

ABSTRACT

Risk management is an effort made to manage a risk threat that occurs in a company. Risk management functions to create a safe and secure work environment for staff and customers, and as a protector for the company and the surrounding environment from risks or adverse events. Information technology currently plays an important role in supporting business processes. With the rapid development of information technology, which makes information one of the most important and valuable assets for the company, the greater the desire of people to gain access to information and control it. So that there are threats and risks that may occur in information technology assets.

The process of identifying the level of risk in the use of information technology is generally focused on measuring a threat. Telkom is one of the companies engaged in the field of information technology. Telkom experiences various risks in providing services, so an approach is needed to carry out adequate risk management in order to maintain business services and company operations.

The steps in the risk identification process in this study refer to the stages in risk management based on ISO/IEC 27005:2011. Where from the research conducted, it can be found several risks in IT assets that have threats, impacts, and causes for these risks. With the discovery of these problems, the researchers tried to provide control improvements in order to reduce the emergence of risk, namely by carrying out risk treatment and risk mitigation in accordance with the controls that have been selected based on ISO/IEC 27002:2013. The results of the study stated that there were 15 Assets

Keywords: Risk Management, Information Technology, Assets, Risk Identification, ISO/IEC 27005:2011.