

Review of: "Socioeconomic Impacts of Hybrid Pico Hydro-Solar Generation System Implementation in Sitio Singawan, Barangay Umiray, Municipality of Dingalan, Aurora, Philippines"

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Potential competing interests: No potential competing interests to declare.

The paper deals with "*Socioeconomic Impacts of Hybrid Pico Hydro-Solar Generation System Implementation in Sitio Singawan, Barangay Umiray, Municipality of Dingalan, Aurora, Philippines*". The paper is interesting and relevant to the journal themes. However, the vital aspects, the flow of thought, and the presentation that would foster the study quality are lacking.

For better identification, the authors need to mark any color in the revised part of the manuscript and line number in response to the reviewer's comment file.

Hence, before acceptance/publication, the authors should address the following comments adequately:

1. The abstract section is well organized; however, the authors need to remove "Spearheaded by the Technological University ... (ME) departments, and rearrange the abstract technically.
2. The major results (numerical) should be mentioned in the abstract section.
3. The authors need to mention the Introduction section by including appropriate references that introduce other analyses of a Hydro-solar generation system.
4. Authors should explain the choice of the technique in the introduction section.
5. The literature review should be further strengthened to highlight the scientific novelty of this work. The authors need to cite the following publications:

- <https://doi.org/10.1016/j.suscom.2023.100915>
- <https://link.springer.com/article/10.1007/s10098-022-02337-7>
- <https://www.nature.com/articles/s41598-023-43919-9>
- <https://doi.org/10.3390/su151914555>

1. The major contribution of the proposed work should be clear in the last paragraph of the introduction section.
2. The methodology section needs to be elaborated scientifically and needs to write experimental/simulation/survey work. Further, the details study area should be cleared.
3. A complete block diagram of the Pico hydro and solar PV generation system should be included in the methodology

section.

4. How author write the numerical values in the results and discussion section? Justify it
5. Social development should be elaborated in the discussion section.
6. The conclusions can be included or rewritten properly with advantages, values of the proposed methods, and results.
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