Abstract
In the current digital era, software quality is crucial for companies' success. Comprehensive software testing is a vital step in ensuring product functionality, reliability, and optimal performance. Rumah Siap Kerja, as an online platform focusing on individual career and business development, continuously enhances its product quality through the *Quality Assurance* (QA) team. Currently, the QA team utilizes the *WebDriverIO* automated testing tool with a *Test-Driven Development* (TDD) approach. Despite the assistance provided by *WebDriverIO*, the team faces challenges related to updates and syntax complexity. In response, they are considering transitioning to *Cypress*, an *open-source* automated testing tool with solid community support and features more aligned with their needs. The QA team's challenge is learning Cypress without disrupting productivity and testing schedules. This research aims to document the comparison results between *WebDriverIO* and *Cypress*, focusing on comparative evaluation criteria such as *functionality, usability,* and *Performance Efficiency*. The outcomes of this comparative evaluation are expected to assist the Rumah Siap Kerja QA team in making informed decisions regarding selecting the most suitable automated testing tool for their project.

Keywords: *automated testing, test-driven development (TDD), cypress, webdriverIO, comparative evaluation, quality assurance* **(QA).**