

***Website Performance Testing Based on
Website Load Using Apache JMeter
(Case Study: LSP SMKN 2 Kraksaan Website)***

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ABSTRACT

The professional certification process at SMKN 2 Kraksaan is carried out using a web-based information system. Therefore, this research examines the number of users who can access the website and the common issues that often occur, such as server access failures and slow page load times, which affect the website's performance.

This study aims to determine whether the website can serve a large number of users efficiently. By conducting load testing, the study measures the average response time required for users to access the website.

Based on the load testing conducted on the LSP SMKN 2 Kraksaan website, specifically in the assessment section, the website can handle simultaneous user access, accommodating up to 500 users within a 1-second access duration. However, when the number of users reaches 1000, test results indicate that some users experience failures due to the website exceeding its maximum capacity in the assessment section.

Keywords: *Performance Testing, Load Testing, Website, Apache JMeter.*