

Pengujian *Functional requirements* Aplikasi Rekrutmen Asisten Berbasis Web Menggunakan Metode EQP dan Exploratory Testing

Jean Rika Haryadi¹, Arfive Gandhi², Monterico Adrian³

^{1,2,3}Fakultas Informatika, Universitas Telkom, Bandung

¹jeanrikha@student.telkomuniversity.ac.id, ²arfivegandhi@telkomuniversity.ac.id,

³monterico@telkomuniversity.ac.id

Abstract

The recruitment process for assistant lecturers and laboratory staff in educational institutions often faces challenges in terms of efficiency and transparency due to the use of multiple, non-integrated platforms.

This situation makes it difficult to systematically manage recruitment and may hinder the selection process for optimal candidates.

This study ensures the successful testing of a web-based Assistant Recruitment Application by applying Black-box Testing methods, including Equivalence Partitioning (EQP) and Exploratory Testing techniques. The testing process follows the Software Testing Life Cycle (STLC) framework for formal testing and the Exploratory Testing Cycle (ET Cycle) for Exploratory Testing methods. The testing team focuses on designing and executing test cases to validate the functional requirements specified in the Spesifikasi Kebutuhan Perangkat Lunak (SKPL) document.

The testing results show that the assistant recruitment system can improve the efficiency and accuracy of the selection process by identifying bugs and anomalies that may occur in various usage scenarios. The combination of these testing methods provides a comprehensive approach to ensuring system quality.

Keyword: Software Testing, Assistant Recruitment Application, EQP, Exploratory Testing, Functional Requirements.