

ABSTRACT

The Communication and Informatics Service (Diskominfo) of XYZ City is a government agency responsible for managing communications, informatics, statistics and information security in the XYZ city area. Previously, Diskominfo of XYZ City had carried out an assessment using the Information Security Index (KAMI) version 4.2, the results showed that their information security maturity level was still at level II with a score of 322. Therefore, this research was carried out with the aim of identifying and reducing security risks. information as well as updating security assessments in accordance with the latest international standards. This research uses an approach that is guided by the ISO/IEC 27001:2022 standard and the latest version of the Information Security Index (KAMI) 5.0 to assess the level of information security maturity at the Diskominfo City of XYZ. The research results show that Diskominfo City XYZ is at level II+ with a score of 508, namely at level 4 of the 9 existing maturity levels. Based on these results, evaluation recommendations are provided in accordance with the guidelines of the ISO 27002:2022 document to improve information security at the XYZ City Diskominfo.

Keywords: Information Security Index (KAMI) version 5.0, Maturity Level, ISO/IEC 27001