



Anton Irawan <antonirawan@untirta.ac.id>

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## WAVE-D-22-00467 - Submission Confirmation

1 pesan

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**Waste and Biomass Valorization (WAVE)** <em@editorialmanager.com>

15 April 2022 pukul 16.28

Balas Ke: "Waste and Biomass Valorization (WAVE)" <mariammal.arunachalam@springer.com>

Kepada: Anton Irawan <antonirawan@untirta.ac.id>

Dear Dr.-Ing Irawan,

Thank you for submitting your manuscript, Pyrolysis of Polyolefins into Chemicals using Low-cost Natural Zeolites, to Waste and Biomass Valorization.

The submission id is: WAVE-D-22-00467

Please refer to this number in any future correspondence.

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

Your username is: antonirawan1975

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Anton Irawan &lt;antonirawan@untirta.ac.id&gt;

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**Major Revisions requested WAVE-D-22-00467**

2 pesan

**Waste and Biomass Valorization (WAVE)** <em@editorialmanager.com>

21 Juli 2022 pukul 07.29

Balas Ke: "Waste and Biomass Valorization (WAVE)" &lt;shopitha.velmurugan@springer.com&gt;

Kepada: Anton Irawan &lt;antonirawan@untirta.ac.id&gt;

CC: "Teguh Kurniawan" [teguh@untirta.ac.id](mailto:teguh@untirta.ac.id), "N Nurkholifah" [nurkholifah99910@gmail.com](mailto:nurkholifah99910@gmail.com), "M. Melina" [melinalina17@gmail.com](mailto:melinalina17@gmail.com), "Asep Bayu Dani Nandiyanto" [nandiyanto@upi.edu](mailto:nandiyanto@upi.edu), "Mochamad Adha Firdaus" [g201704250@kfupm.edu.sa](mailto:g201704250@kfupm.edu.sa), "Hafid Alwan" [hafid.alwan@gmail.com](mailto:hafid.alwan@gmail.com), "Yazid Bindar" [ybybyb@fti.itb.ac.id](mailto:ybybyb@fti.itb.ac.id)

Dear Dr.-Ing Irawan,

We have received the reports from our advisors on your manuscript, "Pyrolysis of Polyolefins into Chemicals using Low-cost Natural Zeolites", which you submitted to Waste and Biomass Valorization.

Based on the advice received, I feel that your manuscript could be reconsidered for publication should you be prepared to incorporate major revisions. When preparing your revised manuscript, you are asked to carefully consider the reviewer comments which can be found below, and submit a detailed list of responses to each of the comments in a separate sheet. You are kindly requested to also check the website for possible reviewer attachment(s).

In order to submit your revised manuscript, please access the journal's website.

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

We look forward to receiving your revised manuscript before 31 Aug 2022.

With kind regards,

Ange Nzihou, PhD  
Editor in Chief  
Waste and Biomass Valorization

**COMMENTS FOR THE AUTHOR:**

Reviewer #2: The manuscript deals with pyrolysis of polyethylene and polypropylene in the presence of natural zeolite in a semi-batch reactor. The results of pyrolysis products are discussed comprehensively. Detailed characterization of products obtained is analyzed and presented. However, there are many grammar related mistakes, which need to be rectified by revisiting the manuscript. The manuscript may be considered for publication upon addressing following specific comments/suggestions.

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the current manuscript.

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Line 41-42: what type of pyrolysis reactor?

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Line 1: are catalysts infinitely reusable, or do they require replacement? What is the mode of action by which catalysts assist in the pyrolysis reaction? Is it their high surface area, or surface chemistry? Please comment more on these in the introduction to make the paper more accessible to readers who do not specialise in catalytic pyrolysis

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Line 11: "which pyrolysed at" to "which was pyrolysed at"

Line 39: add any material characterisation techniques that you used here. Photographs of your catalysts and samples would also be a good addition

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Reviewer #5: Authors have nicely worked and presented the research article. . The study is well planned supported by analytical, experimental as well as other data in the form of tables and figures.

However, it requires further improvements as under:

Introduction: Pls cite recent references and mention the research gap in the area and justify why the study was undertaken and how these findings enrich the information for readers of WAVE as well as other scientific communities.

Methods: Kindly detail few of the experiments procedure to be replicated by the others, mere citing the reference may not be enough.

R&D: It requires a lot of corrections, explaining each and every findings, with proper scientific discussion and justification. As of now it's less and just supported by only references. Quality of figures and tables must be improved and even few of the figures could be clubbed or in supplementary info please?

Conclusion must be in bullets and may be concise as per guidelines.

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**Anton Irawan** <[antonirawan@untirta.ac.id](mailto:antonirawan@untirta.ac.id)>  
Kepada: RIAN NAUFAL <[anton11975@yahoo.com](mailto:anton11975@yahoo.com)>

21 Juli 2022 pukul 15.22

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CC: "Teguh Kurniawan" [teguh@untirta.ac.id](mailto:teguh@untirta.ac.id), "N Nurkholifah" [nurkholifah99910@gmail.com](mailto:nurkholifah99910@gmail.com), "M. Melina" [melinalina17@gmail.com](mailto:melinalina17@gmail.com), "Asep Bayu Dani Nandiyanto" [nandiyanto@upi.edu](mailto:nandiyanto@upi.edu), "Mochamad Adha Firdaus" [g201704250@kfupm.edu.sa](mailto:g201704250@kfupm.edu.sa), "Hafid Alwan" [hafid.alwan@gmail.com](mailto:hafid.alwan@gmail.com), "Yazid Bindar" [ybybyb@fti.itb.ac.id](mailto:ybybyb@fti.itb.ac.id)

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Anton Irawan <antonirawan@untirta.ac.id>

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21 September 2022 pukul 20.22

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Dear Dr. Anton Irawan

Congratulations on the acceptance of your article: Pyrolysis of Polyolefins into Chemicals Using Low-Cost Natural Zeolites.

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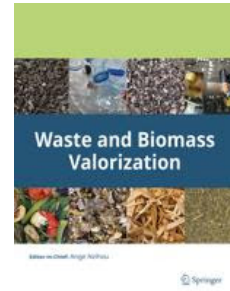
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