

ABSTRACT

Hita Loka Tara Cooperative at Telkom University Surabaya is a business unit that provides daily necessities for students, lecturers, and staff. Previously, the cooperative relied on two separate systems: Moka POS for general sales and an internal application for custom order procurement. The use of two unintegrated systems led to several issues, such as data duplication, stock discrepancies, and inefficiencies in operational processes.

This research aims to design and develop an integrated web-based Point of Sale (POS) system focusing on sales and procurement modules. The system was developed using the prototyping method, allowing users to be actively involved through feedback in each design iteration. The research stages included problem identification, data collection, system design, prototype development, and system testing using white box testing, black box testing, and usability testing.

The implementation results show that the developed POS system effectively integrates sales and procurement processes. System testing confirmed that all functions operated as expected, and usability testing indicated a high level of user satisfaction. This system not only improves work efficiency and recording accuracy but also reduces reliance on third-party applications and supports more structured and cost-efficient cooperative management.

Keywords: *Point of Sale, Cooperative, Information System, Prototyping, Web-based, Sales, Procurement*