ABSTRACT

THE DESIGN OF INTEGRATED POINT OF SALE ERP SYSTEM FOR OFFLINE STORE TRANSACTION RECORDING IN SMART SMEs WITH SERVICE ORIENTED ARCHITECTURE METHOD

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SMEs are one of the drivers of the Indonesian economy and provide a very large and crucial contribution to the Indonesian economy at a macro level. Along with the increasing number of SME activists in Indonesia from year to year, not a few SMEs also have obstacles in developing their business. One obstacle is in carrying out its business processes and the exchange of data is still done manually and separately, especially in the process of recording sales transactions in offline stores. Therefore an integrated system is needed to support the business process of selling in SMEs' offline stores.

Based on the problems experienced, SMEs need a system design that uses the concept of ERP which is expected to be one of the solutions, namely the SME Smart system. The focus of this research is to implement the Point of Sale module found in Open Source / Odoo ERP. The Point of Sale (POS) module can support sales business processes in SMEs' offline stores that are integrated with the warehouse management module and integrated with the accounting module on financial records. In this study, the author uses the Service Oriented Architecture (SOA) method which is used as a reference in designing Smart Service-based SME systems for the Point of Sale module. In evaluating the system design, the author uses the User Acceptance Test (UAT) to find out whether the functionality of the SME Smart system can already support the business process of selling in an offline store.

Keywords: ERP, Smart SME, Point of Sale, SOA