

ABSTRACT

Diskominfo Kota Bandung is one of SKPD Pemerintah Kota Bandung which is specially assigned to optimize public service to society and government by using electronic system. As the organizer of electronic systems Diskominfo Kota Bandung have implement information security management system standardized ISO27001: 2013. It based on Permenkominfo No.4 Year 2016. The conditions of the information security at Diskominfo Kota Bandung hasn't been support the preparation of implementing ISMS standardized ISO 27001:2013. Diskominfo Kota Bandung hasn't have the regulation and procedure about information security, only some of the human resource who understand about information security are the problem for Diskominfo Kota Bandung to implement the ISMS. We can conclude that in the implementation of ISMS, Diskominfo Kota Bandung need to make a planning from the organizational context, leadership, planning and support. The Plan-Do-Check-Act method is one of the methods that used to implement the ISO 27001: 2013. This research uses clause 4-7 (Organizational Context, Leadership, Planning and Support) and Annex control according to Diskominfo Kota Bandung's requirement to apply SMPi based on ISO 27001: 2013 in planning aspect (Plan). The result of this research is to identify the unconformant requirement in clause 4-7 and risk identification that not conformant with the requirement. At the end of the study there were 11 risks from 11 unconformant clauses. Out of the 11 risks, 4 risks are included in the high risk level so that risk mitigation is done by recommending some solutions for the aspects of human resources, process and technology.

Keywords: Information System Management Security, Plan-Do-Check-Act Cycle, ISO 27001:2013