DESIGN AND IMPLEMENTATION OF CASH BANK AND
SALES APPLICATION USING SERVICE ORIENTED
ARCHITECTURE IN JAVA PLATFORM

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ABSTRACT

Sales is a very important part of a company. Sales performance have a great influence in the success of a company. Determining sales price without calculating market condition can result in a low sales. Beside sales, financial transaction handling is also an important thing in a company. From financial transaction tabulating the company can obtain a picture of company’s condition which can be useful to determine the next step in improving company’s performance. In this final project, Cash Bank and Sales application are made as a part of an ERP system, to handle sales and financial transactions data.

In the ERP system, cash bank application is in charge of handling every receipt and disbursement transaction. While sales application is in charge of handling product sales, and setting the products selling price. With these applications transaction data can be processed and grouped into various type of transaction so that it can be easier to read. With an integrated applications, the item production cost can also be calculated in no time, resulting in an easier sales price determination. Both of these applications was designed using service oriented architecture (SOA) and built as a web based application so that it does not depend on the running platform. With the use of SOA, it will be easier to modify the applications later. In the analysis and design step, service oriented analysis and design (SOAD) method was used.
From the analysis process until implementation and trial conduction, it appears that these Cash Bank and Sales applications can be integrated with other applications representing various departments of a company, to build an ERP system which can manage the flow of informations between departments easily.

**Keyword: SOA, Web Service, Enterprise Resource Planning, Cash Bank, Sales**