

ABSTRACT

IT security plays an important role in educational institutions, it is important to pay attention because it is related to the security of an information/data. Identification of validity analysis needs to be done so that these aspects can be used as metrics in risk analysis of IT security threats. This study proposes a validity analysis metric in IT security threats in educational institutions, with the help of SmartPLS 3.3.2 and IBM SPSS 25.0.0 applications. The methods to validate the validity analysis as a metric are PLS, correlation analysis and significance analysis. The results of this study have provided a valid indicator value. This is evidenced by the value of outer loading above 0.708, which is in the range of values of 0.732–0.940. Based on the correlation analysis test, the correlation value is in the range of 0.160–0.931 which shows the results of the variables are weak, moderate, very strong, and almost perfect. This weak correlation value involves the correlation relationship being insignificant and producing a value below the significance level of 1.518. The metrics that have been determined will be used to establish a risk assessment framework in educational institutions so that it is expected to produce better outputs in the risk profile.

Keywords: *IT Security, Validity, Metrics, Framework, Risk Analysis*