

Review of: "The Application of PROMETHEE with the recalculated weight method as a more accurate measurement for the selection of the best Hybrid Renewable Energy Technology for a slum building"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

The decision matrix used in the recalculated weight method is obtained from the results of the simulation conducted in a slum settlement in Nigeria, with the use of the HOMER software. Various decision making methods such as CRITIC, AHP, Entropy, PROMETHEE, TOPSIS and VIKOR have been used.

In my opinion, the manuscript is good on the whole. The paper was organized logically and structured clearly. The purpose and significance of the study are clearly stated, and the research method was appropriate. The authors gave a comprehensive analysis. I consider that the paper is a useful contribution in its field.

However, some corrections need to be made before the work is published:

- The writing of equations is irregular throughout the study. Errors should be corrected with the word program used.
- Information about the methods used in the study is given in the Method Section. However, information about TOPSIS and VIKOR methods is not provided. If there is no special reason, it would be appropriate to give information about these methods.
- There are two different References Sections, in the first of which one article is given. It needs to be fixed.
- In the last paragraph of the Introduction Section, "Vinogradov, et al.,(2018), argue that the formal integration of the...." The reference used in the expression is not written correctly in the text. Also, this resource is not available in the References Section.
- There is a problem with the design of the tables. The titles of Table 4, Table 6, Table 8, Table 10, Table 11, Table 15, Table 16, table 17, table 18, Table 19 are written according to the column numbers of the tables. It would be appropriate to arrange the tables in order to create uniformity with other tables.
- It would be helpful to add a Conclusion Section to the study.

Decision: Minor Revision