

ABSTRACT

THE DEVELOPMENT OF INFORMATION SECURITY MANAGEMENT SYSTEM IMPLEMENTATION BASED ON ISO 27001: 2013 USING ANNEX CONTROL IN PT. XYZ CASE STUDY DATA CENTER

PT. XYZ is a state-owned company (BUMN) which is engaged in the manufacturing of the main weaponry systems as well as commercial and industrial equipment. Electronic information is one of the most valuable assets for the company, often the company manages the information and the results are stored or shared. As a parameter to ensure the alignment of IT with corporate business objectives and strategic policies, one approach can be made by implementing information security using the ISO / IEC 27001: 2013 standard according to the regulation of the minister of communication and informatics number 4 of 2016 concerning information security management systems. This research was conducted by analyzing the current condition of the company. Based on the results of the research, it was found that several Annex clauses and controls had not been fulfilled at PT. XYZ data center which can have an impact on the information security management system and affect the performance and business processes at PT. XYZ. Therefore, it is necessary to implement standardization according to ISO 27001: 2013 as a reference direction in maintaining sensitive information for PT. XYZ and this research can be used to minimize risk and as a form of compliance with regulations, laws and laws related to information security. The results of this study can also be used as a reference that can be used to increase the effectiveness of securing company information.

Keywords: *information, electronic information, risk assessment, ISO 27001:2013*