

## **ABSTRACT**

### **DESIGN AND DEVELOPMENT OF A MOBILE-BASED POINT OF SALES (POS) APPLICATION FOR THE CAFETERIA AT UNIVERSITAS XYZ USING THE RAPID APPLICATION DEVELOPMENT (RAD) METHOD**

Amalia Alhamdaniyah Prawinda.<sup>1)</sup>, Marcello Singadji, S.Kom., M.T.<sup>2)</sup>

<sup>1)</sup>Student of the Information Systems Program, Universitas Pembangunan Jaya

<sup>2)</sup>Lecturer of the Information Systems Program, Universitas Pembangunan Jaya

*This study aims to design and develop a mobile-based Point of Sales (POS) application for the cafeteria at Universitas XYZ using the Rapid Application Development (RAD) methodology. The application is designed to address issues with manual transaction recording, which is often inaccurate and inefficient, especially during busy periods. The proposed POS system is capable of automatically recording transactions, generating detailed sales reports, and simplifying menu management. By integrating with the campus server, data can be securely managed without relying on external services, while also enabling synchronization with other systems such as finance and inventory management. The implementation of the RAD method allows for quick and user-responsive application development. This system is expected to enhance operational efficiency, reduce errors, and support better data-driven decision-making.*

**Keywords:** *Point of Sales (POS), Mobile Application, Rapid Application Development (RAD), Cafeteria, Sales Reports*

**Reference:**