

**EVALUATION OF INFORMATION SECURITY USING
INDEX KAMI 4.2 IN THE DEPARTMENT OF
COMMUNICATION, INFORMATICS, STATISTICS, AND
CRYPTOGRAPHY AT PASER DISTRICT**

Student Name : Nikita Samantha
Student Identity Number : 10191065
Main Advisor : Dwi Arief Prambudi, M.Kom.
Companion Advisor : I Putu Deny A.S. Prabowo, S.Kom. M.Eng.

ABSTRACT

Paser Department of Communication, Informatics, Statistics, and Cryptography (Diskominfo Paser) is a regional institution tasked to providing information on regional development and public service provider. Based on Kominfo regulation No. 4 of 2016, Diskominfo Paser district as a local government apparatus, requires implementation and supervision related to information security in order to safeguard all managed information. However, the current information security is still weak because there has never been an evaluation of information security either independently (self-assessment) or from an external party, as a result there are still attempts to hack the system and involvement of third parties without any formal contracts. Based on these problems, researchers provide a solution to evaluate information security at Paser Diskominfo Paser using the Index KAMI 4.2 which was formed by BSSN in accordance with ISO/IEC 27001:2013 standards to determine the level of information security readiness. The stages in Index KAMI 4.2 method are evaluating electronic systems, evaluating the six areas, analyzing dashboards and providing recommendations for improvements. The results of the evaluation were obtained with an overall final score of 220 and a final score in the Electronic System (SE) category of 30 which was included in "High" category, thus indicating that information security is currently in the "Inadequate" Preparedness Level status with a Maturity Level of level I to level II. As a result, 8 recommendations were generated in the information security governance area, 12 recommendations in the information security risk area, 15 recommendations in the information security framework area, 25 recommendations in the information asset management area, 7 recommendations in the information technology and security area and 28 recommendations in the supplement area. to increase compliance with Completeness Level status in meeting the ISO/IEC 27001:2013 Basic Framework.

Key Word:

Information Communication, Statistics and Encryption Service of Paser Regency, Evaluation, Information Security Index (KAMI) 4.2, ISO/IEC 27001:2013, Information Security



www.itk.ac.id