Website Security Analysis Using Automation with Port Scanning Method

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ABSTRACT

Website security is a crucial aspect in today's digital era, where the threat of hacking is increasing. This research focuses on analyzing the security of the Website using the automatic Port Scanning method. The main objective of this research is to identify the state of Port security on the Website, determine automatically Open and Closed Ports, and identify the Host operating system used by the Website. The Port Scanning method allows researchers to check the status of various Ports, identify security gaps, and provide recommendations for improving system security. The results show that this method is effective in identifying potential vulnerabilities and providing a comprehensive overview of the Website's security condition. This research is expected to be a reference for academics and practitioners in developing better security systems in the future.

Keywords: *Website Security, Testing, Automated Testing, Ports, Scanning, Port Scanning, Website Security, Automation, Security Analysis,*