ABSTRACT

Regarding security and conducting a risk assessment of information systems and data from an institution's *Website* in education. On all *Website*s that are connected to the internet such as the ac.id *Website*, sch.id and so on, *No*t all have 100% safe security, all *Website*s have a gap to exploit the contents of the *Website* and the results of the contents contain information and data . According to the results of research conducted by Pinzon (2010) on *SQL Injection*, the accuracy of *Website* vulnerabilities is almost 90 which has a *Website* security *level* that is very *Vulnerable* to attack. In this study, the risk assessment mechanism is on an educational institution *Website*. where the *Website* is filled with databases and information to be tested by penetrating with *SQL Injection* techniques and data clusters / K-Means for data. To find out the risk *level* of a *Website* is to *Use* the CVSS v2, minimal, maximal method and Open *Web* Application Security Project (OWASP) Risk Rank Rating.

Keywords:OWASP, Information System, Risk Assesment, Risk Rank