ANALYSIS OF NGINX, APACHE, AND LIGHTTPD WEB SERVER PERFORMANCE USING STRESS TEST METHOD

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ABSTRACT

Internet in the era of globalization has been very developed. Wherever and whenever you can access the internet if you have a connection and adequate tools. Website technology has two-way communication, namely the client and server. A good web server will greatly affect access from the two-way relationship. Three types of web servers that are commonly used are Nginx, Apache, and LIGHTTPD at this time. As an information service provider, it is expected to be able to serve the needs of users in several aspects, especially in terms of the performance of the web server itself. To compare and prove the performance of the Nginx, Apache, and LIGHTTPD web servers, it is necessary to analyze, test, and compare every aspect of each web server.

Based on the case studies discussed, it is expected that users can choose the best web server from the three types of web servers according to their needs. The author performs a comparative analysis of throughput, request, and error parameters by giving a different load on each test performed. After testing is done and from the results obtained it can be concluded from each web server according to user needs.

Keyword **:** *web server*, Nginx, Apache, Lighttpd, *Stress Test*