The growing development of information technology and more and more activities carried out using information technology, especially in a developing company that uses a web server, of course requires a web server whose process is fast so as not to be hampered in doing the work. This study aims to analyze the loading speed of the web server. This research produced a form of research report along with the solution for using a load balancing system. In the test, this study uses a stress test on a webserver that has been loaded with load balancing. The results of the study produced a solution to the problem of the delay process of the webserver response, namely the load balancing configuration of the web server.

Keywords: webserver, load balancing, stress test, haproxy