DEVELOPING ACHUSI SYSTEM AS A BUSINESS SYSTEM SOLUTION FOR C.V. X: HUMAN RESOURCE, COST, BONUS, AND UTILITY SUBSYSTEM

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Abstract

This thesis discusses about the design and development of new business system, which is named ACHUSI. The new business system contains a set of subsystem, but the main focus of this thesis will be about Human Resource, Utility, Cost, and Bonus subsystems. Not only focusing on the software side, this thesis also includes the proposed hardware specification that can support the new business system. At present, the business processes in CV. X are done with paper based system, which requires a lot of human efforts to be done. The paper based system also makes the process of tracking, analyzing, and recording data difficult.

ACHUSI is developed by following the customized Waterfall software development life cycle (SDLC) principles. The Human Resource subsystem can be used to handle the payroll payment. Cost and Bonus subsystems are developed to handle the expensed cost and received bonus of the company. The Utility subsystem is developed to handle several things in ACHUSI, such as: add/update/delete business data, the new business system's authorization access, and so forth. Moreover, all of those subsystems are developed based on the user requirement gathered in one phase of Waterfall SDLC.

The Human Resource, Cost, and Bonus subsystems could help to automate the process of payroll calculation, payroll data entry, cost data entry, and bonus data entry. Those data can be recorded and tracked easily for analyzing purpose. Moreover, the Utility subsystem could give useful features for ACHUSI so that the user can be more convenient when using ACHUSI.

By implementing ACHUSI business system with the proposed hardware specification, the company's business processes can be done more efficiently and effectively.

Keywords
Customized Waterfall Software Development Life Cycle, Human Resource Subsystem, Bonus Subsystem, Cost Subsystem, and Utility Subsystem.

PREFACE

To begin with, the author is grateful to God that allows the author to complete this thesis within schedule and with the expected result. This thesis is completed as the final requirement before receiving Sarjana Komputer Degree majoring in Computer Science from Bina Nusantara University. Moreover, this thesis also gives chance for the author to implement the study subjects that has been learned from Bina Nusantara University.

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This thesis is dedicated for the company itself in order to increase the efficiency and effectiveness of their business process and for those who are willing to develop similar or more complex business system with the implementation of Waterfall SDLC principles.

Jakarta, July 20th, 2007

Author

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