ABSTRACT

Telkom University Open Library is an information system of Telkom University Library which provides the services and informations about the library, such as its circulation service, its available books, and information about Telkom University student's final project. Information security is becoming an issue that must be considered in view of the importance of confidentiality, integrity, and availability of services and information on the information system of Telkom University Library. Information security is securing information from all possible threats. A good Information Security Management System is required to help providing protection against an information system. Audit of information systems in terms of information security is carried out on Telkom University Open Library information systems to find out whether the Telkom University Library has implemented an appropriate information security with an information security standard. In this study, the audit is conducted using the general method of information security auditing and is based on the ISO / IEC 27001 which is a standard that specifically discusses information security. From the completion of the audit, it is known that the level of maturity of the application of information security in the Telkom University Open Library information system is at Level 1, which means that the Telkom University Library is significantly reducing the risk of technical threats, but an investment in the information security management is still low.

Keywords*: telkom university open library, information security, information security management systems, audit, iso / iec 27001, maturity level*