

ABSTRACT

DESIGN OF INFORMATION SECURITY MANAGEMENT SYSTEM USING ISO 27001: 2013 STANDARD WITH CONTROL IN PHASE EXAMINATION IN DANA PENSIUN TELKOM (DAPEN TELKOM) BANDUNG

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The development of technology is currently growing rapidly, as well as advances in knowledge of information systems. Information is an organizational asset that must be protected. As the fulfillment of these requirements, Dapen Telkom has not yet optimally implemented the information security process and the risk of loss and damage of such information. Dapen Telkom has a number of assets used to support business processes in Dapen Telkom. The standard used in this research is ISO / IEC 27001: 2013. Based on the results of the research, the maturity level in clause 7. Support are 3.4 (well-defined), in clause 9. Performance Evaluation are 3.7 (well-defined), in clause A.11 Physical and Environmental Security are 3,085 , in clause A.12 Operations Security are 3.5, in clause A.13 Communication Security are 3.5 and in clause A.14 System Acquisition, Development and Maintenance are 3.3. Based on the maturity level results can be concluded that the control of Annex 11 there are still many deficiencies and has the smallest value. Therefore, the authors make recommendations in the form of SOPs and policies in accordance with Annex 11 Physical and Environmental Security.

Keywords: Risk Management and Information Security, ISO / IEC 27001: 2013, Maturity Level, Dapen Telkom