

ABSTRACT

WEB APPLICATION VULNERABILITY ASSESSMENT USED OWASP VERIFICATION STANDARD FOR UGM WEBSITES

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The rapid growth of web application usage caused the cyberattacks against it have also increased. It will give bad impact for large company or organization, including educational organization. In situation like this, it's important to make web application more secure than before. Therefore, vulnerability assessment is very needed to determine the vulnerabilities that occurs in web application. This research provides the vulnerabilities assessment for UGM Websites and analyzes the common vulnerabilities that occurs in UGM Websites. The main testing approaches in this research are search engine discovery using google hacking database and vulnerability scanning using Zed Attack Proxy. The testing result will be a guideline to determine top 10 common vulnerabilities and designing the solutions to decrease the possibility of vulnerabilities in UGM Websites. To support the solutions, OWASP Application Security Verification Standard or The Open Web Application Security Project ASVS will be used to be a web application security standard in this research.

Keywords: OWASP, Web Application, Vulnerability, Assessment, Security, Google Hacking Database.