

ABSTRACT

Information technology now have an important role in supporting business processes and increasing the competitiveness of companies. Today, the rapid development of information technology makes the information become to th one asset that is very important and very valuable to the company. Along with the increasing value of information assets, so the desire to gain access to information and control become very greater. Thus emerging threats and risks that may occur in the information technology assets. Today, trend in the world of information technology that some companies began to consider the process in maintaining and protecting information which is the principle in information security, by implementing information security management. However, the information technology is never separated from the potential threats and risks of various types and sources. The risks and threats that may occur can affect the information security aspects of confidentiality, integrity and availability. So, we need an approach to manage risks adequately by doing risk management information technology.

PT. Telkom face many risks in providing services. The risks faced by PT. Telkom one of which is operating risks include disruption of the means of production, security of assets, changes in technology and so on. One product to the Internet PT. Telkom Speedy internet service that has the potential threats and risks. The object of this research in STO Bandung Centrum is known to many disorders in infrastructure assets in particular for the providing of speedy internet services.

This study aimed to know a risk assessment and analysis of infrastructur Speedy in STO Bandung Centrum. This study uses qualitative analysis with case study method. Risk analysis uses the approach of standard ISO / IEC 27005: 2011 as a framework for information technology risk management. The result found that there are 22 lists assets of Speedy infrastructure that need to be identified asset value, the level of threat and the degree of vulnerability. Types of threats and vulnerabilities that might happen majority has a low level. In the estimation of risk, found 124 risk speedy infrastructure based on the type and level of threat for each asset, 97 with moderate risk (medium risk), and 27 with a low level of risk (low risk).

Keywords: ISO/IEC 27005, information security, information technology, risk management.