ABSTRACT

HARDENING WEB APPLICATIONS USING OWASP SECURITY TESTING GUIDE (WSTG) ON ABC WEBSITES

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Security Hardening is a series of processes to improve the security of a system so that the system is not easily exploited or attacked by irresponsible parties. This research aims to find any vulnerabilities found on the ABC website as well as analyze and harden the website. This study uses the OWASP method as a research guide. By using the OWASP Risk Rating Methodology, it is possible to calculate how severe or dangerous the vulnerabilities are on the website. Research conducted to find vulnerabilities on the ABC website uses three techniques according to the OWASP GUIDE, namely information gathering, data validation testing, and client-side testing. The results of the study revealed that eight vulnerabilities were found on the website. After conducting an overall risk assessment, the risk of the eight vulnerabilities to the ABC website is included in the low category.

Keywords: *Security Hardening, OWASP, Risk Assessment*, *OWASP Risk Rating.*