

***Analysis of Testing and Redesign of PT Nusa Data Prima Company Profile
Website Using Usability Testing and Automation Testing Methods***

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ABSTRACT

The company profile website of PT NUSA DATA PRIMA faces challenges in usability and performance aspects, which affect user experience and system efficiency. The main issues identified include the lack of optimal usability features and performance degradation as the number of users increases. This study aims to analyze and improve the website using Usability Testing and Automation Testing methods. The results of the Usability Testing show that the majority of respondents agree, with an average score of 89.17%, which falls into the "very feasible" category. However, through open-ended questionnaires and interviews, ten aspects were identified that need improvement. Meanwhile, the results of the Automation Testing reveal an increase in response time from 887 ms to 42,993 ms as the sample size grows, with an error rate of 70% at 210 samples, and a decrease in throughput, indicating that the system struggles to handle high loads. Based on these findings, two improvements were identified in the Automation Testing aspect. Overall, there are twelve improvements, consisting of nine through redesign and three without redesign, aimed at enhancing the quality and performance of the website.

Keywords: *Analysis, Testing, Company Profile, Usability, Automation*