

***Website Performance Analysis Design with Automation Stress Testing Approach
(Case Study SMA Negeri 1 Jember)***

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ABSTRACT

School information systems are tools used by schools to improve education services and quality, as well as to receive information more effectively. In particular, the website of SMA Negeri 1 Jember will be studied to simulate a situation where many users access the site simultaneously.

This research looks at whether the website is able to respond and serve these many users in a fast time or not. With the Stress Testing can find out how the performance capacity of the system to the response.

Based on Stress Testing research on SMA Negeri 1 Jember website with test cases 40 users, 400 users, and 1000 users. In the 40 users test case the percentage of success is above 80%, the 400 users test case the percentage of success is below 30%, and in the 1000 users test case the percentage of success is below 15%.

Keywords: *Performa Testing, Stress Testing, JMeter, Website.*