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| Journal Name: | [**Asian Journal of Agricultural Extension, Economics & Sociology**](https://journalajaees.com/index.php/AJAEES) |
| Manuscript Number: | **Ms\_AJAEES\_136677** |
| Title of the Manuscript: | **FACTORS INFLUENCING ADOPTION OF SUSTAINABLE ONION SEED PRODUCTION PRACTICES AMONG SMALLHOLDER ONION SEED PRODUCERS IN MANG'OLA WARD KARATU DISTRICT** |
| Type of the Article | **Original Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This study discusses factors that impact the production of sustainable onion seed in the Karatu district. It suggests that education can play a significant role in fostering production. It also emphasises the need for training programs tailored to different age groups, especially younger farmers, to foster innovation and encourage technology application. | Yes. We concur with the reviewer’s comment. This manuscript offers crucial insights into the socio-economic factors affecting sustainable onion seed production in the Karatu district, Tanzania. It emphasizes the significant role of education and the need for tailored training programs for younger farmers to foster innovation and technology adoption. The findings provide valuable recommendations for policymakers and practitioners aiming to enhance agricultural productivity and sustainability among smallholder farmers. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, please replace “SMALLHOLDER” with a better word. This will improve clarity for the reader. | Yes. We concur with the reviewer’s comment. The tittle is suitable since it reflects the content of the manuscript. New tittle for this manuscript as per reviewer’s suggestion is “FACTORS INFLUENCING THE ADOPTION OF SUSTAINABLE ONION SEED PRODUCTION PRACTICES BY SMALLHOLDER PRODUCERS IN KARATU DISTRICT, TANZANIA.” |
| 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. | Yes | Yes. We concur with the reviewer’s comment. The manuscript is comprehensive since it shows the summary of the whole findings on the manuscript |
| Is the manuscript scientifically, correct? Please write here. | Yes, but:   1. This study claims to use both Sustainability Theory and Diffusion of Innovations Theory, but the theoretical framework is not well-integrated into the empirical analysis. 2. Some variables with insignificant p-values are over-interpreted. For instance, marital status and sex are discussed in depth despite lacking statistical significance, potentially misleading readers. 3. The logistic regression finds a negative and significant coefficient for extension visits, which contradicts prior literature and common expectations. This surprising result is not adequately explained or explored. 4. The rationale for using Kendall's tau and logistic regression is provided, but there is no robustness check or justification for variable selection, multicollinearity issues, or model diagnostics. 5. Several sections are unnecessarily repetitive, especially the discussion of demographic variables. | Yes. We concur with the reviewed. The manuscript is scientifically correct; but the following adjustments have been made:  * + - 1. There are empirical results for variables from the Diffusion and Innovation (DOI) Theory. Therefore, in ensuring that the study is well integrated into the empirical analysis, we have dropped the sustainability theory and maintained only the Diffusion and Innovation (DOI) Theory. In addition, to describe the causal-relationship, the variables in the conceptual framework are described in the manuscript (see sections 1.3&1.4).       2. We reduced the intensity of discussion for the variables with insignificant p-values such as marital status and sex.       3. We adequately explained and explored a negative and significant coefficient for extension visits, which contradicts prior literature and common expectations       4. The justification for using Kendall's tau and logistic regression and variable selection are provided. To start with Kendall’s tau is necessary since it suitable to small sample size, it used in ordinal data, the relationships between two variables should be consistent but also there should be no outlier. In addition, for for binary logistic regression, model diagnostics and multi-collinearity described (explained in the manuscript).       5. We strongly justified why was it important to summarize demographic information to provide essential context for interpreting study results, ensuring the sample represents the target population. However, to avoid the unnecessary repetitive, we reduced the intensity of demographic variables discussion in the manuscript. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Please add the suggested articles in literature review section to improve the scientific contribution, it will enhance the credibility of the original research.   1. Gupta, R. K., Maheshwari, U., & Das, D. N. (2023). An analysis of factors influencing empowerment of rural women through Deendayal Antyodaya Yojana--National Rural Livelihood Mission (SGSY). *Theoretical & Applied Economics*, *30*(1). 2. Maheshwari, U., & Priya, A. (2022). AN ANALYSIS OF IMPACT OF DEENDAYAL ANTYODAYA YOJANA-NATIONAL RURAL LIVELIHOOD MISSION ON RURAL PEOPLES WITH REFERENCE TO MEASUREMENT THROUGH THE ATTITUDE OF SHGS. *Towards Excellence*, *14*(2). | We sincerely thank the reviewer for suggestion. We did that. |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it might be improved slightly. | Yes. We improved it slightly as suggested by the reviewer. |
| Optional/General comments | Please accommodate the above suggestions to improve the manuscript. | Thank you for the feedback, we improved the manuscript. |

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| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* | No |