ABSTRACT

Conditionstoday's business world has evolved into increasingly complex, increasingly competitive, fast-paced and increasingly difficult to predict. In order to compete and succeed, companies need to integrate business and IT resources owned in order to flexibly accommodate changes made to later adaptation to these changes quickly and accurately. As a result, the need for using the Enterprise Resource Planning (ERP) application in companies today is a necessity that must be owned companies to integrate business and the IT resources.

Account Payable, Account Receivable and Fixed Asset are the functional domain that contained in the ERP system. During this time, Account Payable, Account Receivable and Fixed Assets applications are still not based on service. These existing application is fixated with the agreed business process early so that when there are changes in business processes will be hard and long to apply, when in fact it will change business processes very often in accordance with the development of a company. So it can be said Account Payable, Account Receivable and Fixed Assets applications have been unable to adapt to the needs of corporate business quickly and accurately.
An ERP application based on Service Oriented Analysis and Design that handles functional domain of the function Accounts Payable, Accounts Receivable and Fixed Asset will be developed in this final project to address issues that have been described previously. Accounts Payable is payable that must be paid by company to suppliers for purchasing of goods in credit. In this final assignment, the Accounts Payable domain is responsible for recording the purchase invoice which will be provided to the domain Cash and Bank for payment. Accounts Receivable is an receivable that must be paid by customer on goods purchased by credit. This functional domain is responsible for issuing sales invoices that will be given to Cash and Bank domain, that will be matched with the amount actually paid by customer. While the Fixed assets is assets that owned by the company and can not be easily converted into cash. This domain is responsible for handling the company's assets. SOAD chosen as the orientation of software development at this final assignment because it has the following advantages:

a) Increasing productivity, agility, and speed for both Business and IT.
b) Making IT can provide faster service and more in line with the business.
c) Making the business more quickly respond to and provide a more optimal user experience.

The implementation of Accounts Payable, Accounts Receivable and Fixed Asset service-based application in this final project is declared successful, proven that the integration of Accounts Payable, Accounts Receivable and Fixed Asset applications with other domains in the Procure to Pay, Order to Cash and journalizing process. In a implementation can be also shown that the application can perform the service orchestration that will be used for further development, i.e., SaaS-based applications.
Keywords : SOAD, Web Service, Account Payable, Account Receivable, Fixed Asset, Enterprise Resource Planning.