

ABSTRACT

EduSkill is a web-based application developed to support the registration and training management processes at the BINA ESSA Institution. To ensure the application meets software quality standards, an evaluation was conducted based on the ISO 25010 quality model. This study aims to identify the most relevant quality characteristics and assess the application's quality based on five selected aspects: Functional Suitability, Performance Efficiency, Reliability, Security, and Portability. The evaluation was conducted by mapping system requirements, compiling checklists, and performing tests using tools such as Apache JMeter, SonarQube, Postman, and cross-browser display testing. The results show that 100% of features passed functional testing, response times were under five seconds, the system handled 300 active users with an error rate of less than 1%, and no critical security vulnerabilities were found. The application also ran consistently across various browsers without functional issues. Based on these results, it can be concluded that the EduSkill application meets most software quality standards and is suitable for further use and development.

Keywords: *iso 25010, quality assurance, software testing. web application*