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2. Proses Review



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	Priority			The relevance of the information stated in the introduction	
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L.	Inbox		215	Expressed and reported information are supported by references	
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	Priority			COMMENTS AND SUGGESTIONS
				- Please explain why the authors chose the stem part of the plant as the main material for extraction. Due to the scarcity of the publication related to Pternandra galeata, I believe it would be beneficial to compare the bigschulding of the outracts from different parts of the plant.
				- How do you explain the difference of results between ABTS and DPPH assays? (The extract showed higher activity towards ABTS than to DPPH).
				- interpenoids reported from Milconia sp and warszewiczia sp as examples of acetycholinesterase agents are not phenolic compounds. How do you explain the relevance of these findings with your current work?
				- I think it would also be beneficial to determine the total flavonoid content of the extract to compare the results with the total phenolic data, especially because the extraction was done using ethanol.
				·
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-	Thomy		The introduction handles relevant topics
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			COMMENTS AND SUGGESTIONS
			The manuscript is well written, it is clear, concise in the methodology used, among others. However, the work lacks justification and hypothesis and the novelty or contribution of the results is insignificant. It is only rescued that there are not many studies for this species
			I consider that the manuscript should be rejected because the results are quite preliminary, there is no experimental design among others. The authors could make an effort to carry out a bin directed acress with votracte of different ordering a characterization or carry out a bin directed acress with votracte of different ordering a characterization of the second se
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()	Snoozed		Dear editor of Vitae,	
Σ	Important		Herewith I am sending the revision of a manuscript entitled "Antioxidant and Accepticholinesterase inhibitor Potentials of Piernandra galeata". I have submitted the revised manuscript as well as response to reviewers comments to Olfae submission system, however I am of sure if it is uploaded correctly. Therefore I am sending it through email.	
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Response to Reviewers' Comments

Manucript Title: Antioxidant and Acetylcholinesterase Inhibitor Potentials of Pternandra galeata

Reviewer 1

Reviewers Comments	Response
- Please explain why the authors chose the	Initial screening has been carried out on different
stem part of the plant as the main material for	part of the plant (data not included in this
extraction. Due to the scarcity of the	publication), which showed that the stem showed
publication related to Pternandra galeata, I	better antioxidant and anticholinesterase inhibitory
believe it would be beneficial to compare the	activities compared to the leaves. Therefore, the
bioactivities of the extracts from different	current study focus on the leaves
parts of the plant.	
- How do you explain the difference of results	Explanation has been added as follows:
between ABTS and DPPH assays? (The	The results showed that P. galeata gave strong
extract showed higher activity towards ABTS	radical scavenging activities in both DPPH and
than to DPPH).	ABTS assays. This is due to the different reactivity
	of compounds in the <i>P. galeata</i> extract to DPPH
	and ABTS radicals. The reaction of DPPH radicals

	depends on the steric accessibility of compounds to
	them. Small molecules generally react better with
	DPPH radicals compared to large molecules. ABTS
	radical can be used to measure the antioxidant
	capacity of both hydrophilic and lipophilic
	compounds.
- Triterpenoids reported from Miconia sp and	Author intended to give an example for
Warszewiczia sp as examples of acetycholinesterase agents are not phenolic	acetylcholinesterase inhibitory activity of plant
compounds. How do you explain the	from the same family as <i>P. galeata</i> although it is
relevance of these findings with your current	not phenolics.
WOIK :	Example of phenolic compounds as cholinesterase
	inhibitor have been written in the last paragraph of
	discussion section.
- I think it would also be beneficial to	The total flavonoid was not determine in this study
determine the total flavonoid content of the	since total phenolic (TPC) will also measure
phenolic data, especially because the	flavonoid in the sample.
extraction was done using ethanol.	-

Reviewer 2

Reviewers Comments	Response
The manuscript is well written, it is clear,	Thank you. This is current study is a preliminary
concise in the methodology used, among	report, and further study is needed especially for the
others. However, the work lacks justification	chemical study of the samples as it is suggested in
and hypothesis and the novelty or	the conclusion section.
contribution of the results is insignificant. It is	
only rescued that there are not many studies	
for this species.	
I consider that the manuscript should be	
rejected because the results are quite	
preliminary, there is no experimental design	

among others. The authors could make an	
effort to carry out a more complete chemical	
characterization, or carry out a bio-directed	
assay with extracts of different polarity or	
chromatographic fractions.	

Note: English grammatical revisions have been made by authors (yellow highlighted)

Hasil Review Tahap 2





Tanggapan Terhadap Komentar Reviewers

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	Looking forward to hearing from you.								
	Best Regards,								
	Suci								
	Dr. Suciati								
	Lecturer, Department of Pharmaceutical Sciences								
	Facuity of Pharmacy, Universitas Annangga Campus C-UNAIR Surabaya, East Java, Indonesia, 60115.								

3. Acceptance Letter



4. Galley Proof

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