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 **Journal of Basic and Clinical Physiology and Pharmacology** <onbehalfof@manuscriptcentral.com>  
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26-Nov-2020

Dear Dr. Suciati,

Your manuscript entitled "Acetylcholinesterase inhibitory activity of extract and fractions from the root of Rauvolfia serpentina(L.) Bth.ex Kurz" has been successfully submitted online and is presently being given full consideration for publication in Journal of Basic and Clinical Physiology and Pharmacology (**JBCPP**).

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Thank you for submitting your manuscript to **JBCPP**.

Kind regards  
Ms. Katharina Appelt  
Journal of Basic and Clinical Physiology and Pharmacology  
[jbcpp\\_editorial@degruyter.com](mailto:jbcpp_editorial@degruyter.com)

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# 2. Proses Review

**Decision Letter (JBCPP.2020.0401)**

**From:** jbcpp\_editorial@degruyter.com  
**To:** suciati@ff.unair.ac.id  
**CC:**  
**Subject:** JBCPP.2020.0401 - DecisionRevise with Minor Modifications  
**Body:** 03-Jan-2021

Dear Dr. Suciati:

Thank you again for submitting your manuscript ID JBCPP.2020.0401 entitled "Acetylcholinesterase inhibitory activity of extract and fractions from the root of Rauvolfia serpentina(L.) Bth.ex Kurz" to Journal of Basic and Clinical Physiology and Pharmacology (JBCPP). Your manuscript has been reviewed and requires minor modifications prior to acceptance. 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/jbcpp> and enter your Author Center, where you will find your manuscript title listed under "Manuscripts Awaiting Revision". Under "Actions", click on "Create a Revision". Your manuscript number has been appended to denote a revision.

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Your original files are available to you when you upload your revised manuscript. You may delete these files or keep them. Please pay attention to the order of your uploaded files, the first one is the reply to the reviewer(s)' comments, followed by the revised manuscript, and, if applicable, Tables and Figures, and Supplementary Material. If you decide to keep the original files, these must be the last ones in the order of your uploaded files.

Once again, thank you for submitting your manuscript to JBCPP. I look forward to receiving your revision.

Kind regards  
Dr. Andang Miatmoko  
Guest Editor, Journal of Basic and Clinical Physiology and Pharmacology

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author

1. It would be better if the authors describe the differences between AChE and BChE and their respective influences in this study. What happens if the inhibition of AChE is higher than BChE or vice versa can be described in more detail in discussion section to improve this article.
2. Tables 1 and 2 presented the IC50 value using the same method, it would be better if combined
3. The positive controls results are better displayed in the figure.
4. The statistical analysis are also better presented in figure too rather than in discussion.
5. In the method, the concentration tested was in the range 0.2-200 µg/mL but why does the figures presented only at 100 µg/mL
6. It is necessary to explain how much strength the alkaloid group compounds compared to other groups as anti-cholinesterase, so that only the alkaloid class compounds are selected

Reviewer: 2

Comments to the Author

Overall, this is a clear, concise, and well-written manuscript. The introduction is relevant and theory based. Sufficient information about the previous study findings is presented for readers to follow the present study rationale and procedures. The methods are generally appropriate and the results are clear.

Please consider for paraphrasing your article, which has a similarity index of 32%,

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Date Sent: 03-Jan-2021

## Tanggapan Terhadap Komentar Reviewers

### Response to Reviewer's Comments

Comments	Response
It would be better if the authors describe the differences between AChE and BChE and their respective influences in this study. What happens if the inhibition of AChE is higher than BChE or vice versa can be described in more detail in discussion section to improve this article	Explanation for AChE and BChE has been added in the discussion section. "In the healthy brain, AChE predominates, while BChE plays a minor role. However, in AD patients, the activity of BChE is increased progressively, while the activity of AChE remains unchanged [19]."
Tables 1 and 2 presented the IC50 value using the same method, it would be better if combined	Author prefer to keep it separate since table 1 is for fractions and table 2 for subfractions of the n buthanol. The separation of the table to prevent reader from confusion in reading the data
The positive controls results are better displayed in the figure	positive control has been added in figure 2
The statistical analysis are also better presented in figure too rather than in discussion	Author prefer to keep it in the discussion section.
In the method, the concentration tested was in the range 0.2-200 µg/mL but why does the figures presented only at 100 µg/mL	for screening the concentration used was 100 µg/mL, and for IC50 measurement the concentration range was 0.2-200 µg/mL. This has been stated in the method.
It is necessary to explain how much strength the alkaloid group compounds compared to other groups as anti-cholinesterase, so that only the alkaloid class compounds are selected	It has been stated in the introduction section that majority class of compound for AChE inhibitor is alkaloid. Moreover, R. serpentina has been known to contain alkaloid as major compound. Therefore the study focus on the alkaloid compound.

Similarity index 32%	Several sentences have been rewritten
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## Other revision made by author

1. Addition of reference (Ref no 19)
2. Revision of some grammatical error as well as typos

## 3. Acceptance Letter

**Decision Letter (JBCPP.2020.0401.R1)**

**From:** jbcpp.editorial@degruyter.com  
**To:** suclati@ff.unair.ac.id  
**CC:**  
**Subject:** JBCPP.2020.0401.R1 - DecisionAccept  
**Body:** 26-Jan-2021

Dear Dr. Suclati:

I would like to thank you for submitting your manuscript entitled "Acetylcholinesterase inhibitory activity of extract and fractions from the root of Rauvolfia serpentina(L.) Bth.ex Kurz" to Journal of Basic and Clinical Physiology and Pharmacology (JBCPP). Your manuscript has been reviewed, and it is a pleasure to accept it for publication in JBCPP. The comments of the reviewer(s) are included at the bottom of this letter.

The JBCPP production office will contact you for proofreading in the near future. Your article will be published ahead of print as soon as possible, and assigned to an online issue at a later time.

We require publication charges to recover our editorial and production expenses. The publication charges are 3.500.000 IDR or 250 USD or 1025 MYR for the accepted article. You are required to process with publication charges upon acceptance of your article (no later than 5 days after acceptance letter). Please upload the receipt of payment through link: <http://bit.ly/39bcHl2>  
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Thank you for your fine contribution. On behalf of the Editors of Journal of Basic and Clinical Physiology and Pharmacology we look forward to your continued contributions to the Journal.

Kind regards  
Dr. Andang Miatmoko  
Guest Editor, Journal of Basic and Clinical Physiology and Pharmacology

Reviewer(s)' Comments to Author:

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## Manuscripts with Decisions

ACTION	STATUS	ID	TITLE	SUBMITTED	DECISIONED
	ME: Marra, Alberto AME: Marra, Alberto  • Accept (26-Jan-2021)  Archiving completed on 30-Sep-2021 <a href="#">view decision letter</a> <a href="#">Contact Journal</a>	JBCPP.2020.0401.R1	Acetylcholinesterase inhibitory activity of extract and fractions from the root of Rauvolfia serpentina(L.) Bth.ex Kurz  <i>Files Archived</i>	18-Jan-2021	26-Jan-2021
a revision has been submitted (JBCPP.2020.0401.R1)	ME: Marra, Alberto AME: Not Assigned  • Revise with Minor Modifications (03-Jan-2021)  • a revision has been submitted  Archiving completed on 30-Sep-2021	JBCPP.2020.0401	Acetylcholinesterase inhibitory activity of extract and fractions from the root of Rauvolfia serpentina(L.) Bth.ex Kurz  <i>Files Archived</i>	26-Nov-2020	03-Jan-2021



## 4. Galley Proof

Check your proof pdf: **JBCPP.2020.0401.R1** External ▶ Inbox x



**noreply@degruyter.com**  
to me, pertreesia ▾

Tue, Apr 13, 2021, 9:26 PM ☆ ↶ ⋮

13 April 2021

Dear Suciati Suciati,

Your article's galley proof is now available for proofreading:

MS-ID: **JBCPP.2020.0401.R1**

Suciati Suciati: Acetylcholinesterase inhibitory activity of extract and fractions from the root of Rauvolfia serpentina(L.) Bth ex Kurz

Please find below the link to access your galley proof. Please check it carefully and upload your corrections by 19 April 2021.

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### Acetylcholinesterase inhibitory activity of extract and fractions from the root of *Rauvolfia serpentina*(L.) Bth.ex Kurz

Suciati, Debora Poerwantoro, Aty Widyawaruyanti and Kornkanok Ingkaninan

From the journal *Journal of Basic and Clinical Physiology and Pharmacology*  
<https://doi.org/10.1515/jbcpp-2020-0401>

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