

### Review Form 3

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| Journal Name:            | <a href="#">Asian Journal of Agricultural and Horticultural Research</a>                          |
| Manuscript Number:       | Ms_AJAHR_127269   |
| Title of the Manuscript: | <b>DETERMINING FACTORS FOR THE SUSTAINABILITY OF ARABICA COFFEE-BASED ECO-FARMING IN SEMBALUN</b> |
| Type of the Article      | <b>Original Research Article</b>  |

#### **PART 1: Review Comments**

| <b>Compulsory</b> REVISION comments  | <b>Reviewer's comment</b>  | <b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| <b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b>                        | This paper is an important contribution to the scientific community because of its attempt to solve a very timely and relevant problem in sustainable agriculture on eco-farming development based on Arabica coffee in the Sembalun region of Indonesia. The study assessed the complex interaction between environmental, economic, social, cultural, and technological factors that shape the approach to sustainable farming practices in a coffee-producing region. The value of this research is that it combines qualitative and quantitative approaches into one comprehensive framework, which has helped improve understanding of the issues and opportunities of adopting eco-farming methods. I really value this manuscript because of its interdisciplinary approach and potential to inform policies with the power to support the sustainability of farming for both the farmers and the broader ecosystem. However, the paper could be further strengthened with more precise information on methodology and relate more clearly to the existing literature.  |  |
| <b>Is the title of the article suitable? (If not please suggest an alternative title)</b>  | The title is suitable but for readers who aren't aware where the Sembalun, this might be confusing. So the suggested new title is "DETERMINING FACTORS FOR THE SUSTAINABILITY OF ARABICA COFFEE-BASED ECO-FARMING IN SEMBALUN, INDONESIA"  |  |
| <b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>   | The abstract is fairly comprehensive, covering the main themes of the manuscript, including the focus on sustainability factors, the challenges faced, and the research approach. However, some improvements could enhance its clarity and impact: <ol style="list-style-type: none"> <li><b>Inclusion of Specific Findings:</b> While the abstract mentions the importance of improvements in land management, education, and community involvement, it does not provide specific quantitative or qualitative findings. Adding a brief mention of key results or metrics would strengthen the abstract.</li> <li><b>For example, include specific environmental or social improvements observed or quantified impacts of educational programs.</b></li> <li><b>Reduce Redundancy:</b> The abstract could be streamlined by removing general statements about Arabica coffee and focusing solely on the findings and significance of the study.</li> <li><b>Keywords Alignment:</b> Ensure the abstract aligns tightly with the keywords. Some terms like "Institutional" and "Socio-Cultural" could be better integrated into the abstract's discussion.</li> </ol> |  |
| <b>Are subsections and structure of the manuscript appropriate?</b>  | Yes, the subsections and structure of the manuscript are appropriate. The manuscript follows a logical progression, starting with a clear description of the methodology, followed by a thorough discussion of each sustainability dimension (ecological, economic, socio-cultural, institutional, and technological). Each dimension is analyzed using relevant variables and detailed sensitivity analyses, making the results easy to follow and relevant to the overall research objective.  |  |
| <b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b> | This manuscript is scientifically robust and technically sound as it employs a comprehensive mixed-method approach, combining both qualitative and quantitative methods, which strengthens the validity of the findings. The use of Multi-Aspect Sustainability Analysis (MSA) and Multi-Criteria Sensitivity Analysis (MSA) provides a systematic and rigorous assessment of the various sustainability dimensions in Arabica coffee farming. The manuscript also appropriately integrates primary data from interviews with farmers and secondary data from literature, ensuring a well-rounded analysis.  |  |

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|  | Furthermore, the clear identification of critical sustainability factors, such as land management, market access, and technological innovation, demonstrates a solid understanding of the complexities involved in eco-farming sustainability.  |  |
| <b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> | Yes   |  |
| <u>Minor</u> REVISION comments<br><br><b>Is the language/English quality of the article suitable for scholarly communications?</b>         | The language quality of the article is largely suitable for scholarly communications. However, minor improvements can be made to enhance readability and precision, such as simplifying overly complex sentences and eliminating repetitive phrases. For instance, in some sections, rephrasing and better word choices could improve the flow of information. Overall, the manuscript meets the required standard but would benefit from minor linguistic refinement.  |  |
| <u>Optional/General</u> comments   | The manuscript comprehensively evaluates the sustainability factors affecting the Arabica coffee-based eco-farming in Sembalun and is thus of great value to the contribution in sustainable agriculture. Its mixed-method approach and MSA yielded robust insights into the ecological, economic, socio-cultural, institutional, and technological dimensions. The findings are practical and stand on a ground of sustainable development goals, thus very relevant to both academia and policymakers. However, clarity needs to be enhanced in some figures; further refinement of the language is also needed to meet scholarly standards. Additionally, there are minor structural inconsistencies that should be worked out. It is a well-researched and impactful study. |  |

**PART 2:**

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|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

**Reviewer Details:**

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| Name:                            | <b>Gaurab Luitel</b>  |
| Department, University & Country | <b>Tribhuvan University, Institute of Agriculture and Animal Science, Nepal</b> |