

ABSTRACT

Dinas Komunikasi dan Informatika (DISKOMINFO) is an agency that is responsible for processing data and information in the city government level in Bandung. Diskominfo Kota Bandung has implemented Information Technology to meet its business needs. In conducting Information Management Design there are various methods that can be done. To do the Design Information Security in Diskominfo Bandung using OCTAVE-S (The Operationally Critical Threat, Asset, and Vulnerability Evaluation-Small) methods in risk assessment. The OCTAVE-S method was chosen because the results of the research with the OCTAVE-S method were able to describe comprehensively because it involved all levels of management in evaluating weaknesses both in terms of technology and organization. In conducting a risk assessment using the OCTAVE-S Method, it is necessary to carry out the steps in the analysis of risk assessment in advance to find the findings contained in Diskominfo Kota Bandung. Security analysis with OCTAVE-S method is comprehensive, systematic and directed. This analysis will be a reference in producing an Information security management plan for the Diskominfo Kota Bandung. Design Information Security Management with ISO 27001 Control is expected to increase the effectiveness and efficiency of the application of Information Technology at Diskominfo Bandung. The results of the design of the Security Control with ISO 27001 Control are expected to be a consideration for the Diskominfo Kota Bandung to compile recommendations that are proposed in order to control the risk of all IT Assets contained in Diskominfo Bandung.

Keywords: information security management, risk assesment, octave-s, e-government, control iso 27001.