

ABSTRACT

Along with the development of information technology in this world, the need for instant communication has become indispensable. Communication in question is the exchange of data between one computer device and another. In government affairs, it is very necessary to support the many requests for service. Apart from services, it is also necessary to increase information security in government with the aim of ensuring that information and data in the government are guaranteed its confidentiality, integrity and availability. The South Tangerang Communication and Informatics Office is an autonomous regional executive whose job is to maintain the security of information assets. In carrying out its duties, information security risks will arise that can threaten the security of information assets. Risk management need to be done so that the security of information assets is maintained. In order to find these risks, an information security evaluation is carried out.

The purpose of this study in general is to make an information security evaluation design at DISKOMINFO South Tangerang by referring to the COBIT 5 for Risk framework and using the COBIT 5 process with the EDM and APO Domains. The systematics of this research consists of several stages, namely the context analysis stage, the existing analysis stage, the design stage, and the final stage.

The results of this study indicate that DISKOMINFO Tangerang Selatan has implemented several COBIT 5 for Risk principles such as the process principle to overcome some of the existing risks, the application of the APO and EDM domains is also quite good but there must be improvements. The assessment process in both domains is still at level 1 (performed process) with the percentage of EDM03 57% and APO12 62% which are included in the Largely achieved level category. In addition, 10 cases of risk were found with 1 risk at a very low level, 2 risks at a low level, 5 risks at a moderate level, and 2 risks at a high level. Then, produced seven policy recommendations that can help DISKOMINFO Tangerang Selatan in dealing with existing risks.

Keyword : COBIT 5, DISKOMINFO, Information Security, Information Technology.