

## JBAT Review Result

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From: Jurnal BAT (jurnal.bat@mail.unnes.ac.id)

To: ienwati@yahoo.com

Date: Friday, April 22, 2021 at 08:53 AM GMT+7

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Dear Dr. Noor,

We have reached a decision regarding your submission to Jurnal Bahan Alam Terbarukan entitled "Preparation of Dye-Sensitized Solar Cell (DSSC) Using TiO<sub>2</sub> and Mahkota Dewa Fruit (*Phaleria Macrocarpa* (Scheff) Boerl.) Extract". Based on the reviewers' recommendations, the manuscript requires MINOR REVISIONS before it can be reconsidered for publication in the JBAT. The comments from the reviewer(s) can be found in your JBAT account.

Kind Regards,

Jurnal Bahan Alam Terbarukan (Journal of Natural Resources)

<http://journal.unnes.ac.id/nju/index.php/jbat>

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Prof. Dr. Megawati S.T., M.T.

Editor in Chief

Jurnal Bahan Alam Terbarukan (Journal of Biorefinery)

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Reviewer #1:

1. Unclear in certain section of the discussion "The FTIR spectra of mahkota dewa.
2. Sentence needs to be revised for English.
3. give clear argument for the SEM image-
4. Please check the figure caption is incorrect,

Reviewer 2 :

1. Please give the clear argument for the apparatus that be used in electrical test
2. Rephrased the sentence in discussion
3. Give the clear argument why the efficiency test was decrease day by day

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Due date revision

Ms. Ref. No.:

Title: Preparation of Dye-Sensitized Solar Cell (DSSC) Using TiO<sub>2</sub> and Mahkota Dewa Fruit (Phaleria Macrocarpa (Scheff) Boerl.) Extract

## Response to Reviewer

No.	Comment Reviewer	Response to Reviewer
1.	Reviewer #1: Unclear in certain section of the discussion "The FTIR spectra of mahkota dewa.	The term has been standardize throughout the manuscript
2.	Sentence needs to be revised for English.	The sentence in revised manuscript has been improved for its clarity
3.	give clear argument for the SEM image-	The discussion has been added in SEM image
4.	Please check the figure caption is incorrect,	The symbol have been corrected
	Reviewer 2 :	
5.	Please give the clear argument for the apparatus that be used in electrical test	The experiment using a Heles UX-78 multimeter was exposed to sunlight as a light source for 1 hour at 11:00 to 12:00 am. Furthermore, to determine the durability/storage time of the DSSC, current and voltage measurements were carried out periodically (every day) for 6 days
6.	Rephrased the sentence in discussion	The sentences have been rephrased for clear argument
7.	Give the clear argument why the efficiency test was decrease day by day	The direct sunlight exposure will make that the electrons generated from the excitation process are reduced. Increase the absorption of the quantity of sunlight will influence the effectivity of DSSC because organic dyes will easily decay. The solar light will increase the temperature, then

		<p>greatly affects the stability of the anthocyanin structure, the more unstable the anthocyanin compound which causes damage to the anthocyanin structure. Furthermore, according to Mulyawanti et al. (2018), the concentration of anthocyanins will decrease due to sunlight will occurred Maillard's reaction and resulting the degradation of the anthocyanin become another compound such us furfural compounds.</p>
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## JBAT Final Decision

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From: Jurnal BAT (jurnal.bat@mail.unnes.ac.id)

To: ienwati@yahoo.com

Date: Sunday, May 31, 2021 at 08:14 AM GMT+7

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Dear Dr. Noor,

Congratulations, your manuscript, entitled "Preparation of Dye-Sensitized Solar Cell (DSSC) Using TiO<sub>2</sub> and Mahkota Dewa Fruit (*Phaleria Macrocarpa* (Scheff) Boerl.) Extract" Based on the reviewers' recommendations, the manuscript has been **ACCEPTED** to be published in the upcoming JBAT.

Thank you.

Best Regards,

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Prof. Dr. Megawati S.T., M.T.

Editor in Chief

Jurnal Bahan Alam Terbarukan (Journal of Biorefinery)

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