

ABSTRACT

The current technological development is thriving, as well as advances in science about information systems. In an information system, there is data that has not been processed then the data has to be processed which generates an information can be useful to the organization. The information generated can be privacy and gain control of protection to minimize the risk that can cause any harm. This research aims to conduct assessment and risk analysis on the application of management letter (AMS) PT PLN (Persero) distribution of West Java and Banten. This research using qualitative research methods, descriptive and conclusive. Data processing technique using the calculation of asset matrix ISO/IEC 27005:2011 and supported the theory of triangulation. Based on the results of the research, it can be concluded there were 25 sub assets examined levels of Very Low, Low, Medium, High, Very High. Those threats happens is Loss of Power Supply, Backup Power Supply, Hardware Malfunctions, Fire, Malfunction, Software Hackers, Remote Spying mean, Breach actions of Personnel Availability, Theft of Equipment and Eavesdropping. The majority of the value of the level of risk assets examined are at low levels (Low), moderately (Medium), and some assets with high level (High).

Keywords: risk management , security information , ISO/IEC 27005: 2011 , data flow diagram