Muhammad Said Usman <msaidusman@unsri.ac.id>

Journal of Science and Technology - Manuscript ID JST-3298-2021

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Cc: msaidusman@unsri.ac.id, saidusman2011@gmail.com, sastriani542@gmail.com, widyatwinirizki@gmail.com, fatechafj@yahoo.com, puji_lukitowati@mipa.unsri.ac.id

12-Nov-2021

Dear Dr. Said,

Your manuscript entitled "Removal of Remazol Yellow Using SnO2-Co Photocatalyst" has been successfully submitted online and is presently being given full consideration for publication in the Journal of Science and Technology.

Your manuscript ID is JST-3298-2021.

Please mention the above manuscript ID in all future correspondence or when calling the office for questions. If there are any changes in your street address or e-mail address, please log in to ScholarOne Manuscripts at https://mc.manuscriptcentral.com/upm-jst and edit your user information as appropriate.

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Thank you for submitting your manuscript to the Journal of Science and Technology.

Sincerely,
Journal of Science and Technology Editorial Office

Journal of Science and Technology - Decision on Manuscript ID JST-3298-2021 (AA)

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Journal of Science and Technology <onbehalfof@manuscriptcentral.com> 3 Januari 2022 15.01
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Cc: msaidusman@unsri.ac.id, saidusman2011@gmail.com, sastriani542@gmail.com, widyatwinirizki@gmail.com, fatechafj@yahoo.com, puji_lukitowati@mipa.unsri.ac.id

03-Jan-2022

Dear Dr. Said,

Manuscript ID JST-3298-2021 entitled "Removal of Remazol Yellow Using SnO2-Co Photocatalyst" which you submitted to the Journal of Science and Technology, has been reviewed. The comments of the reviewer(s) are included at the bottom of this letter. I invite you to respond to the reviewer(s)' comments and revise your manuscript.

To revise your manuscript, log into https://mc.manuscriptcentral.com/upm-jst and enter your Author Center, where you will find your manuscript title listed under "Manuscripts with Decisions." Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision.

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When submitting your revised manuscript, you will be able to respond to the comments made by EACH reviewer (POINT-BY-POINT) in the space provided. You can use this space to document any changes you make to the original manuscript. In order to expedite the processing of the revised manuscript, please be as specific as possible in your response to the reviewer(s).

IMPORTANT: Your original files are available to you when you upload your revised manuscript. Please delete any redundant files before completing the submission.

Because we are trying to facilitate timely publication of manuscripts submitted to the Journal of Science and Technology, your revised manuscript should be submitted BEFORE 17 January 2022. If it is not possible for you to submit your revision by this date, we may have to consider your paper as REJECT.

Once again, thank you for submitting your manuscript to the Journal of Science and Technology and I look forward to receiving your revision.

Sincerely,
Chief Executive Editor, Journal of Science and Technology

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Corresponding Author
1. The information of the “composition of Sn, O, and Co with the values 61.24, 24.67, and 14.09%” is incomplete. State the unit.
2. “it was concluded that SnO2/Co (2:3) is the best composite to degrade Remazol yellow dye.” What is the justification for concluding the material as the best composite?
3. In the literature, should add the following references in the introduction section so it would be more specific for strengthening of the manuscript.
- Modeling and optimization of photocatalytic treatment of pre-treated palm oil mill effluent (POME) in a UV/TiO2 system using response surface methodology (RSM), Cogent Engineering , 2017, Volume 4, Issue 1
- Photocatalytic degradation of remazol yellow using polyaniline–doped tin oxide hybrid photocatalysts with diatomite support, Applied Surface Science, 2018, 455
4. Why FTIR analysis is not conducted?
5. Stirring speed for the synthesis of SnO2-Co should be mentioned.
6. Full terms for XRD, SEM, and UV-Vis DRS should be stated in the abstract.
7. Page 6, line 50, Figure F is not available in the manuscript.
8. Page 12, line 4, Figure 12 which is stated in the text is not available in the manuscript.
9. The statement of “The pH of Remazol yellow measured ranged from 4-5 which shows that there is a correlation between the pH of both the dye and

the composite” should be elaborated.
10. Label this phrase in the graph “at 60 to 180 minutes, the percentage effectiveness of decreasing the concentration was relatively low”.

Reviewer: 2 (with attachment)

Comments to the Corresponding Author
All comments in the attached file

Reviewer: 3

Comments to the Corresponding Author
The manuscript reports the synthesis of SnO2/Co composite and its utilization as photocatalyst to degrade a yellow dye. The Author has not highlighted the novelty of the research. It was mentioned about previous literatures that used similar composites, but there is no information on how this research is different from the previous literatures. The revision need to focus on the structure/grammar use, the novelty of the study and clarification of the research findings. Some additional comments are:
1. In the abstract you mentioned "Therefore, it
was concluded that SnO2/Co (2:3) is the best composite to degrade
Remazol yellow dye." How do you know it is the best composite? compare to what? This may ne regarded as "over-claim".
2. You focused on Remazol yellow, but the literatures that reported on this dye are lacking (see 1st paragraph of introduction). Could you add more literatures that specifically deal with this dye?
3. In the last paragraph of introduction, you mentioned about research by Sivakarthik et.al that used same materials to degrade methyl violet. Could you find other literatures that used similar materials? These other literatures may help to build the novelty of your study. Please highlight the novelty of your study, how is it different from previous studies?
4. In the method, please add literatures used as benchmark of the selected method. Currently, there are no literature cited in the method.
5. Page 12, line 25, mentioned about Figure 12, but there is no figure 12 in the manuscript.
6. In Figure 5, there are curves for photocatalyst and adsorption, it is not clear how the data is derived and calculation used to get the data (of colour removal). Please add the calculation/formula used in the method.
7. In Figure 5, it is not clear if the data for photodegradation are single data from one measurement or average value? how about the reproducibility of the data?
8. From the initial concentration data (Figure 6), it is clear that the low dye concentration (10 ppm) gave better colour removal, but the experiment on the effect of degradation time used 25 ppm of dye concentration. How can this be justified?
9. In the method, the Author mentioned that they used dye concentration from 5-25 ppm (see page 5 line 15), but the data for 5 ppm was not found in Figure 6, and there was also data for 30 ppm (which was not mentioned in the method). Please clarify.
10. It will be useful of the Author compared the colour removal data (percentage) with other literatures to see if this composite is really potential in dye removal.
11. For adsorption data, sometimes it is more useful to state adsorption efficiency in mg/g (of adsorbent). Can this value be derived from your data?
12. The Author use 0.5 g of composite (dose), how this dose compared to other literatures? Please clarify.

JST-3298-2021-MS-Rev-Kit---Comments-on-MS--RW02-.pdf
657K

Muhammad Said Usman <msaidusman@unsri.ac.id> 3 Januari 2022 15.24
Kepada: Wan Ryan Asri <wanryanryan@gmail.com>

[Kutipan teks disembunyikan]

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Muhammad Said Usman <msaidusman@unsri.ac.id>

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Cc: msaidusman@unsri.ac.id, saidusman2011@gmail.com, sastriani542@gmail.com, widyatwinirizki@gmail.com, fatechafj@yahoo.com, puji_lukitowati@mipa.unsri.ac.id

14-Feb-2022

Dear Dr. Said:

It is a pleasure to accept your manuscript entitled "Removal of Remazol Yellow Using SnO2-Co Photocatalyst" in its current form for publication in the Journal of Science and Technology.

You are now required to duly complete the attached “Copyright Agreement” and return it to journal.officer-2@upm.edu.my. Please refer to http://www.pertanika.upm.edu.my/pjst/publishing-charge to make payment (Pertanika Journal Processing Fee - USD 250). After the Copyright Agreement & Proof of Payment is received by our office, you shall then receive an official acceptance letter in due course of time.

Thank you for your fine contribution. On behalf of the Editors of the Journal of Science and Technology, we look forward to your continued contributions to the Journal.

Sincerely,
Chief Executive Editor, Journal of Science and Technology

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