

## **ABSTRACT**

***SOFTWARE SECURITY HARDENING ON VIRTUAL PRIVATE  
SERVER BASED NIST SP 800-123  
AT XYZ UNIVERSITY***

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*The development of technology from year to year has developed so rapidly. One of them is the use of websites in industrial and government environments. The website provides convenience in supporting ongoing business processes and can help work in solving problems that occur in an organization. In using the website, of course, a server is needed to process data requests or provide information to users. At the XYZ Faculty at XYZ University which has a virtualxyz server which contains a website that is used to support academic and administrative activities. But in the development of technology, of course, accompanied by vulnerabilities or attacks against these applications. Therefore, on the virtualxyz server it is necessary to carry out a Security Hardening process based on the National Institute of Standards and Technology (NIST) Special Publication 800-123. The purpose of this study is to analyze the security on the virtualxyz software server to minimize attacks that occur. The results obtained from the analysis on server software based on NIST SP 800-123 found 5 procedures that have not been implemented on the virtualxyz server.*

*Keywords: Server, VPS, Vulnerability, NIST SP 800-123*