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REVIEWER'S REPORT

Manuscript No.: **IJAR-50690** Date: March 18, 2025.

Title: Effects of coffee parchment-based compost on yield of two rice varieties (Oryza sativa L.) grown in Bofesso, village in Man Department, Côte d'Ivoire.

Recommendation:
Accept as it is .....
Accept after minor revision.....
Accept after major revision .....
Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		X		
Techn. Quality			X	
Clarity		X		
Significance		X		

Reviewer Name: Dr Lakhdar Guerine **Date:** March 18, 2025.

Reviewer's Comment for Publication.

(*To be published with the manuscript in the journal*)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.

The study highlights compost as a sustainable alternative to chemical fertilizers for improving rice production in Côte d'Ivoire. However, an economic evaluation and an analysis of the long-term limitations of this approach are necessary to ensure its viability and adoption by farmers.

Detailed Reviewer's Report

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Line 9: Objective of this study
Line 9: impact
Line 10: yield
Line 15: Sterility rate
Line 17: average mass
Line 20: Keywords:
Line 45: in locality
Line 47: plant
Line 49: had mentioned
Line 55: in order to increase
Line 62: Experimental site
Line 62: village
Line 63: Climate is tropical
Line 65: is hottest month,
Line 69: Figure 1. Man Department
Line 76: Choice of these varieties was motivated by taste favored by farmers
Line 109: Following
Line 120: To study this parameter, 15 rice pockets were randomly identified and labelled after emergence
Line 120: On 150th day after sowing, number of tillers spikelets per rice pocket was assessed by simple counting. Tiller fertility rate was calculated using following formula:

Line 124: difference
Line 136: Highest
Line 141: lowest
Line 205: Similarly, number of panicles increased with application of composts
Line 210: being very
Line 214: Quantity of nitrogen

Commented [LG1]: Add: The objective
Commented [LG2]: Add: the impact
Commented [LG3]: Add: The yield
Commented [LG4]: Add: The sterility
Commented [LG5]: Add: The average
Commented [LG6]: Add: Côte d'Ivoire
Commented [LG7]: Add: the locality
Commented [LG8]: Add: and plant
Commented [LG9]: Remove: had ~~had~~ mentioned
Commented [LG10]: Remove: in order to ~~in order to~~
Commented [LG11]: Add: The experimental
Commented [LG12]: Add: a village
Commented [LG13]: Add: The climate
Commented [LG14]: Legend in French: Missing scale and general location of Côte d'Ivoire within the African continent.
Commented [LG15]: Add: The choice of these varieties was motivated by the taste favored by farmers
Commented [LG16]: Add: The following
Commented [LG17]: Rephrase: To study this parameter, 15 rice pockets were randomly identified and labelled after emergence
Commented [LG18]: Rephrase: On the 150th day after sowing, several tiller spikelets per rice pocket were assessed by simple counting. The tiller fertility rate was calculated using the following formula:
Commented [LG19]: Add: The highest
Commented [LG20]: Add: the lowest
Commented [LG21]: Rewrite: Similarly, the number of panicles increased with the application of composts
Commented [LG22]: Add: is being
Commented [LG23]: Add: The quantity