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[STI] Article Review Request

1 pesan

Prof. Aldes Lesbani <scitechindones@gmail.com>
Kepada: Hary Widjajanti <hary_widjajanti@unsri.ac.id>

3 Oktober 2022 pukul 09.22

Hary Widjajanti:

I believe that you would serve as an excellent reviewer of the manuscript, "Determination of (+)-Catechin and Antioxidant Activity in Sterculia quadrifida R. Br Stem Bark Infusion ," which has been submitted to Science and Technology Indonesia. The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us.

Please log into the journal web site by 2022-10-11 to indicate whether you will undertake the review or not, as well as to access the submission and to record your review and recommendation.

The review itself is due 2022-11-04.

Submission URL: <https://scitechindonesia.com/index.php/jsti/reviewer/submission?submissionId=596&reviewId=656&key=n4THNK>

Thank you for considering this request.

Prof. Aldes Lesbani
admin@scitechindonesia.com

"Determination of (+)-Catechin and Antioxidant Activity in Sterculia quadrifida R. Br Stem Bark Infusion "

Oxidative stress is a condition that can damage human cells and tissues and has been linked to a number of illnesses, including cancer, cardiovascular disease, autoimmune disorders, and neurological diseases. Oxidative stress conditions can be brought on by pollution, radiation exposure, and an unhealthy lifestyle. Antioxidants are substances that can be used to both prevent and treat oxidative stress. This study aimed to identify and quantify (+)-catechin levels and antioxidant activity of the stem bark of *Sterculia quadrifida* R. Br extracted by the infusion method, a method similar to traditional medicine processing generally in the community. Determination of (+)-catechin and antioxidant activity of *S. quadrifida* were evaluated by HPLC and DPPH assay, respectively. Quantification of (+) catechin content by HPLC system with wavelength 280 nm and antioxidant activity by spectrophotometry method with wavelength 517 nm. The results show that the mean value of (+)-catechin level was 7.786% and the IC₅₀ value of the antioxidant activity was 51.5µg/mL having a moderate antioxidant activity category. *S. quadrifida* stem bark infusion can be utilized as a medication candidate for the prevention or treatment of a variety of disorders caused by oxidative stress

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Review:Determination of (+)-Catechin and Antioxidant Activity in Faloak (*Sterculia quadrifida* R. Br) Stem Bark Infusion

1. Request
2. Guidelines
3. Download & Review
4. Completion

Request for Review

You have been selected as a potential reviewer of the following submission. Below is an overview of the submission, as well as the timeline for this review. We hope that you are able to participate.

Article Title

Determination of (+)-Catechin and Antioxidant Activity in Faloak (*Sterculia quadrifida* R. Br) Stem Bark Infusion

Abstract

Oxidative stress is a condition that can damage human cells and tissues and has been linked to a number of illnesses, including cancer, cardiovascular disease, autoimmune disorders, and neurological diseases. Oxidative stress conditions can be brought on by pollution, radiation exposure, and an unhealthy lifestyle. Antioxidants are substances that can be used to both prevent and treat oxidative stress. This study aimed to identify and quantify (+)-catechin levels and antioxidant activity of the stem bark of *Sterculia quadrifida* R. Br extracted by the infusion method, a method similar to traditional medicine processing generally in the community. Determination of (+)-catechin and antioxidant activity of *S. quadrifida* were evaluated by HPLC and DPPH assay, respectively. Quantification of (+) catechin content by HPLC system with wavelength 280 nm and antioxidant activity by spectrophotometry method with wavelength 517 nm. The results show that the mean value of (+)-catechin level was 7.786% and the IC50 value of the antioxidant activity was 51.5 ug/mL having a moderate antioxidant

activity category. *S. quadrifida* stem bark infusion can be utilized as a medication candidate for the prevention or treatment of a variety of disorders caused by oxidative stress.

Review Type

Anonymous Reviewer/Anonymous Author

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Review Schedule

2022-10-03

Editor's Request

2022-10-11

Response Due Date

2022-11-04

Review Due Date

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Save and continue



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Review:Determination of (+)-Catechin and Antioxidant Activity in Faloak (*Sterculia quadrifida* R. Br) Stem Bark Infusion

1. Request 2. Guidelines 3. Download & Review 4. Completion

Reviewer Guidelines

1. The responsibility of the reviewers

If you accept to be the reviewer, you must treat the document as confidential documents. You are not allowed to share them with anyone without prior authorization for the journal editor and due to the peer review is confidential, you also not allowed to share information about the review with anyone without permission from both editor and author.

2. The review report

The report of your review will help the journal editor decide whether or not the article to be published in our journal. Please give all of your opinions and general observation of the reviewed article. Please make sure that your comment is courteous and constructive to the article content and do not include any personal remarks or your personal details, i.e. name, address, etc.

During the commenting the article, you should explain and support your judgment in order to make the editor and author easily understand the reasoning behind your comments.

3. Checklist

Summarize the article in a short paragraph. This shows the editor you have read and understood the research.

Give your main impressions of the article, including whether it is novel and interesting, whether it has a sufficient impact and adds to the knowledge base.

Point out any journal-specific points – does it adhere to the journal's standards?

If you suspect plagiarism, fraud or have other ethical concerns, raise your suspicions with the editor, providing as much detail as possible. Give specific comments and suggestions, including about layout and format, Title, Abstract, Introduction, Graphical Abstracts and/or Highlights, Method, statistical errors, Results, Conclusion/Discussion, language, and References.

4. Your recommendation

When you make a recommendation, it is worth considering the categories the editor most likely uses for classifying the article:

Reject (explain reason in report)

Accept without revision

Revise – either major or minor (explain the revision that is required, and indicate to the editor whether or not you would be happy to review the revised article)

[Continue to Step #3](#)

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Review:Determination of (+)-Catechin and Antioxidant Activity in Faloak (Sterculia quadrifida R. Br) Stem Bark Infusion

1. Request **2. Guidelines** 3. Download & Review **4. Completion**

Review Files		Q Search
3388	Double blind_STI 596.docx	October 3, 2022 Manuscript

Reviewer Guidelines

[Review Guidelines](#)

EVALUATION FORM SCIENCE & TECHNOLOGY INDONESIA

Please give your appreciation of the scientific interest and novelty of results described below.

The originality of the work? *

Excelllent

- Good
- Fair
- Poor

Scientific merit/importance to the field? *

- Excellent
- Good
- Fair
- Poor

Does the title properly and clearly describe the paper? *

- Excellent
- Good
- Fair
- Poor

Are all required components included in the abstract? Are the keywords appropriately chosen? *

- Excellent
- Good
- Fair
- Poor

Are the material and methods (Experimental section) described clearly? No ambiguity? *

- Excellent
- Good
- Fair
- Poor

Is the mathematical formalism logical and clearly presented? (For theoretical work only)

- Excellent
- Good
- Fair
- Poor

Description of the experimental design? *

- Excellent
- Good
- Fair
- Poor

The result presented in systematic and appropriate form? *

- Excellent
- Good
- Fair
- Poor

Statistical treatment data? (If necessary)

-
- Excellent
- Good
- Fair
- Poor

Relevance of discussion *

- Excellent
- Good
- Fair
- Poor

Soundness of interpretation and conclusion? *

- Excellent
- Good
- Fair
- Poor

Appropriate literature citations? Are key reference given? *

- Excellent
- Good
- Fair

Poor

Quality of figures *

Excellent

Good

Fair

Poor

Clarity and style of tables *

Excellent

Good

Fair

Poor

Article length *

Excellent

Good

Fair

Poor

Overall quality of the paper *

Excellent

Good

- Fair
- Poor

Does the article contain original and self-consistent ideas? *

- Excellent
- Good
- Fair
- Poor

Is the English satisfactory? *

- Excellent
- Good
- Fair
- Poor

Referee's recommendation: *


- Acceptable in present form
- Acceptable with grammatical revision
- Acceptable with minor technical revision
- Acceptable with major technical revision
- Submit to further refereeing
- Reject article

Detailed comment (if any, in Indonesian or English)

Mohon penulisan mengikuti author guideline, selain itu mohon diperbaiki bahasa Inggrisnya (sebaiknya dilakukan proofreading). Result and Discussion mohon diperdalam lagi.

Upload

Upload files you would like the editor and/or author to consult, including revised versions of the original review file(s).

Reviewer Files		Q Search
 3507	sti-review-assignment-596-manuscript-3388.docx	November 5, 2022

Review Discussions					Add discussion
Name	From	Last Reply	Replies	Closed	
<i>No Items</i>					

Recommendation

Select a recommendation and submit the review to complete the process. You must enter a review or upload a file before selecting a recommendation.

Revisions Required 

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Review:Determination of (+)-Catechin and Antioxidant Activity in Faloak (Sterculia quadrifida R. Br) Stem Bark Infusion

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Review Submitted

Thank you for completing the review of this submission. Your review has been submitted successfully. We appreciate your contribution to the quality of the work that we publish; the editor may contact you again for more information if needed.

Review Discussions					Add discussion
Name	From	Last Reply	Replies	Closed	
<i>No Items</i>					



hary_widjajanti unsri <hary_widjajanti@unsri.ac.id>

Thank Reviewer

2 pesan

Aldes Lesbani <sciencetechindonesia@gmail.com>
Kepada: hary_widjajanti unsri <hary_widjajanti@unsri.ac.id>

15 November 2022 pukul 22.27

Dear Dr. Hary Widjajanti,

Thank you for completing the review of the submission, "Determination of (+)-Catechin and Antioxidant Activity in Sterculia quadrifida R. Br Stem Bark Infusion ," for Science and Technology Indonesia. We appreciate your contribution to the quality of the work that we publish.

Sincerely Yours,

Editor-in-Chief

Prof. Aldes Lebani, Ph.D.

Science & Technology Indonesia

<http://sciencetechindonesia.com>

 **Certificate (Dr. Hary Widjajanti2).pdf**
178K

hary_widjajanti unsri <hary_widjajanti@unsri.ac.id>
Kepada: Aldes Lesbani <sciencetechindonesia@gmail.com>

19 November 2022 pukul 14.15

Dear Editor in Chief Prof. Aldes Lesbani, Ph. D

I have received the sertificate. Thank you very much for your appreciation to me.

Best regards

Hary Widjajanti

[Kutipan teks disembunyikan]

CERTIFICATE OF RECOGNITION

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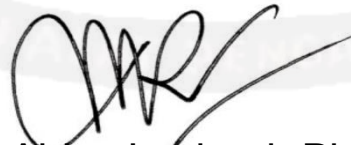
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THIS CERTIFICATE IS AWARDED TO

Dr. Hary Widjajanti, M.Si.

In recognition for your valuable contribution as reviewer in the peer reviewer process to maintain the quality and high academic standards of the journal

Indonesia, Palembang, 15 November 2022



Prof. Aldes Lesbani, Ph.D
Editor in Chief