

# 1. Proses Submit

The screenshot shows an email from Suci Suciati to the Editor-in-Chief of the Tropical Journal of Natural Product Research (TJNPR). The email is titled "Manuscript submission" and is marked as "External". The sender's name is SUCI SUCIATI, with the email address <suciati@ff.unair.ac.id>. The recipient is the Editor-in-Chief. The email content includes a greeting to Prof. Abiodun Falodun, a statement of intent to submit a manuscript titled "Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*", and a note that the manuscript has been submitted through the online system. Two attachments are listed at the bottom.

Manuscript submission **External** **Inbox**

SUCI SUCIATI <suciati@ff.unair.ac.id>  
to Editor-in-Chief

Sat, May 21, 11:42 AM

Dear Prof. Abiodun Falodun,

I wish to submit a new manuscript entitled "Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*" for consideration by the **Tropical Journal of Natural Product Research**.

I have submitted the manuscript through the online submission system. Attached are the manuscript as well as screenshot of the submission system. Hopefully this manuscript is suitable for publication in TJNPR.

Best Regards,

Suci

Dr. Suciati  
Lecturer, Department of Pharmaceutical Sciences  
Faculty of Pharmacy, Universitas Airlangga  
Campus C-UNAIR Surabaya, East Java, Indonesia, 60115.

2 Attachments

The screenshot shows a response email from the Editor-in-Chief of TJNPR to Suci Suciati. The email is dated Saturday, May 21, 2:39 PM. The recipient is DR Suciati. The editor thanks her for her submission and provides instructions for the next steps, including sending reviewer names and affiliations. The manuscript title is repeated: "Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*". The editor's name and title are provided at the bottom.

Editor-in-Chief TJNPR <editor.tjnpr@gmail.com>  
to me

Sat, May 21, 2:39 PM

Dear DR Suciati,

Thank you for your submission to the Tropical Journal of Natural Product Research ([www.tjnpr](http://www.tjnpr)) <https://www.scopus.com/sourcoid/21100933230> SCOPUS, published by the University of Benin and Natural Product Research Group.

Kindly send the names, affiliations and VALID email addresses and the **UNIT** of three potential reviewers, two from your country and the other from outside your country. The email addresses of the two authors are also needed, stating also their roles in the study.

The peer-review process will commence immediately, as the manuscript will be passed to an editor for initial assessment as soon as possible.

Title: **Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis***

Best regards

Abiodun

Professor Abiodun Falodun, PhD

Editor-in-Chief:  
Tropical Journal of Natural Product Research (TJNPR)  
Head, Natural Product Research Group, University of Benin  
Email: [editor.tjnpr@uniben.edu](mailto:editor.tjnpr@uniben.edu); [editor.tjnpr@gmail.com](mailto:editor.tjnpr@gmail.com)  
[www.tjnpr.org](http://www.tjnpr.org) SCOPUS, SCImago SJR Q4 0.13  
<https://www.scopus.com/sources.uri>

## 2. Proses Review

The screenshot shows a Gmail interface with a search bar containing "editor.tjnpr@gmail.com". The email subject is "Editorial decision on manuscript submitted for publication in TJNPR". The sender is "Editor-in-Chief TJNPR" and the recipient is "me". The email content includes:

Dear Dr. Suciati,

The manuscript submitted to the Tropical Journal of Natural Product Research [www.tjnpr.org](http://www.tjnpr.org) Q4 <https://www.scopus.com/sourceid/21100933230> has been carefully reviewed by competent experts. Find attached the details of the decision.

Please send your response urgently to the editor-in-chief, to enable us to process your manuscript for the next issue **Vol 6 Issue 6, 2022**. Kindly acknowledge the receipt of the mail.

**Title:** Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*  
**Authors:** Suciati\*, Hanifa Rahma Putri, Wachidatur Rizqiyah, Chrismawan Ardianto, Aty Widyawaruyanti

TJNPR Editorial Decision: accepts with moderate corrections  
Congratulations

Best regards

The screenshot shows a Gmail interface with a search bar containing "editor.tjnpr@gmail.com". The email subject is "Review comments". The sender is "Editor-in-Chief TJNPR" and the recipient is "me". The email content includes:

Review comments (Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*)

**Editorial comments to authors**

Begin abstract with a brief background.

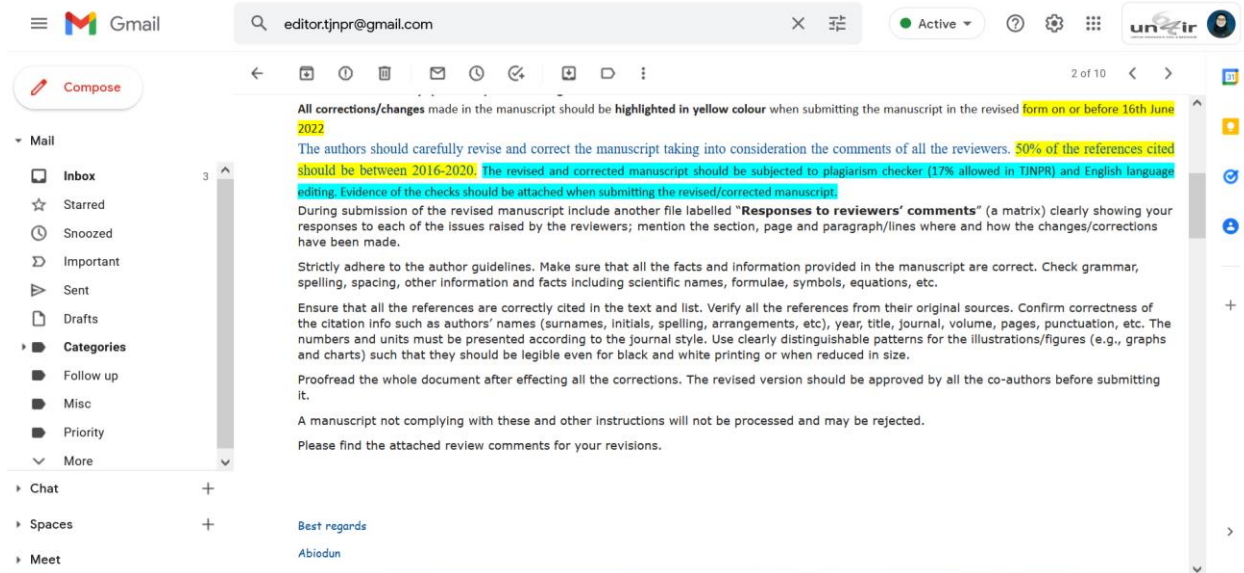
Materials and Methods: Include section for statistical analysis.

**A declaration of the liability** of the authors for claims relating to the content of this article should also be included when submitting the revised manuscript. This should be stated as follows;  
**Authors' Declaration**  
The authors hereby declare that the work presented in this article are original and that any liability for claims relating to the content of this article will be borne by them.

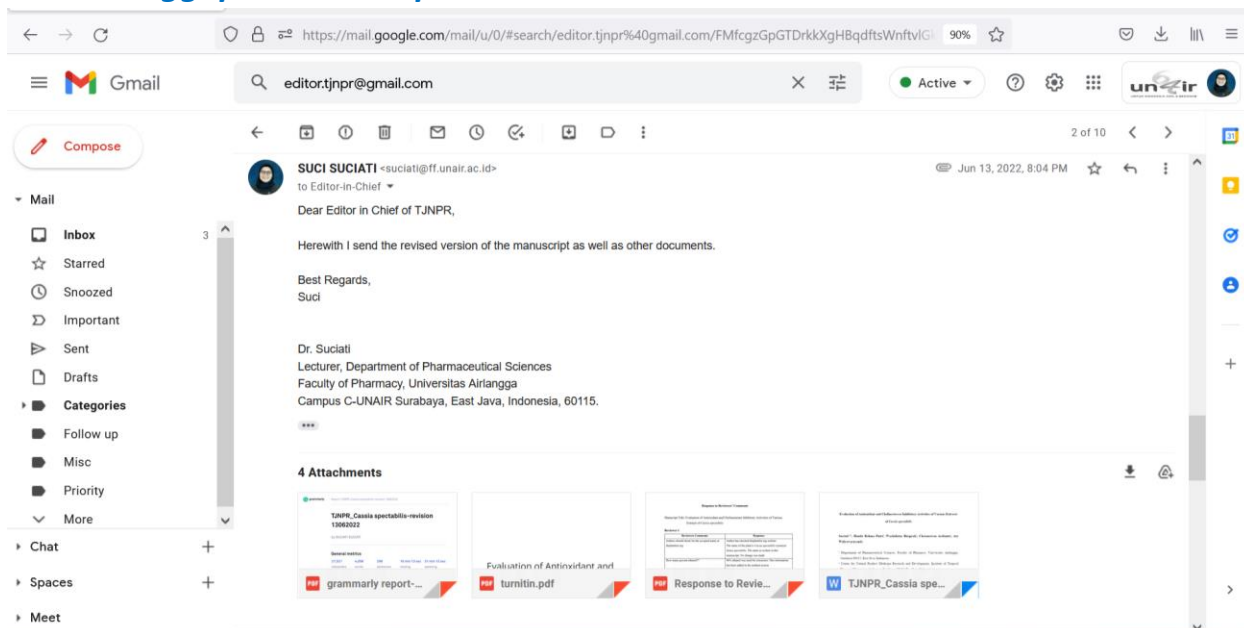
**All comments/corrections made by reviewers should be completely addressed, point by point, and make appropriate changes in the manuscript, or provide a suitable rebuttal to any specific request for change that has not been made.**

**All corrections/changes made in the manuscript should be highlighted in yellow colour when submitting the manuscript in the revised form on or before 16th June 2022.**

The authors should carefully revise and correct the manuscript taking into consideration the comments of all the reviewers. **50% of the references cited should be from 2012-2021.**



## Tanggapan Terhadap Komentar Reviewers



## Response to Reviewers' Comments

Mancript Title: Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*

### Reviewer 1

Reviewers Comments	Response
Authors should check for the accepted name at theplantlist.org	Author has checked theplantlist.org website The name of the plant is <i>Cassia spectabilis</i> synonym <i>Senna spectabilis</i> . The same as written in this manuscript. No change was made
How many percent ethanol??	96% ethanol was used for extraction. This information has been added in the method section
If the leaves of Cassia spp eas screened for cholinesterase inhibitor. What is the justification for comparing the potency of leaves and stems of C. spectabilis.	The potency of the stem as cholinesterase inhibitor has not been reported before as well as the antioxidant activity of the stem and leaves. Leaves and stems are the most abundant part of this plant. Therefore, author interested to compare the cholinesterase inhibitor as well as the antioxidant activity of leaves and stems. This information has been added in the introduction section.
Please justify the protocol used for this assay.	The extraction method used in this research is maceration method. It is a common extraction procedure, therefore, there is no need to include reference.
Figures 1, 2, 3 and 4 : This should be presented along with the standard	The IC <sub>50</sub> values of standards, galantamine for cholinesterase inhibitor, and gallic acid for antioxidant have been included in Tables 1 and 2. Therefore, it is not necessary to put it in the graph.
Abstract can be improved upon. Please check the grammatical errors in the manuscript	Background for study has been added, and grammatical errors corrected.
Introduction not written properly. And there are a lot of irrelevant sentences that makes the section hard to comprehend. Hence authors should rewrite the section, provide the statement of problem and justification for the study and strive for clarity.	Sentence has been added to justify the problem for the study
The methodology is not adequate. Statistical analysis not provided	Statistical analysis section has been added
Results can be improved upon. And should be separated from discussion section for better understanding of the work and clarity. Also, all figures and tables should be interpreted in respect to the standard used	Author has followed the guideline of the journal that Results and Discussion can be combine.

More articles are required to improve the discussion section. Discussion should be separated from results.	Author has followed the guideline of the journal that Results and Discussion can be combine. Several new references have been added
Conclusion align with the objective of the study but can be improved upon	Thank you. Author prefer to keep as written in the manuscript

## Reviewer 2

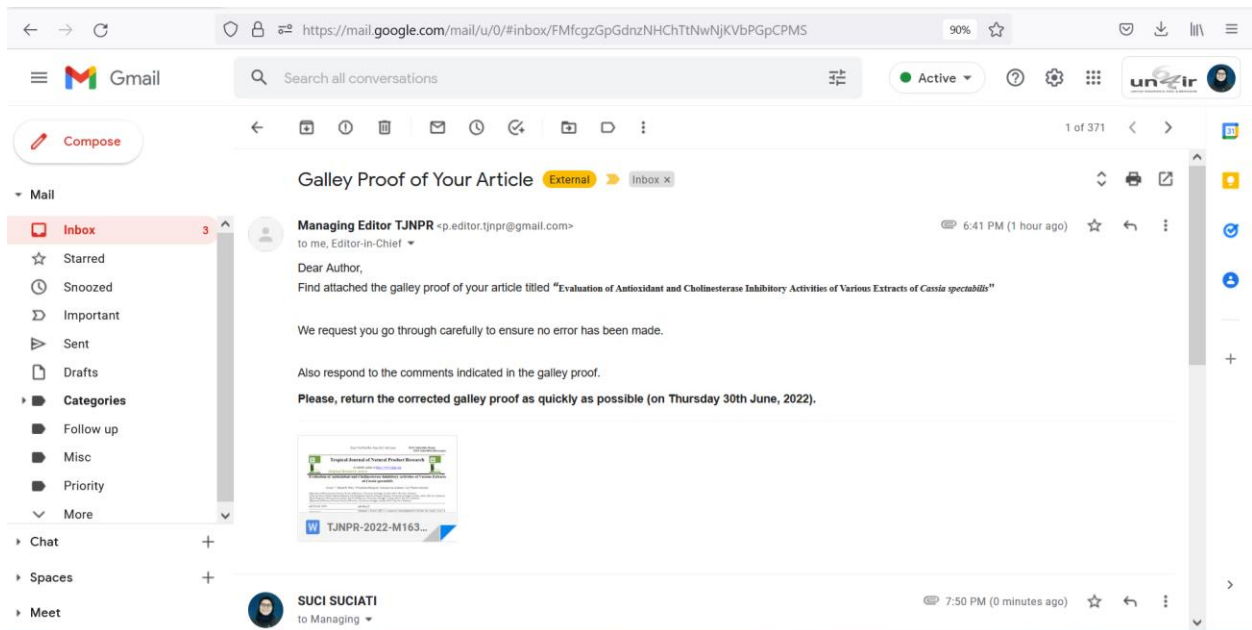
Reviewers Comments	Response
The abstract is good and clear. However, the authors should delete two keywords which are Alzheimer's disease and cholinesterase inhibitor, and provide with other keywords since those two keywords are not found in the abstract	Background of the research has been added in the abstract. This include Alzheimer's disease and cholinesterase inhibitor. Therefore these keywords were used
The introduction is clearly explain the background and the importance of the study. <ul style="list-style-type: none"> <li>• A very minor typo was found on page 3 line 4: bacopa monnieri → Bacopa monnieri</li> <li>• Why were the authors interested to compare the potency of the leaves and stems of C. spectabilis as cholinesterase inhibitors</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Bacopa monnieri</i> has been revised</li> <li>• Justification why the study was conducted has been added in the introduction section</li> </ul>
The research methodology was well described and appropriate. There are a few issues regarding the methodology and need to be addressed by the authors: <ul style="list-style-type: none"> <li>• What percentage of ethanol that was used for extraction?</li> <li>• The authors described that the total phenolic content was determined as follows: The TPC of the extracts was determined according to the method Zhang et al. (2006) and Herald et al . (2012) with slight modification. Briefly,.....and Folin &amp; Ciocalteu's phenol reagent (25 µL).<sup>29</sup> According to the decription, the authors only briefly explained the method that was referred to Zhang et al. because the citation that was used for that description was from Zhang et al. and not citing the Herald et al. as well,</li> </ul>	<ul style="list-style-type: none"> <li>• 96% ethanol was used for extraction. This information has been added in the method section</li> <li>• Reference used us Herald et al (2012). The sentences have been revised as well as the reference</li> </ul>

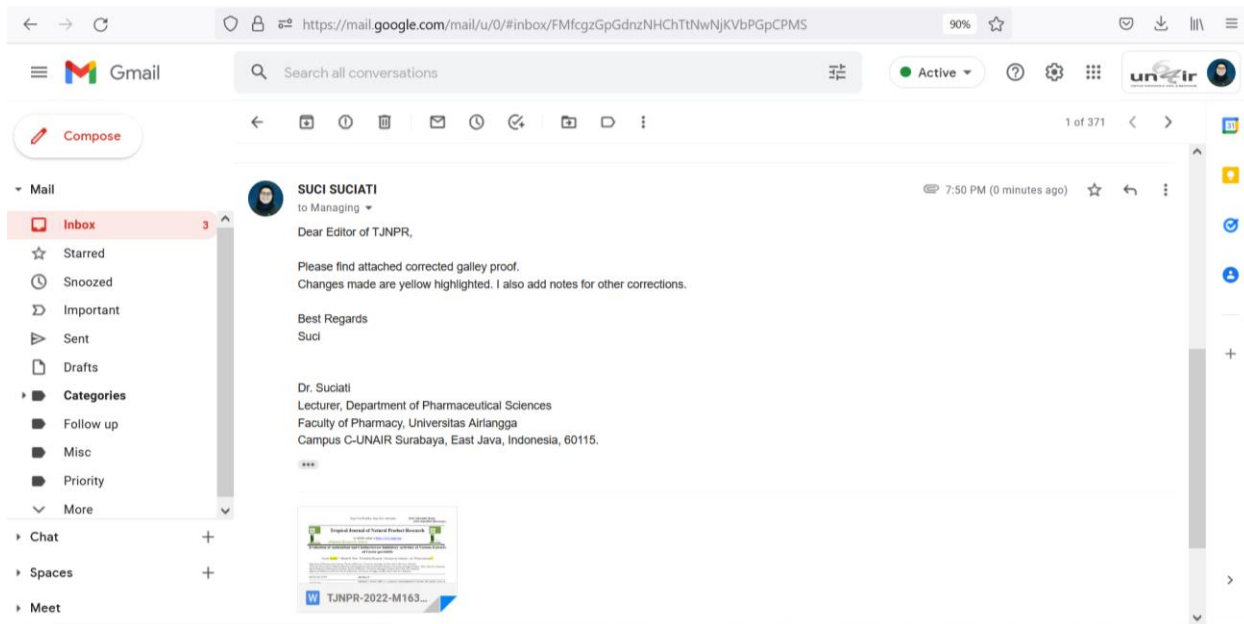
<p>although in the previous sentence it was mentioned that the determination was based on the method by Zhang et al. and Herald et al. Therefore, the authors should make confirmation whether the method that was used referred to Zhang et al. or to Zhang et al. and Herald et al.?</p>	
<p>The finding of the study was well discussed and clear. However, there are a few issues need to be addressed by the authors for the antioxidant activity.</p> <ul style="list-style-type: none"> <li>• Page 9 line 16 :</li> </ul> <p>The results of the DPPH and ABTS scavenging activity of the extracts are shown in Table 1 → Table 1 is the table of Cholinesterase inhibitory activities of <i>C. spectabilis</i> extracts NOT the DPPH and ABTS scavenging activity of the extracts.</p> <ul style="list-style-type: none"> <li>• The authors reported the extract of the leaves of <i>C. spectabilis</i> has moderate antioxidant activity based on DPPH assay with the IC50 value of <math>313.8 \pm 5.9 \mu\text{g/mL}</math> In contrast to the previous report by Jothy et al. (2012), the leaves of <i>C. spectabilis</i> showed low antioxidant activity with IC50 value of <math>30.178 \pm 0.129 \text{ mg/mL}</math> in the DPPH assay. Why did the authors categorised the antioxidant activity using DPPH assay on the present study as moderate remembering the IC50 value of the present study was much more higher than the IC50 value of the study by Jothy et al.? Moreover, the IC50 value of ABTS assay was also categorised as moderate. Any reference (s) that was used by the authors to conclude that the antioxidant activity was categorised as moderate?</li> </ul>	<ul style="list-style-type: none"> <li>• Thank you, the results of antioxidant assays are presented in Table 2. The sentence has been revised</li> <li>• The IC50 values for DPPH and ABTS assays in this study are <math>117 - 313 \mu\text{g/mL}</math> whereas in Jothy et al is <math>30.178 \pm 0.129 \text{ mg/mL}</math> or equivalent to <math>30\ 178,00 \mu\text{g/mL}</math>. This value is 100 times higher than the value reported in our study.</li> </ul>
<p>Conclusion is representing the work and in accordance with the aims of the study. However, the conclusion of the antioxidant activity as moderate still need to be confirmed by the author</p>	<ul style="list-style-type: none"> <li>• As has been discussed above</li> </ul>
<ul style="list-style-type: none"> <li>• Figures and tables are well presented and clear.</li> <li>• Figure 3 and Figure 4 are suggested in color (if possible) to differentiate between leaves and stem extracts especially in the concentration between <math>0-100 \mu\text{g/mL}</math> which are overlapping</li> </ul>	<ul style="list-style-type: none"> <li>• Figures 3 and 4 have been coloured coded</li> </ul>

**Editor**

Editor Comments	Response
Begin abstract with a brief background.	A brief background has been added
Materials and Methods: Include section for statistical analysis.	Statistical analysis has been added
A <b>declaration of the liability</b> of the authors for claims relating to the content of this article should also be included when submitting the revised manuscript	A <b>declaration of the liability</b> of the authors has been added as suggested

### 3. Galley Proof





## 4. Artikel Diterbitkan

The screenshot displays the journal's website with the following details:

- Navigation:** Home, About, For Authors, For Reviewers, Login, Issues, Copyright Policy, Payment, Contact Us, Search.
- Breadcrumbs:** Home / Archives / Vol. 6 No. 6 (2022): Tropical Journal of Natural Product Research / Articles
- Article Title:** Evaluation of Antioxidant and Cholinesterase Inhibitory Activities of Various Extracts of *Cassia spectabilis*
- DOI:** doi.org/10.26538/tjnpr/v6i6.17
- Authors:**
  - Suciati Suciati**: Department of Pharmaceutical Sciences, Faculty of Pharmacy, Universitas Airlangga, Surabaya 60115, East Java, Indonesia
  - Hanifa R. Putri**: Master Program in Pharmaceutical Science, Faculty of Pharmacy, Universitas Airlangga, Surabaya 60115, East Java, Indonesia
  - Wachidatur Rizqiyah**: Center for Natural Product Medicine Research and Development, Institute of Tropical Diseases, Universitas Airlangga, Surabaya, 60115, East Java, Indonesia
- Publication Info:** Published: Jun 1, 2022
- Keywords:** Alzheimer's disease, *Cassia spectabilis*, Cholinesterase inhibitor, Antioxidant
- Journal Cover:** Tropical Journal of Natural Product Research (TJNPR)
- Thumbnail:** MANUSCRIPT