

ABSTRACT

The development of Information and Communication Technology at this time brings convenience to human life. One thing that is growing quite rapidly is web-based applications. Web-based applications were chosen because these applications can run on various platforms and also include applications that are lightweight to use. The proliferation of web-based applications is a challenge for web-based application developers in developing the security aspects of these applications. Every web application is unique in its own way from coding to execution, but in general in every web application there are security loopholes that are easily misused by irresponsible people (hackers), therefore it is necessary to scan for security gaps. is on a website. In this final project, a vulnerability assessment plan will be carried out with the help of OWASP ZAP (Zed Attack Proxy) and Nmap (Network Mapper) tools which function to find security gaps in a web application. Using these scanning tools as a security vulnerability assessment can reduce costs and test web application security and help strengthen web application security.

Keywords: Vulnerability Assessment, Web Application, OWASP ZAP, Nmap