ANALYSIS, DESIGN, AND EVALUATION OF INVENTORY MANAGEMENT SOFTWARE FOR GUDANGKU

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Abstract

Gudangku, a small-sized retail warehouse located in Kudus, Central of Java, has been vastly growing in the last six months, up until the point where their current system could not cope with the growth of their business, thus holds down the growth and cause the store to lose potential profit.

The objective of this thesis is to analyze the current system implemented by Gudangku, design the new system proposed to overcome the problems, and finally develop the application and establish the implementation strategy to integrate the new system toward Gudangku business process.

The new system developed for Gudangku consists of integration of computer application toward business process as major aspect. Customer Database, Supplier Database, Transaction Management, Inventory Management, Debt Management, Report Management, Other Income Management, Other Expense Management, and User Account Management features will be embedded to the application.

Once implemented, the new system is expected to significantly improve business process’ productivity and efficiency through automation of business process, provide richer information as an input for decision making through application’s reporting features and help the store employee to have easier and more convenient way in conducting daily tasks.

Keywords: Information System, Inventory System, Database System, Inventory Management, Context Diagram, Data Flow Diagram