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#9729 Review

Summary Review Editing

Submission

Authors Mukhamad Nurhadi, Ratna Kusumawardani, Teguh Wirawan, Sumari Sumari, Sin Yuan Lai, Hadi Nur

Title Catalytic Performance of TiO₂-Carbon Mesoporous-Derived from Fish Bones in Styrene Oxidation with Aqueous Hydrogen Peroxide as an Oxidant

Section Original Research Articles

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Quartile SJR 2021 = Q3
 Quartile CiteScore 2021 = Q3
 Quartile JCI 2021 = Q3
 SJR 2021 = 0.315
 CiteScore 2021 = 2.4
 SNIP 2021 = 0.6
 J. Citation Indicator (JCI 2021) = 0.24
 Current Acceptance Rate = 44%

Bulletin of Chemical Reaction Engineering and...
 Q3 Chemical Engineering (miscellaneous) best quartile
 SJR 2021 0.32 powered by scimagojr.com

2.4 2021 CiteScore
 48th percentile Powered by Scopus

Crossref

Editor Istadi Istadi

Peer Review

Round 1

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Editor Decision

Decision Accept Submission 04-02-2021

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Editor/Autor Correspondence

Editor
13-01-2021 06:02 PM

Subject: [BCREC] Revision Required of Your Manuscript [BCREC-2020-9729]
Journal Name: Bulletin of Chemical Reaction Engineering & Catalysis
Article Title: Catalytic performance of TiO₂-carbon mesoporous-derived from fish bones in styrene oxidation with aqueous hydrogen peroxide as an oxidant
Ms-ID: BCREC-2020-9729

Dear Prof. Dr. Mukhamad Nurhadi,

Reviewers have now commented on your paper (attached below this email). You will see that they are advising that you must 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 can be read in your Author online interface. 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 be noted that you have up to 1 (one) months from now to revise your manuscript, unless your manuscript will be considered as a new submitted manuscript. If you need additional time to complete your revision, please let us know by replying to this email and informing us of the date you expect to submit it. <<<<****

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The revised document files MUST include:

- One (1) file for Revision Note file in a table form with respect to Reviewers comments including the location of the revision on the revised manuscript. Template MS Word File of this Revision Note can be downloaded here: <https://bit.ly/3cvzc58>
- One (1) file for Revised Manuscript file according to Template-based format (MS Word file) (please blue-color highlighted texts in the revised sentences).

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For second and continuing order of revision of manuscript, please just add your latest version file(s), do not delete the previous round of file(s) of manuscript.

Thank you for submitting to this journal.

Yours sincerely,

Prof. Dr. Istadi Istadi
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Twitter: @bcrec_j (https://twitter.com/bcrec_j?s=08)

{ \$comments }

(Editor in Chief)
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Reviewer A:
It is a quiet good research work. I recommend accept now without any revision.

Reviewer B:

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Reviewer B:

Authors carried out the research about the catalytic oxidation of styrene using TiO₂ supported by carbon mesoporous-derived from fish bones. This topic has an advantage in the environmental issue to utilize the fish bones waste, but the manuscript needs to improve in several things:

- In the background the importance to support the TiO₂ is not stated. It needs to mention why TiO₂ needs the supporting material. Some review about this has mentioned it.
- Please cite the reference for the FTIR identification
- In figure 2, please provide the standard of Fe₂O₃, CuO and TiO₂ diffractogram.
- Figure 6, written reaction scheme of the styrene oxidation. Please explain, which comes from this mechanism? from the literature or proposed mechanism. I think this is from the literature, because the author did not study the detail about the mechanism.
- please consistent to mention Figure or fig. in the manuscript

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Reviewer C:

Comments for manuscript entitled:

Catalytic performance of TiO₂-carbon mesoporous-derived from fish bones in styrene oxidation with aqueous hydrogen peroxide as an oxidant

- The concept of this research is slightly confusing, as TiO₂, CuO are photocatalyst that activated through the light or UV illumination. As for Fe₂O₃ and H₂O₂ are based on Fenton oxidation. In the methods, the catalyst performance analysis did not use any light.
- The scientific reason of photocatalyst and carbon incorporation
- Figure 5 is confusing

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- Figure 5 is confusing
- The oxidation reaction of styrene to become products mentioned in Figure 5 should be presented
- There should be an explanation on why the activity of TiO₂/CFB and Fe₂O₃/CFB are greater than CuO/CFB as we know for the bandgap comparison of the materials, CuO 1.2eV, Fe₂O₃ 2.2 eV, TiO₂ 3.2eV. By having lower bandgap, the excitation of photons are easily occurred in the low energy. But as the light was not exist in the system so there have to be different reason.

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Editor
 04-02-2021 04:29 PM

Subject: [BCREC] Final Decision of Your Manuscript [Ms ID: BCREC-2020-9729] Delete

Journal Name: Bulletin of Chemical Reaction Engineering & Catalysis

Article Title: Catalytic performance of TiO₂-carbon mesoporous-derived from fish bones in styrene oxidation with aqueous hydrogen peroxide as an oxidant

Ms ID: BCREC-2020-9729

Dear Prof. Dr. Mukhamad Nurhadi,

I am pleased to confirm that your manuscript submitted to Bulletin of Chemical Reaction Engineering & Catalysis entitled: 'Catalytic performance of TiO₂-carbon mesoporous-derived from fish bones in styrene oxidation with aqueous hydrogen peroxide as an oxidant' has been accepted for publication. Your accepted manuscript will be pre-published soon in the Just Accepted Manuscript and Article In Press (URL: <https://ejournal2.undip.ac.id/index.php/bcrec/issue/view/81>).

We will send you the galley PDF proof correction soon, as we will ask you for some correction of typesetting.

If you did not send the Copyright Transfer Agreement, please fill and signed originally the Copyright Transfer Agreement (downloadable at: <http://bit.ly/bcrec-cta-2020>) and then scan and send to the editorial office email (bcrec@live.undip.ac.id).

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Thank you for submitting your work to this journal.

We very welcome your next manuscript submission to this electronic journal or please to encourage your colleague to submit their manuscript to this journal.

With kind regards,

Yours sincerely,

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