

ABSTRACT

A decision that is not based on correct information will have a fatal impact on institutional activities to achieve institutional goals. It requires excellent information security to support the activities of the institution in making the right decision.

Based on the Regulation of the Minister of Communications and Informatics No. 4 of 2016 on Article 7, each electronic system administrator must implement information security in accordance with information security standards that have been shared by Kominfo.

The result of the assessment of the electronic system category states that the Government Institution X must implement the ISO / IEC 27001 standard. ISO / IEC 27001 is an information security standard that defines requirements for creating, applying, implementing, monitoring, analyzing, and maintaining and documenting ISMS standards.

The method used is qualitative method, data collection and data validation with triangulation technique (interview, observation, and documentation). Data analysis using gap analysis and to measure the maturity level of this research using CMMI (Capability Maturity Model for Integration).

The result of the research shows that information security which has been applied by Government Institution X is at level 1 (Initial) which means there is evidence that the institute is aware of problems that need to be overcome, unstandardized process, and tend to handle the problem individually or by case.

Keywords : ISO / IEC 27001: 2013, information security, CMMI, assessment