

## **ABSTRACT**

*The development of information technology plays an important role in improving the efficiency of financial administration in Micro, Small and Medium Enterprises (MSMEs). UMKM 4Satria Fotokopi dan Stationery faces obstacles in recording stock of goods and transactions that are still carried out manually, causing irregularities in inventory management and potentially reducing customer satisfaction. This research aims to design and develop a mobile application-based digital bookkeeping system to improve the efficiency of financial management and stock of goods. The method used in this research is the prototype method, which allows iterative system development by adjusting user needs. The research stages include data collection, needs analysis, system design with Data Flow Diagram (DFD) and Use Case Diagram, and application implementation using Kodular. System testing is carried out using the black box testing method to ensure that the application functions run according to predetermined specifications. The results showed that the digital bookkeeping system developed can help MSME owners in recording sales transactions, managing stock items, and generating financial reports automatically. With this system, recording becomes more accurate, the risk of data loss is reduced, and the process of restocking goods can be done more efficiently. The implementation of this application also provides easy access for business owners to control business operations in real-time through mobile devices. In conclusion, the implementation of a mobile-based digital bookkeeping system can be an effective solution in improving the efficiency of MSME financial management. Further research is recommended to develop additional features such as digital payment integration and sales trend analysis to improve the competitiveness of MSMEs in the digital era.*

*Keywords: MSME, digital bookkeeping, mobile application, prototype, stock management.*