

REVIEWER'S REPORT

Manuscript No.: IJAR- 58323

Title: THE INFLUENCE OF E-PURCHASING IN IMPROVING THE EFFICIENCY OF GOVERNMENT CONSTRUCTION PROJECTS IN BIAK NUMFOR AND SUPIORI DISTRICTS.

Recommendation:

Accept

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

Reviewer Name: Dr. Ashish Yadav

Detailed Reviewer's Report

Reviewer's Comment for Publication.

Acceptance Comments are mentioned below suitable for the paper titled "THE INFLUENCE OF E-PURCHASING IN IMPROVING THE EFFICIENCY OF GOVERNMENT CONSTRUCTION PROJECTS IN BIAK NUMFOR AND SUPIORI DISTRICTS"

Reviewer Comments: Accept

Reviewer Comments –

1. Introduction

The introduction effectively establishes the importance of digital procurement in improving the efficiency and transparency of government construction projects. It clearly outlines the procurement challenges faced in Papua Province, including lengthy administrative procedures, high transaction costs, and logistical constraints. The research objectives are well defined and emphasize the need to evaluate the impact of E-Purchasing on project efficiency. The background provides a strong rationale for conducting the study and highlights its practical significance for public sector infrastructure development.

2. Literature Review

The literature review provides a comprehensive overview of electronic procurement systems, public procurement efficiency, and digital transformation in construction project management. It discusses previous studies on E-Purchasing, procurement transparency, cost reduction, and process optimization while introducing SEM-PLS as an appropriate analytical tool for examining causal relationships. The review successfully identifies the research gap regarding the implementation of E-Purchasing in remote regions such as Papua, thereby establishing the originality and relevance of the study.

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3. Solution Approach

The research methodology is systematic and well structured, employing a mixed methods sequential exploratory design that combines qualitative interviews with quantitative survey analysis. The inclusion of multiple stakeholders enhances the reliability and comprehensiveness of the findings. The application of SEM-PLS using SmartPLS is appropriate for evaluating the influence of E-Purchasing on project efficiency and validating the proposed research model. The methodological framework is clearly described, ensuring transparency, robustness, and reproducibility of the research.

4. Results and Discussion

The results are presented clearly and provide strong empirical evidence that E-Purchasing significantly improves project time efficiency, as demonstrated by the reported path coefficient, R^2 , and effect size values. The discussion effectively explains how digital procurement accelerates procurement activities, reduces administrative burdens, lowers transaction costs, and enhances procedural transparency. Furthermore, the analysis appropriately identifies key implementation barriers, including limited internet infrastructure, geographical challenges, low participation of local suppliers, and insufficient human resource capacity. The findings are logically interpreted and offer practical insights for strengthening public procurement systems in remote regions.

5. Conclusion

The conclusion successfully summarizes the major findings and confirms that E-Purchasing is an effective mechanism for improving the efficiency of government construction projects in Biak Numfor and Supiori Districts. The recommended strategies, including strengthening digital infrastructure, increasing supplier participation, enhancing human resource capabilities, and improving regulatory implementation, are well supported by the empirical evidence. The study makes a valuable contribution to the fields of construction management and public procurement by demonstrating the benefits of digital procurement systems in geographically constrained environments. The manuscript is recommended for publication.