ANALYSIS & DESIGN
OF TRAINING INFORMATION SYSTEM
IN THE TRAINING CENTER OF BPK-RI
BASED ON ISO 9001:2000 QUALITY STANDARDS

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ABSTRACT

Currently, Pusdiklat has an information system called SISDIKLAT, which can help manage training data. Due to the demands for Pusdiklat to improve the quality of training, Pusdiklat plans to implement ISO 9001:2000 in training process, so plan also required for development of existing information system. Necessary to determine how the system requirement specification and system design in accordance with these specifications.

The research aims to produce system requirement specification with features that meet the requirements of ISO 9001:2000, and produce a system design in accordance with these specifications. Methodology using Object-Oriented approach with UML, which is divided into four stages, namely Business Analysis, Model Analysis, Model Design and Verification. Business analysis includes analysis of current system, interpretation of ISO 9001:2000 and determines the requirement specification. Model Analysis includes analysis of use case and activity diagrams. The Model Design includes the design of sequence and class diagrams and user-interfaces. Finally, Verification, carried out to evaluate the design results.

From the research concluded that the minimum requirements of ISO 9001:2000 is the fulfillment of the requirements that exist in the six mandatory procedures, that appear in the system design, both in the class diagram, the form of input and output. The final result of system design is expected to become a reference in developing the system, and can support the plan of implementation of ISO 9001:2000.

Keywords: Training Information System, Analysis & Design, UML, ISO 9001:2000