



Maria Yuliana &lt;mariayuliana@ukwms.ac.id&gt;

**Yuliana, Maria ao-2020-04238u - Manuscript Submission to ACS Omega 31-Aug-2020**

1 message

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Mon, Aug 31, 2020 at 8:02 PM

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31-Aug-2020

Journal: ACS Omega

Manuscript ID: ao-2020-04238u

Title: "HYDROPHOBIC CETYLTRIMETHYLAMMONIUM BROMIDE PILLARED BENTONITE AS AN EFFECTIVE PALM OIL BLEACHING AGENT"

Authors: Yuliana, Maria; Sutrisno, Revano; Hermanto, Stefanus; Ismadji, Suryadi; Wijaya, Christian J; Santoso, Shella Permatasari; Soetaredjo, Felycia; Ju, Yi-Hsu

Manuscript Status: Submitted

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**Yuliana, Maria ao-2020-04238u - Manuscript Revision Request 01-Oct-2020**

1 message

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Thu, Oct 1, 2020 at 3:18 PM

01-Oct-2020

Journal: ACS Omega  
Manuscript ID: ao-2020-04238u  
Title: "HYDROPHOBIC CETYLTRIMETHYLAMMONIUM BROMIDE PILLARED BENTONITE AS AN EFFECTIVE PALM OIL BLEACHING AGENT"  
Author(s): Yuliana, Maria; Sutrisno, Revano; Hermanto, Stefanus; Ismadji, Suryadi; Wijaya, Christian J; Santoso, Shella Permatasari; Soetaredjo, Felycia; Ju, Yi-Hsu

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Associate Editor ACS Omega  
Science and Engineering Hall,  
800 22nd St. NW,  
Washington, DC 20052,  
United States

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Reviewer(s)' Comments to Author:

Reviewer: 1

Recommendation: Publish as is; no revisions needed.

Comments:

The introduced manuscript is of significant novelty and scientific interest. The authors introduced a rich study supported by different analyses and valuable discussion. It can be published in this form

Additional Questions:

Is the technical quality of the research reported within valid and appropriate?: Yes

Please evaluate the degree of novelty and originality of the research reported: Good

Are the conclusions adequately supported by the data presented?: Yes

Are the literature references appropriate and up to date?: Yes

Reviewer: 2

Recommendation: Publish after minor revisions.

Comments:

Review attached.

Additional Questions:

Is the technical quality of the research reported within valid and appropriate?: Yes

Please evaluate the degree of novelty and originality of the research reported: Good

Are the conclusions adequately supported by the data presented?: Yes

Are the literature references appropriate and up to date?: Yes

Reviewer: 3

Recommendation: Publish after major revisions.

Comments:

Journal: ACS Omega

Manuscript ID, ao-2020-04238u

After careful review and analysis, the work was deemed worthy of publication. Although it contains some shortcomings, but its research process and results are reliable.

This work mainly focuses on the modification of bentonite to achieve its high stability, corrosion resistance and reduce the use of acid in the process. A new bleaching agent, hexadecyltrimethylammonium bromide column bentonite, was prepared. The following points are considered to need to be added in this work.

First of all, the authors have used a lot of sentences to describe the optimal conditions. But there is a lack of contrast between the results of experiments (before and after chemical modification).

Second, the reasons why beta-carotene removal was used as an indicator were not explained in detail.

Finally, the pictures in the paper are very blurry and need careful resolution to see clearly. I hope the author can further improve the quality of graphs and English statements.

Additional Questions:

Is the technical quality of the research reported within valid and appropriate?: Yes

Please evaluate the degree of novelty and originality of the research reported: Fair

Are the conclusions adequately supported by the data presented?: Yes

Are the literature references appropriate and up to date?: Yes

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 **Review 2.pdf**  
57K



Maria Yuliana &lt;mariayuliana@ukwms.ac.id&gt;

**Yuliana, Maria ao-2020-04238u.R1 - Revised Manuscript Submission to ACS Omega**  
**10-Oct-2020**

1 message

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Sat, Oct 10, 2020 at 12:40 PM

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10-Oct-2020

Journal: ACS Omega

Manuscript ID: ao-2020-04238u.R1

Title: "HYDROPHOBIC CETYLTRIMETHYLAMMONIUM BROMIDE PILLARED BENTONITE AS AN EFFECTIVE PALM OIL BLEACHING AGENT"

Authors: Yuliana, Maria; Sutrisno, Revano; Hermanto, Stefanus; Ismadji, Suryadi; Wijaya, Christian J; Santoso, Shella Permatasari; Soetaredjo, Felycia; Ju, Yi-Hsu

Manuscript Status: Submitted

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**Yuliana, Maria ao-2020-04238u.R1 - Manuscript Accepted 19-Oct-2020**

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Mon, Oct 19, 2020 at 7:53 PM

19-Oct-2020

Journal: ACS Omega  
Manuscript ID: ao-2020-04238u.R1  
Title: "HYDROPHOBIC CETYLTRIMETHYLAMMONIUM BROMIDE PILLARED BENTONITE AS AN EFFECTIVE PALM OIL BLEACHING AGENT"  
Author(s): Yuliana, Maria; Sutrisno, Revano; Hermanto, Stefanus; Ismadji, Suryadi; Wijaya, Christian J; Santoso, Shella Permatasari; Soetaredjo, Felycia; Ju, Yi-Hsu  
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