ABSTRACT

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COMPARISON ANALYSIS OF MANUAL TESTING METHOD AND AUTOMATION TESTING METHOD ON E-COMMERCE WEBSITES.

Keywords: Automation Testing, Comparison analysis, e-commerce website, End-to-end Testing, Katalon Studio.
(xiii+71)

Software development, especially those using agile approaches, will not be separated from the testing phase. End-to-end testing is a testing technique that has a large scope and it is possible to spend a lot of time in its implementation, while now the development cycle of a software is getting shorter. When performing the software or system testing process, testing needs to be run not only manually, but also automatically using automated testing tools. This research aims to conduct a comparison analysis of manual testing and automation testing using Katalon Studio tools on one of the e-commerce websites in Indonesia and to find out faster testing methods so that software development runs smoothly and on time.

The study was conducted by conducting manual testing using Microsoft Edge Chromium web browser and automation testing using Katalon Studio as many as 5 iterations.

The results showed the average time required in automation testing was shorter than the average manual testing time, so based on testing time, automation testing runs faster than manual testing.

Bibliography (2015-2020)