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| Journal Name: | [Journal of Experimental Agriculture International](http://www.sciencedomain.org/journal/51) |
| Manuscript Number: | **Ms\_JEAI\_137083** |
| Title of the Manuscript: | **Field Evaluation of Two-row Root Wash Type Paddy Transplanter** |
| 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 manuscript provides a significant contribution to the field of agricultural engineering by evaluating a manually operated two-row root wash type paddy transplanter. With growing concerns around labor shortages, increasing wage costs, and the need for timely transplanting, this study addresses a real-world problem in rice cultivation, particularly in regions like Odisha, India. The proposed technology aligns well with traditional nursery practices and demonstrates practical viability in terms of field efficiency, ergonomics, and cost-effectiveness. The study's detailed assessment of physiological stress and economic parameters makes it highly relevant for small and marginal farmers seeking sustainable mechanization alternatives. | Agreed |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | Thank you for the acceptance |
| 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** The abstract is mostly comprehensive and clearly outlines the purpose, methodology, and key findings. However, it would benefit from explicitly stating the age of seedlings, field size used for testing, and the ergonomic implications. Also, adding a statement on how this model compares to existing solutions could strengthen the impact. | Improved |
| Is the manuscript scientifically, correct? Please write here. | Yes  However, it could be improved by briefly comparing this machine with mat-type or self-propelled transplanters in terms of benefits and limitations. | Yes, but in line we are also writing a review as well about this so in research we have cited less |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes | — |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | —- |
| Optional/General comments | 1. Figures should include proper captions and legends for standalone understanding. 2. Some sections, such as ergonomic analysis, would benefit from graphical representations. 3. Consider including a limitations section to highlight what the study does not address (e.g., long-term durability, field conditions beyond Rabi season). 4. Minor formatting issues (inconsistent spacing, table layout) should be corrected for publication readiness | All those remaining study parameters are now being again experimented. Due to a shortage of time, all those contents have not been mentioned here. |

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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 |