

ABSTRACT

XYZ Company is developing an Audit Trail Management System application aimed at storing, tracking, and managing project documents in a structured manner to enhance transparency in project management. This research conducts functional testing using the blackbox testing method, consisting of two types: manual testing and automated testing using Katalon Studio. Manual testing is used to evaluate the results of automated testing to determine whether the automated tests are valid. The testing process follows the Software Testing Life Cycle (STLC) framework, which helps ensure a more structured approach and clearer focus at each testing stage. This research is also motivated by the frequent errors in application testing, which often lead to mismatches between expected results and system output, as well as potential issues in data processing and interface display. By applying STLC and evaluating automated testing results against manual testing, the goal is to ensure the application functions as intended and to minimize the risk of errors during the production phase.

Keywords: Audit Trail Management System, Blackbox Testing, Katalon Studio, STLC, Automated Testing, Manual Testing.