Abstract
Madju Jaya, a medium-sized material store in Jakarta, has been vastly growing in recent years 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 Madju Jaya, 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 Madju Jaya’s business process.

The new system developed for Madju Jaya consists of integration of computer application toward business process as major aspect. Customer Database, Supplier Database, Employee Database, Transaction Management, Inventory Management, Debt Management, Report Management, Payroll 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, Transaction Management, Report Management, Software Engineering