

ABSTRACT

Information security is currently very important in the scope of government because the vulnerability or even the threat of information security risk cannot be predicted. Such is the case in government which also requires information security management to optimize the quality of business processes and information security itself. As a government agency that implements and utilizes information and communication technology, the Minister of Communication and Information Technology of the Republic of Indonesia has a Regulation of the Minister of Communication and Information Technology Number 4 of 2016 concerning Information Security Management Systems. The current condition of implementing information security management using COBIT 5 for information security at the West Java Communication and Information Service (DISKOMINFO) has not been completely carried out properly, so that problems in management, technical and operational in handling information security related to information assets still cause problems. with Confidentiality, Integrity and Availability.

To optimize the quality of information security management, the research method used is risk analysis using COBIT5 on one of the 7 enabler aspects, namely PROCESS. COBIT5 is a framework for information technology management as one of the supports in optimizing information security management by calculating the percentage of the capability level of the EDM03 and APO12 process domains, measuring how much impact for agencies if the risk occurs and calculating the risk level. Then mitigate the risks that have been identified using the ISO / IEC 27001 control framework.

The results of this study are documents on risk management management and security control arrangements to support the making of policy recommendations that will be submitted as suggestions or consideration for DISKOMINFO JABAR in the application of information security management that focuses on resolving current information security problems.

Keywords: *DISKOMINFO, COBIT5, 7 enablers, Risk Analysis, ISO 27001.*