

ABSTRACT

In today's digital era, the rapid and efficient dissemination of information is crucial, particularly in building the reputation of educational institutions such as Telkom University. The Tel-U News application is designed as a digital solution to facilitate the process of news creation, submission, approval, and archiving through a structured approval system. To ensure the quality of this application, Quality Assurance (QA) processes were implemented through both manual and automated testing. The testing utilized the Agile method with an iterative and collaborative approach emphasizing open team communication. Automated testing was performed using Selenium to verify the functionality of features such as news creation, multi-level approval, monitoring, and archiving. The QA process was conducted during an internship at the Information Technology Center Directorate (PuTI) of Telkom University, specifically in the Information Technology Product Development (DevTI) division. The results indicate that automation significantly reduced testing time compared to manual methods, while also improving accuracy and process efficiency. This approach provides a structured development path for the Tel-U News application, effectively supporting the university's public relations needs and adapting to technological advancements.

Keywords: (Tel-U News, Quality Assurance, Automation Testing, Selenium, Agile, Approval System)