

ABSTRACT

ERP SYSTEM OF SMART SME DESIGN BASED ON MODEL SERVICE IN ACCOUNTING PROCESS USING SERVICE ORIENTED ARCHITECTURE METHOD

By

SANNY PUTRA HENDARSYAH

1202154121

Small and medium enterprises or commonly referred to as SMEs in Indonesia are business activities that are in great demand after the economic crisis that have resulted in Termination of Employment (FLE) experienced by most companies. The role of SMEs in the Indonesian economy has now been recognized by the wider community. However, many SMEs in Indonesia are still running their business processes separately, especially in the accounting system, so that the business processes that run are not good, as well as recording financial transaction reports that are still done manually and separately, sales and purchase transaction account items that are still recorded manually, and there is no system that supports the accounting process for SMEs.

The solution to managing the financial system in SMEs is to create an Open Source ERP system design, namely the Smart UKM system based on service models by implementing accounting modules and embedding "smart" features, namely analytic accounting with the aim of creating a standard as well as best practice in the SME accounting system. The goal is that SMEs can make and obtain financial reports more structured and can design an integrated system and also support a realtime data management system. The research method used in designing this ERP system model is the method of Service Oriented Architecture (SOA). In this method all the research processes carried out refer to the step by step of SOA and there must be input and output in designing the business model. This method aims to design business process modeling and service-based systems that are tailored to the problems experienced by SMEs in their financial systems.

Keywords: Smart SMEs, Open Source ERP, Accounting, SOA Methodology