



Maria Yuliana <mariayuliana@ukwms.ac.id>

ER-21-19800 successfully submitted

1 message

International Journal of Energy Research <onbehalf@manuscriptcentral.com>

Thu, Apr 1, 2021 at 5:57 PM

Reply-To: ERedoffice@wiley.com

To: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

Cc: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

01-Apr-2021

Dear Dr. Yuliana,

Your manuscript entitled ER-21-19800 "DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL" has been successfully submitted online and is presently being considered for publication in International Journal of Energy Research.

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Maria Yuliana <mariayuliana@ukwms.ac.id>

ER-21-19800 - Decision on Manuscript

1 message

International Journal of Energy Research <onbehalf@manuscriptcentral.com>

Mon, May 24, 2021 at 7:17 PM

Reply-To: ERedoffice@wiley.com

To: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

Cc: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

24-May-2021

Dear Dr. Yuliana,

Manuscript ID ER-21-19800 entitled "DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL".

We recognise that the impact of the COVID-19 pandemic may affect your ability to return your revised manuscript to us within the requested timeframe. If this is the case, please let us know.

Thank you for submitting this manuscript to International Journal of Energy Research. It has now been seen by expert referees whose comments are at the end of this email. While all thought the subject matter of your study was interesting and pertinent to the Journal, they have each raised a significant number of points about the design of the study and the presentation and interpretation of the data. I hope that you will be able to deal with the issues raised and we look forward to receiving a substantially revised version in due course.

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Once again, thank you for submitting your manuscript to International Journal of Energy Research and I look forward to receiving your revision.

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With my best wishes,

Dr. Wei-Hsin Chen
International Journal of Energy Research

Editor's comments

- (1) Please revise the manuscript and make point-by-point responses according to the "editor's" and reviewers' comments. Also note following the format of IJER.
- (2) Changing authorship is not allowed and may lead to rejection of the manuscript. Please follows this rule strictly.
- (3) Please note to submit your revised manuscript within the required period, otherwise, your submission system will be blocked by the system automatically.

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author
Very good article, with statistical analysis.

Reviewer: 2

Comments to the Author

This aspect is interesting and the obtained results looks in some sense positive, but the manuscript is accepted for publication in the Journal by elucidating and taking into consideration the following points.

1. The initial two paragraphs of introduction section are little interest. I suggested that the two paragraphs are shortened to one paragraph.
2. The review on the solid catalyst for biodiesel biodiesel, is required to be reinforced in the introduction section. The novelty of the work should be clearly presented by comparison with the previous work. There have been several published works carried out in developing such types of heterogeneous catalysts for the production of biodiesel, for example [Chemical Engineering Journal, 2019,365, 40-50]. Therefore, the authors should provide more comprehensive literature review on the solid catalysts, as it will be very useful for the readers.
3. The fatty acid profile of the used oil should be presented in the manuscript.
4. The free fatty acid (FFA) in the used oil should be provided. The acidic value before and after the biodiesel production is determined so as to calculate the FAA conversion to biodiesel.
5. The reusability of the catalyst should be established by carrying out the reuse studies.
6. Add some more discussion on the catalyst characterization with some justifications, since the current discussion looks like the description of simply obtained results.
7. Compare the obtained results over the reported works in the literature till date. Is it really comparable?

Major revisions are necessary to the current manuscript for re-submitting for the publication in the journal.

Reviewer: 3

Comments to the Author

DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER 2 (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU 3 ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL

Review:

1. Revision of English is highly recommended.
2. The main consequences and conclusions of the study have to be included in the abstract. Kindly, start with the aim of study followed by experimental and then consequences and conclusions.

3. In the introduction section, as the subject touches the production of BD fuel, kindly, add a phrase on biodiesel production from the second-generation feedstocks. Kindly, cite these references if possible:

<https://doi.org/10.1080/15567036.2015.1065299>

4. Kindly, express the novelty of your work in a more form. What is novel in this study?

5. Support the experimental section relating the synthesis of the catalyst with references.

6. Information relating the synthesis of the catalyst s not sufficient.

7. The oil was not subjected to a pre-treatment step, namely esterification. Please, explain.

8. How about properties of the pristine oil and the pre-treated oils.

9. More profound discussion and comparison of the results are required.

7. The FTIR of the oil, esterified oil, and BD have to be included and discussed. Support the FTIR outcomes with these references:

<https://doi.org/10.1002/apj.2572>

8. The conclusions have to expand.



Maria Yuliana <mariayuliana@ukwms.ac.id>

ER-21-19800.R1 successfully submitted

1 message

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Sat, Jun 19, 2021 at 6:25 PM

Reply-To: ERedoffice@wiley.com

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Cc: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

19-Jun-2021

Dear Dr. Yuliana,

Your manuscript entitled ER-21-19800.R1 "DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL" has been successfully submitted online and is presently being considered for publication in International Journal of Energy Research.

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Maria Yuliana <mariayuliana@ukwms.ac.id>

ER-21-19800.R1 - Decision on Manuscript

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International Journal of Energy Research <onbehalf@manuscriptcentral.com>

Sun, Jun 27, 2021 at 7:38 PM

Reply-To: Ibrahim.Dincer@uoit.ca

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27-Jun-2021

Dear Dr. Yuliana,

Manuscript ID ER-21-19800.R1 entitled "DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL".

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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 coloured text along with an itemized response sheet. You should make sure that each point raised by the referee(s) is addressed accordingly.

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With my best wishes,

Dr. Wei-Hsin Chen
International Journal of Energy Research

Reviewer(s)' Comments to Author:

Reviewer: 2

Comments to the Author

Introduction: 1- please compare SBA-15 catalysts with yours, what are the advantages ?

2- Does the action of Cu can be correlated with Bronsted acidity? Because it can explain the activity for esterification.

-Experimental part:

3- What is the stoichiometry of reaction used for catalyst synthesis? 4-

Is it amorphous?

5- What is the pH of synthesis?

6- The temperature is so low for esterification, why do you use this range?

7- A table with the conversion results and final acidity of the product is missing.

8- How do you conclude that there was transesterification and esterification, what are the reaction conversions?



Maria Yuliana <mariayuliana@ukwms.ac.id>

ER-21-19800.R2 successfully submitted

1 message

International Journal of Energy Research <onbehalf@manuscriptcentral.com>

Mon, Jul 5, 2021 at 12:30 PM

Reply-To: ERedoffice@wiley.com

To: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

Cc: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@wiley.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

05-Jul-2021

Dear Dr. Yuliana,

Your manuscript entitled ER-21-19800.R2 "DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL" has been successfully submitted online and is presently being considered for publication in International Journal of Energy Research.

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Maria Yuliana <mariayuliana@ukwms.ac.id>

International Journal of Energy Research - Decision on Manuscript ID ER-21-19800.R2

1 message

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Tue, Jul 6, 2021 at 7:44 PM

Reply-To: weihsinchen@gmail.com

To: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@yaho.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

Cc: albertinus.aldrian@gmail.com, jejonathan7@gmail.com, sheila_p5@yahoo.com, maria_yuliana_liau@yaho.com, mariayuliana@ukwms.ac.id, alfin_kur@yahoo.com, chintya95@yahoo.com, sandy@ukwms.ac.id, felyciae@yahoo.com, suryadiismadji@yahoo.com, a1f1n_kwn@yahoo.com

06-Jul-2021

Dear Dr. Yuliana,

Thank you for submitting your manuscript "DOUBLE-SHELLED HOLLOW MESOPOROUS SILICA INCORPORATED COPPER (II) (Cu/DS-HMS-NH₂) AS A CATALYST TO PROMOTE IN-SITU ESTERIFICATION/TRANSESTERIFICATION OF LOW-QUALITY PALM OIL". I am pleased to confirm that your paper has been accepted for publication in International Journal of Energy Research. There may be comments provided by the referee(s) at the end of this email.

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With my best wishes,

Dr. Wei-Hsin Chen
International Journal of Energy Research

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Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author

Thanks for your answers, I learned a little with them.