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Round 2 Status

Submission accepted.

Notifications

[biodiv] Editor Decision	2021-09-21 01:34 PM
[biodiv] Editor Decision	2021-11-01 03:18 PM
[biodiv] Editor Decision	2021-11-01 03:20 PM

Reviewer's Attachments

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Platform & workflow by OJS / PKP

[biodiv] Editor Decision

Dari: Smujo Editors (smujo.id@gmail.com)

Kepada: siti_fauziyah@yahoo.com

Tanggal: Selasa, 21 September 2021 20.34 WIB

Fauziyah:

We have reached a decision regarding your submission to Biodiversitas Journal of Biological Diversity, "New data on morphometric variability of the horseshoe crab Tachypleus gigas (Xiphosura: Limulidae) from Banyuasin estuarine of South Sumatra, Indonesia".

Our decision is: Revisions Required

Reviewer A:

Dear Authors,

Thank you for submitting this interesting paper to review. The paper describes the lengths and weights of horseshoe crabs in South Sumatra. Generally, the work has some scientific value, but this could be discussed in a bit more depth. For example, you have mentioned a potential use of the data in terms of horseshoe conservation. Could you provide some more detail on this point.

The paper has some potential and there is some application for the results. However, some revisions are required on the work. I have attached a word document with specific feedback for the revisions. In addition, please consider the following three points for you revisions,

1. Methods. there seem to be a few key details missing on the methods. For example, provide a bit more detail on how and where the horseshoe crabs were sampled. Were they being collected for example as part of normal fishing activities? What times of day did fishing take place? Was the project signed off ethically beforehand.

2. The previous study. There are a few mentions about a previous study. Could you provide a bit more information about thsi previous study and how the current study is linked to it? For example, is this just an extension of this first study? How do the two differ?

3. Proof reading. I have added some suggestions for wording, but the work would benefit from a full proof read.

With these edits in place, the work should be in a better position overall.

Recommendation: Revisions Required

Reviewer D:

Abstract. The body weight (BW), prosoma width (PW), carapace length (CL), telson length (TEL), and total length (TL) were measured for describing the morphometric variability of *Tachypleus gigas*. A total of 70 *T. gigas* (32 females and 38 males) were found during the survey. The result showed that there was no significant difference between males and females for CL, TEL, TL, and PW parameters, conversely for the BW parameter. The male's growth pattern indicated that the BW grew at the same rate concerning the CL, TEL, and TL parameters (isometric) but grew slower than the PW parameter (negative allometric). The female's BW also grew at the same rate as the PW, CL, TEL, and TL. Based on length-length relationships, the male's growth pattern indicated that the PW grew at the same rate with the CL or TEL (isometric) but these relationships were exhibited a different pattern in the female's growth. The TL-PW, TL-CL, TEL-CL and TEL-TL relationships showed the same growth pattern for both sexes.

These results were expected to be used as a basis for managing the horseshoe crabs population-based conservation.

Keywords: Allometric, Banyuasin estuarine, horseshoe crabs, morphometric, *Tachypleus gigas*.

Running title: Morphometric variability of *Tachypleus gigas* from Banyuasin estuarine

The manuscript studied based on 8 morphometry indicators, including body weight (BW), prosoma width (PW), carapace length (CL), telson length (TEL), and total length (TL). And this study selects useful indicators used to reflect the growth of T. *Tachypleus gigas* and evaluates the relationships among those indicators. But this study's limited in design with respect to the individual samples (A total of 70 *T. gigas* (32 females and 38 males)), it needs further study. However, the data of Horseshoe crab from Indonesia is really rare and IUCN needs more data from this country and this paper will be useful for IUCN evaluation too.

This manuscript can be accepted with minor revision

Minor revision: The workflow of the methodology is suggested to rebuild, including the sampling size, the difference test between female and male, the non-parameter/ parameter test, the analysis of variance homogeneity test, the morphometric analysis method, the fitness test to the hypothesis of PCA and GDA analysis, if possible

The statistics are weak.

The titles in the main text are not fitted to the style of the journal. Please revise the title and make it small.

I found several grammar and format mistakes in the text. The whole document needs careful revision.

Add updated references

Page 1 Line 36-37 : https://doi.org/10.3389/fmars.2020.587335 https://doi.org/10.12911/22998993/131244

Page 1 Line 39-40: https://doi.org/10.12911/22998993/132432

Recommendation: Revisions Required

Biodiversitas Journal of Biological Diversity

A-9491-Article Text-49274-1-4-20210919.doc
1.7MB

Re: [biodiv] Editor Decision

Dari: Siti Fauziyah (siti_fauziyah@yahoo.com)

Kepada: smujo.id@gmail.com

Tanggal: Rabu, 6 Oktober 2021 20.41 WIB

Thank you for your decision regarding the submission of our manuscript to the Biodiversitas. We confirm that this manuscript has been revised according to the reviewer's suggestions. We have highlighted the detailed changes in this revised manuscript in yellow.

Best regard

Dr. Fauziyah, S.Pi
Marine Science Department, Faculty of Mathematics and Natural Sciences, Sriwijaya University, South Sumatra, Indonesia.
Email: siti_fauziyah@yahoo.com

> Pada Selasa, 21 September 2021 20.34.47 WIB, Smujo Editors <smujo.id@gmail.com> menulis:
>
> Fauziyah:
>
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Recommendation: Revisions Required

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[biodiv] Editor Decision

Dari: Smujo Editors (smujo.id@gmail.com)

Kepada: siti_fauziyah@yahoo.com; author@smujo.id

Tanggal: Senin, 1 November 2021 22.19 WIB

FAUZIYAH, APON Z. MUSTOPA, FATIMAH, ANNA I. S. PURWIYANTO, ROZIRWAN, FITRI AGUSTRIANI, WIKE A.E. PUTRI:

We have reached a decision regarding your submission to Biodiversitas Journal of Biological Diversity, "Morphometric variation of the horseshoe crab Tachypleus gigas (Xiphosura: Limulidae) from the Banyuasin estuarine of South Sumatra, Indonesia".

Our decision is to: Accept Submission

Biodiversitas Journal of Biological Diversity

[biodiv] Editor Decision

Dari: Smujo Editors (smujo.id@gmail.com)

Kepada: siti_fauziyah@yahoo.com; author@smujo.id

Tanggal: Senin, 1 November 2021 22.20 WIB

FAUZIYAH, APON Z. MUSTOPA, FATIMAH, ANNA I. S. PURWIYANTO, ROZIRWAN, FITRI AGUSTRIANI, WIKE A.E. PUTRI:

The editing of your submission, "Morphometric variation of the horseshoe crab Tachypleus gigas (Xiphosura: Limulidae) from the Banyuasin estuarine of South Sumatra, Indonesia," is complete. We are now sending it to production.

Submission URL: https://smujo.id/biodiv/authorDashboard/submission/9491

Biodiversitas Journal of Biological Diversity