

#49388 SUMMARY

[SUMMARY](#) [REVIEW](#) [EDITING](#)


SUBMISSION

Authors Fauziah Fauziah, Wike Ayu Eka Putri, Desi Arianti, Fitri Agustriani, Rozirwan Rozirwan, Ellis Nurjuliasti Ningsih, Anna Ida Sunaryo Purwiyanto

Title CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)


Original file 49388-160438-1-SM.DOCX 2021-07-08

Supp. files None [ADD A SUPPLEMENTARY FILE](#)

Submitter Fauziah Fauziah 

Date submitted July 8, 2021 - 08:13 AM

Section Biology

Editor Suk Ling Wee 

STATUS

Status In Editing


Initiated 2022-04-28

Last modified 2022-04-28

SUBMISSION METADATA

[EDIT METADATA](#)

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TITLE AND ABSTRACT

Title CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)

Abstract This study identified the discard species generated by the crab gillnet for targeting the blue swimming crab (*Portunus pelagicus*) in the Banyuasin estuarine of South Sumatra, Indonesia. The fishing gear yielded the discarded catch about 12 % of the total catch. For the discarded catch, 703 individuals represented 18 species from 3 phyla (Arthropoda, Chordata, and Mollusca). The crustaceans (*Charybdis hellerii*, *Clibanarius spp.*,

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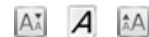
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Matuta planipes, and *Libinia dubia*) were the majority components of these discards accounted for 90% of the total discards. Results of ecological classification rare, i.e. *Chiloscyllium indicum*, and occasional, i.e. *Chiloscyllium punctatum*, and *Maculabatis macrura* included in the International Union for Conservation of Nature (IUCN) red list category are Vulnerable (*C. indicum*), Near Threatened (*C. punctatum*), and Endangered (*M. macrura*). These species are already hard to find. Based on the IUCN status, two species of crustaceans i.e. *Carcinoscorpius rotundicauda* and *Tachypleus gigas* listed as "Data Deficient". Discarded on crab gillnet fishing in Banyuasin waters is a challenge for species that need to be conserved (shark, ray, and horseshoe crabs). Species with IUCN red list status ranging from Data Deficient to Endangered were found dead, except for horseshoe crabs. The population of protected species will continue to decline as discard data is never reported. Mitigation options offered include captive breeding of horseshoe crabs, release of protected species when caught, and fishing gear modification. These findings can help design suitable mitigations for discarding crab gill nets.

INDEXING

Language en


SUPPORTING AGENCIES

Agencies LP3MP of Sriwijaya University; Ministry of Research, Technology, and Higher Education of the Republic of Indonesia

#49388 REVIEW


[SUMMARY](#) **[REVIEW](#)** [EDITING](#)

SUBMISSION

Authors Fauziyah Fauziyah, Wike Ayu Eka Putri, Desi Arianti, Fitri Agustriani, Rozirwan Rozirwan, Ellis Nurjuliasti Ningsih, Anna Ida Sunaryo Purwiyanto 

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Section Biology

Editor Suk Ling Wee 

PEER REVIEW

ROUND 1

Review Version 49388-160440-1-RV.DOCX 2021-07-08

Initiated 2021-11-02

Last modified 2021-11-24

Uploaded file Reviewer A 49388-172039-1-RV.PDF 2021-11-24

Editor Version None

Author Version 49388-174251-1-ED.DOCX 2021-12-25
49388-174251-2-ED.DOCX 2021-12-25

ROUND 2

Review Version 49388-160440-2-RV.DOCX 2022-01-04



Initiated 2022-01-04

Last modified 2022-01-10

Uploaded file None

EDITOR DECISION

Decision Accept Submission 2022-04-28

Notify Editor  Editor/Author Email Record  2022-04-28

Editor Version None

Author Version None

Upload Author Version No file chosen

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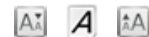
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EDITOR/AUTHOR CORRESPONDENCE

Section Editor
2021-11-28 11:32 PM

Subject: [Sains Malaysiana] Editor Decision#49388

DELETE

Dear Fauziah Fauziah:

The referees have commented on your paper titled:
Sains Malaysiana, "CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)".

We would be glad to reconsider the paper if you are willing to amend the paper according to the recommendations given by the referees.

Please find the comments with this email and the attached commented manuscript.

In your revision, please provide a separate file containing your response to each of the comments (below the email and in the manuscript) along with a revised manuscript highlighting all changes/corrections made in colour.

Re-submission should be made online within 4 weeks, or before 26 December 2021.

Sincerely,

Assoc. Prof. Dr. Suk Ling Wee
slwee@ukm.edu.my

Reviewer Comments:

1. Data were only descriptively analyzed, where there is absence in inferential statistics – which is the only let-down of this ms.
2. This would be different if (some pertinent) abiotic and biotic data were also taken/sampled during the study – to investigate whether the catch and discard were affected by the weather, lunar cycles etc. This is because the 11-day sampling was a significant stretch of lunar cycle, that correlatively affected the tides (where the study site was an estuary, which is highly likely to be affected by the tides), hence the benthic organisms.
3. Therefore, one of the things that the authors can do to compensate this lack of inferential statistics is compare whether the proportion of ecological/IUCN species category is different throughout the study, whether the DPUE was different from other studies (use one sample independent t-test) and other relevant statistical tests. I don't find the sampling stations a hindrance to analyze "day" as an independent variable unit as they're spatially nearby each other (based on the map in the ms). Without the statistical analysis, the "evidence" found in this study does not carry reliable support.
4. Please also include species richness (any appropriate diversity index) in the ms.
5. English needs improvement.
6. Please find other comments on the returned ms.

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Subject: CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS) DELETE

Dear Editor Sains Malaysiana
Assoc. Prof. Dr. Suk Ling Wee,

Thank you for the opportunity to re-submit our manuscript entitled "CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)" with manuscript number: 49388-172039-1-RV, for your consideration.

We appreciate the time and efforts of the editor and reviewers in reviewing this manuscript.

In revising the paper, we have carefully considered your comments and suggestions, as well as those of the reviewers. After addressing the issues raised, we feel the quality of the paper is much improved and hope you agree. We are pleased to write the responses to all comments and attached the revised manuscript and response to the reviewer. We have also uploaded the manuscript and response to the journal system.

I look forward to receiving your further communications.

Yours sincerely,

Dr. Fauziah
Marine Science Study Program, Faculty of Mathematics and Natural Sciences
University of Sriwijaya, Indonesia

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Subject: CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS) DELETE

Author
2021-12-25 08:48 PM

Author
2021-12-25 08:51 PM

Dear Editor Sains Malaysiana
Assoc. Prof. Dr. Suk Ling Wee,

Thank you for the opportunity to re-submit our manuscript entitled "CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)" with manuscript number: 49388-172039-1-RV, for your consideration.

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I look forward to receiving your further communications.

Yours sincerely,

Dr. Fauziyah
Marine Science Study Program, Faculty of Mathematics and Natural Sciences
University of Sriwijaya, Indonesia

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I look forward to receiving your further communications.

Yours sincerely,

Dr. Fauziyah
Marine Science Study Program, Faculty of Mathematics and Natural Sciences
University of Sriwijaya, Indonesia

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Subject: CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS) DELETE

Dear Assoc Prof Suk Ling Wee
Editor Sains Malaysiana,

In connection with the article we have submitted to Sains Malaysiana, we would like to know the progress of our manuscript entitled "CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)" ID 49388. We have revised and resubmitted the manuscript on December 25th, 2021, as the last progress and are being considered for the second round.

If you do not mind, and if it is possible, please let us know about the second round of progress. Whether if anything we need to add for the following process, please let us be informed. Thank you very much.

We are looking forward to your response.

Yours sincerely,

Fauziyah
Associate Professor
Marine Science
Universitas Sriwijaya
Indonesia

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Subject: [Sains Malaysiana] Editor Decision#49388 DELETE

Dear Fauziyah Fauziyah,

Author
2021-12-25 10:35 PM

Author
2022-04-17 03:32 PM

Section Editor
2022-04-28 09:41 PM

I am glad to inform you that the paper entitled:

"CONSERVATION CHALLENGES FOR DISCARDED SPECIES IN ARTISANAL FISHERIES SOUTH SUMATRA, INDONESIA (CASE STUDY ON CRAB GILL NETS)"

has been accepted for publication in Sains Malaysiana.

Please contact the secretariat of Sains Malaysiana (Ms Azean Baharuddin azean.baharuddin@ukm.edu.my) for status update on your manuscript in the future as it is no longer under the care of the Editor after manuscript acceptance.

Thank you submitting your paper to Sains Malaysiana, looking forward to your next submission.

Sincerely,

Assoc Prof Suk Ling Wee
slwee@ukm.edu.my

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