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REVIEWER'S REPORT

Manuscript No.: IJAR-56166

Title: ECONOMIC IMPACTS OF PADDY PROCESSING UNITS ON THE RICE VALUE CHAIN IN THE SENEGAL RIVER DELTA.

Recommendation:

Accept as it is

Accept after minor revision Yes

Accept after major revision

Do not accept (*Reasons below*).....

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

Reviewer Name: Dr. Himanshu Gaur

Detailed Reviewer's Report

The manuscript titled "Economic Impacts of Paddy Processing Units on the Rice Value Chain in the Senegal River Delta" addresses a highly relevant topic in agricultural economics and value chain development, particularly within the context of food security and local competitiveness in West Africa. The study makes a meaningful contribution by empirically examining the role of paddy processing units in shaping local market participation using primary survey data and a binary logit model. The abstract clearly outlines the research focus, methodology, and key findings, and the identification of processing capacity, marketing frictions, and white rice production share as significant determinants provides useful policy insights. The emphasis on technological upgrading, logistical improvements, and structured marketing channels enhances the practical relevance of the study.

However, the manuscript would benefit from clearer articulation of the research gap and stronger theoretical grounding within value chain and agribusiness competitiveness frameworks. The methodology section should provide more detailed information regarding sampling design, sample size justification, model specification, and diagnostic tests (e.g., goodness-of-fit measures, multicollinearity checks) to strengthen robustness and transparency. Additionally, the discussion could be expanded to compare findings with prior studies in similar agro-processing contexts across Sub-Saharan Africa. The insignificance of official and market price variables warrants deeper interpretation, as this result has important policy implications. Minor language refinement and formatting consistency are also recommended.

Overall, the paper presents solid empirical work with strong policy relevance. With moderate revisions to enhance methodological clarity, theoretical integration, and analytical depth, the manuscript would be suitable for publication.