DESIGN AND IMPLEMENTATION OF ENTERPRISE RESOURCE PLANNING PORTAL USING WORKFLOW WITH SERVICE ORIENTED ARCHITECTURE

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Abstract

ERP (Enterprise Resource Planning) is an information system designed for businesses to integrate a wide range of domains corresponding functions according to company's business processes. ERP is a system which is usually expensive and rarely owned by the company. In this digital era, it is very important to keep company's data computerize to manage its easily. Therefore, ERP portal is needed, so companies could have ERP System dan store theirs data digitally and can support theirs business processes.

In this final project, we built web-based portal of ERP system. This application is the entrance of a wide variety of web applications as a content. These web applications put together so these web applications can be accessed through a single place. This application is built with service approach and workflow technology as a key component makers so that each company / tenant can adapt theirs business processes.

The test results demonstrated that all the required functionality for ERP Portal runs fine. All domain function can be run well. Multitenancy can also be done to overcome the many companies that will take advantage of the ERP system. The services and workflows were build also indicate success.
Keywords: multitenancy, portal, SOA, ERP, workflow