

ABSTRACT

THE DESIGN OF AN INFORMATION SECURITY MANAGEMENT SYSTEM USING ISO STANDARD 27001:2013 in ANNEX A.14 – ANNEX A.18

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Information security management system is a major supporter of the goal of a company such as State-owned enterprises (SOEs). PT. XYZ is one of the State-owned enterprises (SOEs) engaged in manufacturing. The importance of the implementation of information security management system is needed to help the business objectives PT. XYZ. In accordance with the Ministerial Regulation No. 4 of the year 2016 about information security management system that the organizer of an electronic system which organizes electronic systems must implement high standards of ISO 27001. The process of research is done by analyzing the existing conditions at the company. Next up is doing the assessment gaps through analyzing the security condition there is information on the company. Risk assessment is the core of this research process, risk assessment on some findings in the get will be analyzed and determined the level of risk. The process of the proposed recommendation is a follow-up of the risk assessment process, the entire process is done in this study refers to the ISO 27001:2013. This research process can be used to minimize risk and as a form of compliance with regulations, laws, and legislation related to security of information. The results of this research can also be used as reference material that can be used to improve the effectiveness of information security

Keywords: information security management system, ISO 27001:2013