

ABSTRACT

Effective and efficient software testing is a vital component in the software development lifecycle, particularly in ensuring the quality and reliability of web applications. This report summarizes the internship activities at PT Neuronworks Indonesia, focusing on the application of automated testing using Cypress, an end-to-end testing tool. The implementation of Cypress aims to accelerate the testing process and reduce the potential for human errors commonly associated with manual testing. This project involves several stages, starting from testing requirements analysis, Cypress configuration, to integration with the company's software development workflow. The results of the implementation show a significant improvement in the efficiency and accuracy of the testing process. Cypress enables consistent test execution and automates complex testing scenarios, which were previously challenging to perform manually. Through this experience, valuable insights were gained into the use of automated testing tools in a dynamic work environment and how these tools can be adapted to meet a company's specific needs. The conclusion of this report emphasizes the importance of adopting automated testing to enhance software product quality and development process efficiency.

Keywords: automated testing, Cypress, software development, efficiency, quality.