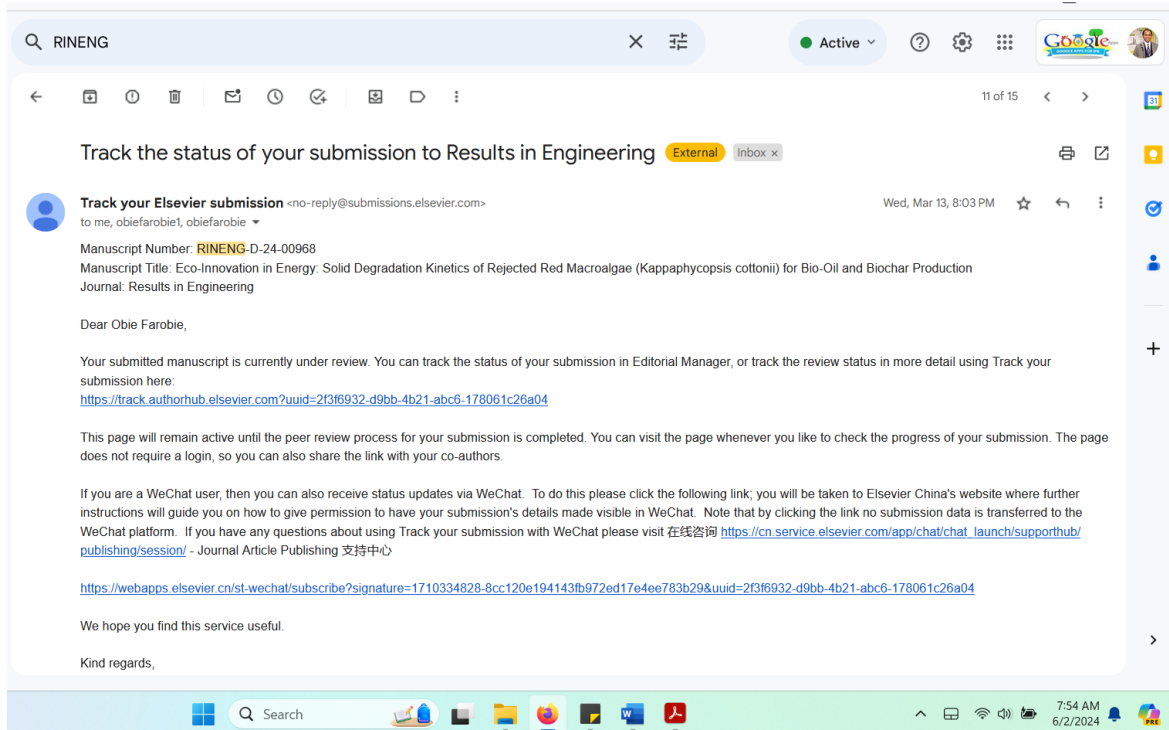


Gambar 1. Bukti submission ke Results in Engineering.



Gambar 2. Bukti korespondensi terkait "Track the status of submission".

Q RINENG

Active

10 of 15

Your Submission External Inbox x

Results in Engineering <em@editorialmanager.com>  
to me

Wed, Apr 10, 7:37 AM

Ref.: Ms. No. **RINENG-D-24-00968**  
Eco-Innovation in Energy: Solid Degradation Kinetics of Rejected Red Macroalgae (*Kappaphycopsis cottonii*) for Bio-Oil and Biochar Production  
Results in Engineering

Dear Dr. Eng. Farobie,

Reviewers have now commented on your paper. You will see that they are advising that you revise your manuscript. If you are prepared to undertake the work required, I would be pleased to reconsider my decision.

For your guidance, reviewers' comments are appended below.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript.

Please resubmit your revised manuscript by **Apr 30, 2024**.

To submit a revision, go to <https://www.editorialmanager.com/rineng/> and log in as an Author. You will see a menu item call Submission Needing Revision. You will find your submission record there.

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Reviewer 1: Full manuscript title Eco-Innovation in Energy: Solid Degradation Kinetics of Rejected Red Macroalgae (*Kappaphycopsis cottonii*) for Bio-Oil and Biochar Production  
Reviewer Name Lata Deso Abo  
Manuscript number **RINENG-D-24-00968**  
**REVIEWER COMMENTS**

It is an interesting thematic research area, which currently researchers and scholars need. However, let me provide the author with general and specific comments that should be included.

Comment 1 The author should provide the appropriate key words for the present study.

Comment 2 Add graphical abstract since it is very crucial for further understanding.

Comment 3 The abstracts of the study must be written using strong research words rather than using the second, third person plurals like we.....

Comment 4 In abstracts the author should write the specific key findings rather than putting values in the form of ranges.

Comment 5 In slow pyrolysis, how to control the flow rates of gases or systems or raw materials?

Comment 6 The author's materials and methods look like shallow. Try to rewrite the material and methods or give a brief explanation on this section.

Comment 7 Decide the specific temperature at which bio-oil is produced

Comment 8 Why not consider other type of pyrolysis in the formulation of bio-oil? Additionally, what makes slow pyrolysis more effective than other types of pyrolysis for production of both products?

Comment 9 In product analysis, the author utilized only thermogravimetric analysis (TGA), why don't you consider other types of analytical characterization? Moreover, as researcher try to rewrite your methodology briefly for further understanding of other scholars.

Comment 9 Result and discussion: In this study, the author conducted comparative study with other raw materials. Is comparative study experimental or literature-based? If literature-based try to include recent studied research work rather than studies performed before five years?

Comment 11 In line 156 to 157 says "It was observed that higher temperatures played a pivotal role in increasing bio-oil yields". This statement should be specific and concise (specific temperatures should be mentioned). As a researcher and author of this research work, identify the specific temperatures that results bio-oils.

Comment 12 Specific methodology should be stated for "Reaction kinetics of solid degradation". What are the techniques or mathematical interpretation that helps for the estimation or determination of kinetics? The authors should provide suitable methods or ways for these sections of research investigation.

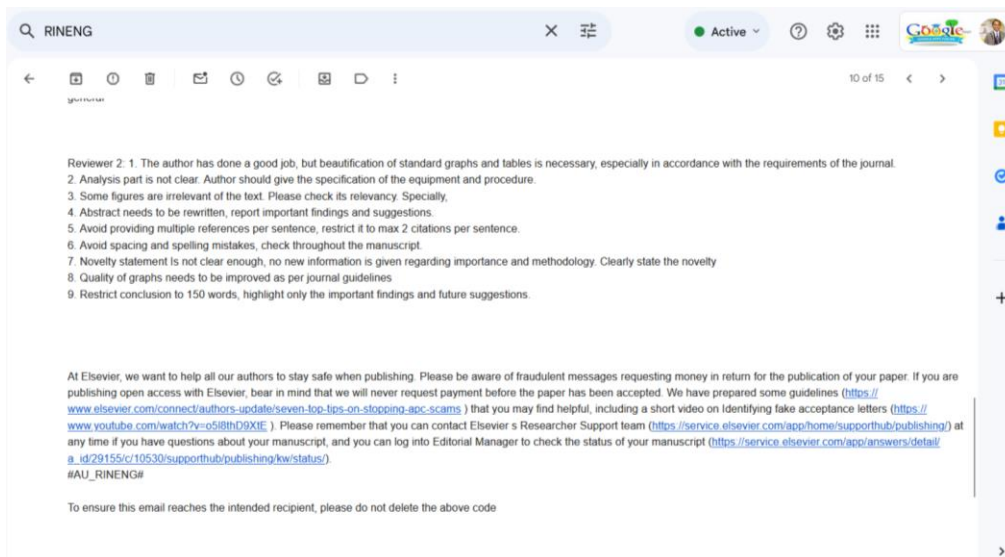
Comment 13 Providing equations and other mathematical manipulation like Equation 1, 2 (page 14 to 17) and soon in results and discussions are inappropriate. The authors should rewrite such Equations in methodology part rather than in results and discussion sections.

Comment 14 (general) Why this study is important? Provide a clear justification!!

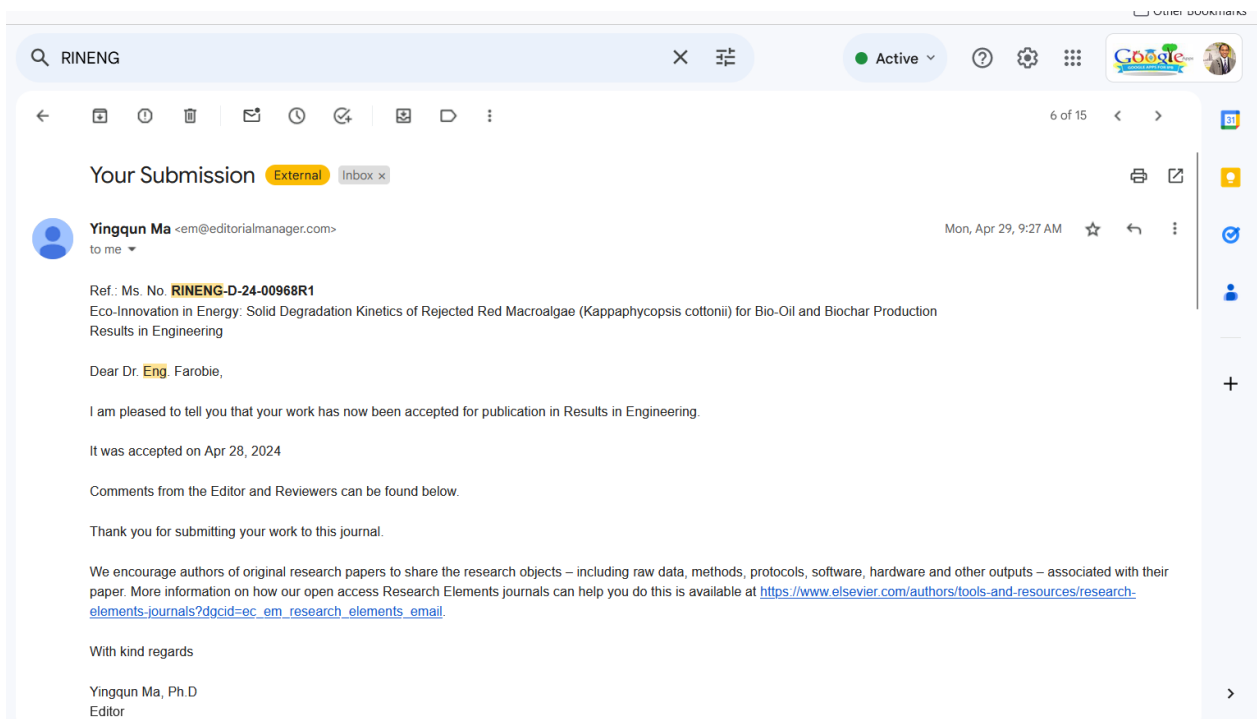
Comment 15 (general) What makes your study innovative?

Comment 16 (general) The abstract of the study should be written in a precise manner again. Try to explain as per the specific objectives extracted from the main title.

Comment 17 (general) Make your citation consistent with others (in text and reference part)



Gambar 3. Bukti korespondensi terkait “Manuscript Revision Request”.



Gambar 5. Bukti bahwa artikel telah diterima