

**Manuscript number:**

**Title:** The Influence of Agrochemicals on Macroinvertebrate Community Structure in Various Agricultural Rivers in Jember Regency

**Article Type:** Original article

**Corresponding Author:**

**All Authors:**

**Submit Date:**

We would like to thank Dr. Miftah Ilmi for considering our manuscript to be published in Journal of Tropical Biodiversity and Biotechnology. We have revised our manuscript accordingly using the track features and we would like to give the detailed responses as addressed below.

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**Response to the Reviewers**

1. Please, add the research methods and results in numerical form to make them more informative. Also, choose actual research results that must be conveyed clearly.

**Response:** Thanks for raising this concern, we have revised the abstract accordingly

2. Are these criteria based on the use of fertilizer, fungicide and pesticide? It has not been explained whether this is rain fed or irrigated rice fields? The location of the point source or non-point source has not yet been explained. Is it upstream, middle or downstream of the river?

**Response:** Thanks for your question. The criteria were based on several parameters which we have put into the revised MS already. The study sites are irrigated rice fields (added into the MS already). We have revised the study sites description in the MS

3. Map is not clear and incomplete

**Response:** Thanks for raising this concern. We have revised the map.

4. It has not been explained about the survey of macroinvertebrate habitat characteristics

**Response:** Thanks for your comment. We have revised the method on survey of macroinvertebrate habitat characteristics

5. If there is a formula used, it should be conveyed to be clearer and more systematic when viewing the analysis results.

**Response:** Thanks for your suggestion. We have added the corresponding formula in the MS

6. Is there any information about the condition of the left and right of the river, such as the condition of the vegetation on the river border? because this condition greatly affects the habitat of macroinvertebrates

**Response:** Thanks for your question. We have added the vegetation of the rivers in Table 2 in the MS.

7. How many taxa? Please mention making it more clear.

**Response:** Thanks for your question. We have added the number of taxa into the MS.

8. These figure numbers are too small, so it is not easy to see; please add numerical information.

The figures from the analysis carried out are considered important to be conveyed.

**Response:** Thanks for your concern. We have revised the figures in the MS.

9. What types of vegetation are found there? Around the river border?

**Response:** As we have revised in the abovementioned, the vegetation type can be seen in Table 2 in the revised MS

10. This conclusion is still unclear. Please add conclusions from the results of the research in more detail, based on the research objectives.

**Response:** Thanks for your comment. We have revised the Conclusion as well as the Abstract.

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