

ABSTRACT

XYZ Agency in its operations always maintains the security of its information. This research focuses on measuring the Information Security Awareness (ISA) of agency employees so that it can provide demographic information on employee understanding and solutions to information security. In assessing the level of security awareness and priority, the research uses the Knowledge, Attitude, Behavior (KAB) concept model. Meanwhile, the questionnaire was based on the Human Aspects of Information Security Questionnaire (HAIS-Q) and the Analytic Hierarchy Process (AHP) method. The results of the answers to the questionnaire were taken from about 30 employees in one of the agency's operational branches. There are a total of 21 parameters for measuring the results obtained, consisting of 12 parameters at the good level and 9 parameters at the average level with an overall value of 80.82% (satisfactory category). However, the 9 parameters which are divided into internet use, social network, incident reporting, and mobile computing need to be developed by means of the agency providing socialization and training, especially on these parameters.

Kata Kunci : Information Security, Information Security Awareness (ISA); Human Aspects of Information Security Questionnaire (HAIS-Q); KAB model; Analytic Hierarchy Process (AHP)