ABSTRACT

ANALYSIS AND DESIGN OF INFORMATION SECURITY MANAGEMENT IN THE DIRECTORATE OF TELKOM UNIVERSITY INFORMATION SYSTEMS WITH INFORMATION SECURITY INDEX (US) IN SECURITY GOVERNANCE AREA OF INFORMATION, RISK MANAGEMENT OF INFORMATION SECURITY AND INFORMATION FRAMEWORK FOR INFORMATION SECURITY MANAGEMENT

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The development of information technology in the era of digital globalization is increasingly rapid. This can facilitate and facilitate the Institution in carrying out its duties and functions. Institutions must be able to maintain the security of information assets. The Infracstructure & Content (INTEN) Division of the Information Systems Directorate (SISFO) has implemented information technology to support activities and data processing every day, but the information that is owned is not well protected. Then an information security risk will emerge that can threaten the security of information assets, so it is necessary to evaluate information security at the SISFO Directorate. The standard used in this study uses the Information Security Index (US) that has met the standards and aspects of information security that refers to ISO / IEC 27001. OUR Index is an evaluation tool that can analyze the description of the condition of the information security work program. The results of the assessment of the OUR Sisfo Directorate Index with a high category of Electronic Systems and readiness status for the area of governance, risk management and information security management framework are at level II worth 111 from 357 where they are the basic conditions for implementing a framework where the security process runs without official documentation or documents. In this case, the Sisfo Directorate is not ready in implementing an information security management system so that the Directorate must make improvements with documented security control improvements for the implementation of an effective and efficient information security management system.

Keywords: Keamanan Informasi (KAMI) Index, ISO/IEC 27001, maturity level, The Infracstructure & Content Division of the Information Systems Directorate.