

## **ABSTRACT**

*Information security has become a key factor in the success of various organizations in this growing digital era. However, the rapid growth in the telecommunications industry also brings potential risks for companies and organizations. It is undeniable that human resources are an important maintenance factor, considering that the utilization of information security maintenance factors is carried out by humans. This study uses the Human Aspects of Information Security Questionnaire (HAIS-Q) to assess the level of Information Security Awareness of PT Telkom Indonesia, Tbk, focusing on employees of the Information Technology Division. This study aims to measure the level of awareness through three aspects: knowledge, attitude, and behavior, and to evaluate the effectiveness of Security Education Training Awareness (SETA).*

*The results of this study indicate that the level of Information Security Awareness among IT Division employees is at the "Good" level. Based on its dimensions, behavior is the dimension with the lowest percentage in the focus areas of Email Usage and Mobile equipment. The results of this study also show that SETA Effectiveness has a positive and significant influence on the level of Information Security Awareness based on the aspects of attitude and knowledge among employees. Therefore, the company needs to maintain high-focus areas and improve low awareness knowledge, as well as design a comprehensive Security Education Training Awareness program that includes cognitive, affective, and conative aspects to achieve the goal of information security protection.*

**Keywords:** *Information security, security awareness, Security Education Training Awareness (SETA), HAIS-Q*