ANALYSIS AND DESIGN
OF FIXED ASSETS AND INVENTORIES INFORMATION
SYSTEMS OF REGIONAL WATER COMPANY (PDAM)
IN MAGETAN REGENCY

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ABSTRACT

Audit results of the performance of PDAM of Magetan Regency in 2008 and 2009 showed that the performance scored increased from 60.55 (graded "good") to 66.38 (graded "good"). The performance audit is done based on the analysis approach of the financial aspects, operational aspects, and administrative aspects. PDAM achievement increased primarily due to the increased value of the financial aspects from 25.50 in the year 2008 to 33.00 in the year 2009, although there was a decrease administrative aspects from the value of 11.25 to 12.92. One of the causes of low achievement in the administration is that the existing accounting system does not produce precise and accurate information about the company's financial statements. Administrative processes are still carried out using a manual system so that the data processing to support stakeholder needs does not run optimally.

One of the way to improve the system is by computerizing and integrating the fixed assets and inventories information systems. In this thesis, study will be directed to determine the specifications required for the development of information systems and then find out whether the system design specifications that met the requirements of the information system. The methodology used refer to the Framework for the Application Systems Thinking (FAST), covering the steps of analyzing the problem through literature study, interviews, and observation; needs analysis to determine the specification of functional requirements and non-functional system development, physical design and integration to obtain design information systems (data, processes, and interfaces) that meet the specification requirements, and in the end will describe the results of verification to ensure that the design meets the system requirements specifications.

This thesis has created a design of fixed assets and inventories information systems, that will be able to be used as a guide or manual documentation in the further development of the whole information systems.

Key Words : regional water company, fixed assets and inventories information systems, design of information system, framework for the application systems thinking.