

ABSTRACT

***ANALYSIS AND DESIGN OF INFORMATION SECURITY MANAGEMENT
DIRECTORATE OF INFORMATION SYSTEMS OF TELKOM UNIVERSITY
USING THE INFORMATION SECURITY INDEX (KAMI) IN THE AREA OF
INFORMATION ASSET MANAGEMENT, TECHNOLOGY AND
INFORMATION SECURITY***

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Information on assets that is very valuable for an institution, both government and private, including in this case is the SISFO Directorate, which is a private university. Therefore, information security must be done as well as possible. Adequate and sufficient resources must be allocated to protect information assets through the implementation of a measurable information system security policy in accordance with existing standards. The purpose of this research is as an evaluation to monitor the level of information system security readiness made by a tool to analyze the level of information security readiness made by the Ministry of Communication and Information in 2011. The KAMI index is an evaluation tool used to analyze the level of information security readiness in organizations. Evaluation is carried out on several areas that meet the security aspects defined in the ISO / IEC 27001 standard which is a standard published by the International Standard Organization and International Electrotechnical Commission, the standard provides best practice recommendations for information management and ISMS maintenance in organizations. The results of our index analysis show that the category of Electronic Systems is high and the status of readiness in the area of management of information assets, technology and data information is level II with the results of a total score of 160 out of 645 total areas. At this level, it explains that the basic condition of the information application framework which is still not documented in all areas. The Sisfo Directorate has not fulfilled the implementation of information security so that improvements are needed by increasing documented and structured controls.

Keywords: KAMI Indeks, ISO/IEC 27001, Information Security, ISMS