

Bukti Korespondensi

Prosiding 1

Effect of Advanced Oxidation Process for Chemical Structure
Changes of Polyethylene Microplastics

Corresponding author:

Devita Amelia devita.amelia@tk.itera.ac.id

Fwd: Editor Decision - Revise on your article MATPR-D-21-05689

Kotak Masuk



Devita Amelia <devita.amelia@tk.itera.ac.id>

Jum, 13 Agu
2021, 17.24

kepada saya

Inggris
Indonesia

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From: **Chandra-ambhorn Somrerik** <em@editorialmanager.com>

Date: Tue, Aug 3, 2021, 12:15 PM

Subject: Editor Decision - Revise on your article MATPR-D-21-05689

To: Devita Amelia <devita.amelia@tk.itera.ac.id>

Ms. Ref. No.: MATPR-D-21-05689

Title: Effect of Advanced Oxidation Process for Chemical Structure Changes of Polyethylene Microplastics
Materials Today: Proceedings

Dear devita,

The reviewers have commented on your above paper. They indicated that it is acceptable for publication with minor revision.

However, if you feel that you can suitably address the reviewers' comments (included below), I invite you to revise and resubmit your manuscript on (or) before Aug 15, 2021 .

Please carefully address the issues raised in the comments.

If you are submitting a revised manuscript, please also:

a) outline each change made (point by point) as raised in the reviewer comments

AND/OR

b) provide a suitable rebuttal to each reviewer comment not addressed

To submit your revision, please do the following:

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4. Click [Submissions Needing Revision]

I look forward to receiving your revised manuscript.

Yours sincerely,

Harnnarongchai Wanlop

Guest Editor

Materials Today: Proceedings

Reviewers' comments:

Reviewer 1: The English needs to be strongly improved in all the manuscript.

Repetition of information should be avoided.

Introduction

Page 2 line 1: hydroxyl (OH): You have already defined this above - it does not need to be defined again here.

Page 2 line 8: The authors should revise this sentence "Those are because the addition of H₂O₂ could the decomposition of ozone to form OH radicals."

Page 2: Setting the ozone gas flow rate in the process can be affected the formation of OH radicals in the solution that will be affected the degradation mechanism of the microplastics.

Experiment:

Materials:

- Ozone is not materials used in this work.
- Authors should identify source of the materials (company and country).
- Authors should remove Tools out of the paper because the details of equipment was mentioned in characterization.

Results

- Please change "L/minutes" to "L/min"
- Please change "180 minutes" to "180 min"
- Table 3 - the table caption should be capitalized only first letter of the caption.
- Table 3 - cm-1 not cm-1

Reviewer 2: This is a good article.

However, this can be accepted after minor revision. Please correct as necessary by the following comments:

- Split the long and complex sentences into two sentences. (thoroughly this article)
- In the introduction part, what kind of polymers are used in Lui et al 's work and Uheide et al 's work?
- Check the spelling vocab in topic 2.4. (dan --> and)
- The reviewer could not see the peak of -OH and C=O as the authors claimed . So, please adjust the FT-IR figures (Fig1 and Fig2) by point or zoom-in the importance peaks, which help the reader understand the content of this article.
- Please clarify the area of the absorption band of C=O and the area of Ref. band. Because the author could not see the band clearly.
- Please show the interaction mechanism between ozone and PE during the degradation.
- It was not found in the Fig2 of FT-IR pattern of pH12 (1 LPM, O₃+H₂O₂). Please add this pattern into Fig2.
- Please clarify the area of the C-H absorption band. The author could not see the band clearly.
- Please rewrite the paragraph below Table3.
- Table3 and Table4 have the same content. Please recheck.

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