

Review of: "Studying the Level of Livelihood Vulnerability and the Necessity of the Work Developing a Farmhouse Economic Economic Model to Adapt to Climate Change in the Coastal Area of Ben Tre"

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Potential competing interests: No potential competing interests to declare.

Comments to authors on “**Studying the level of livelihood vulnerabilities and the necessity of developing a farmhouse economic model to adapt to climate change in the Coastal Area of Ben Tre**”

Summary: This paper presents a descriptive analysis of the level of livelihood vulnerabilities and the necessity of developing a farmhouse economic model to adapt to climate change in the coastal area of Ben Tre. The authors use both qualitative and quantitative data to present information on the topic. The methodology section, however, does not adequately explain how the sample frame was determined or the methods used in collecting the qualitative data and analyzing the field data. In the discussion section, the findings are not compared to other studies that have looked at similar subjects. The paper needs a major revision.

General Comments to the Authors:

- In the title, why use "economic" twice? I suggest you review the title for clear understanding.
- The abstract is too short and gives nothing away about the study itself.
- The introduction is also too short. No objectives or research questions are provided.

Research Methods:

- The research study area is not properly geo-referenced in the text or on the map. Where is the coastal region of Ben Tre Province? Coordinates should be given.
- Can you briefly describe the topography, climate, and vegetation? A description of the climate is very important as it is connected to your title.
- The sample frame from which the sample size of 80 households was selected for the study is not clear. Can you give the sample frame in a table of selected communities?
- Can you explain how the household questionnaires were administered?
- A brief explanation of the ecological economic model can help one to understand the results presented in table 3.1.

Results and Discussion

- Are the numbers 1-12 in table 3.1 indicating the months of the year? If so, can you label it.
- In the discussion of table 3.2, can you briefly explain this statement? "This is a drought that occurs in the rainy season." What type of drought are you referring to? Can you describe the rainy season and dry season separately?
- In table 3.3, can you please describe the data shown in the table? I find it difficult to understand what the figures represent.
- Are the people you are referring to the participants or just any person?
- Can you discuss your results with other findings from other authors, rather than just saying according to a survey done in 2006 (Who did the survey?)?
- You have lengthy discussions but less presentation of tables. Did you do more qualitative data collection? The methodology didn't show that.
- Farming households, I think it is better than saying farmer households.
- Section 3.5, General perception. Can you at least give a rough percentage in tabular form of those who say the livelihood of growing crops is severely damaged by erratic changes in the climate? Give a table of the different answers provided as the people's perception of climate change before discussing your results.
- Main farming livelihood model. The table should be labeled.
- In which currency is the income measured?
- Can you discuss the table on total income, expenditure, and savings before deciding which model is better? That makes it easier to understand.

Conclusion:

- Coastal ecosystems such as mangrove forests, which have/has been damaged. Correct the sentence.
- You should briefly discuss the methodology, findings, and recommendations for practical action.