

## **DESIGNING A WEB-BASED POINT OF SALE (POS) INFORMATION SYSTEM**

**(Case Study: Savor.Idn)**

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### **ABSTRACT**

Savor.Idn is a Food and Beverage (F&B) business located in Kotabaru, Yogyakarta, featuring a coffee street concept that emphasizes relaxed customer service. The current transaction recording process relies on physical documents, which pose several challenges, including errors in recording and lengthy sales reporting. This situation underscores the need for a system that can automatically and structurally manage transaction data. This research aims to design and develop a web-based Point of Sale (POS) information system to facilitate transaction recording and sales reporting at Savor.Idn. The research phases include needs analysis, system design using Data Flow Diagrams (DFD) and Entity-Relationship Diagrams (ERD), implementation using the Laravel framework with a MySQL database, and testing using Black-Box Testing. The test results for all 25 scenarios were successful, achieving a 100% success rate, indicating that all system functions operate as expected and meet established criteria. The developed system can record sales transactions, automatically generate daily and monthly reports, and display sales data in simple graphical formats. The implementation of the web-based POS system effectively addresses Savor.Idn's operational recording and reporting needs.

**Keywords:** Information System, Point of Sale, Laravel, Web, Sales