ABSTARCT

This research focuses on the development of the Kerja Praktik dan Pengabdian Masyarakat (KPPM) website application at the Faculty of Industrial Engineering, Telkom University, specifically on the assessment and data management module. One of the issues faced is that students are unable to directly access their assessment results through the website, and administrators find it difficult to export assessment data for specific periods. To address this issue, the Iterative Incremental method was used in system development, allowing for gradual and iterative development, so that each feature could be tested and adjusted iteratively until the desired outcome was achieved. The system implementation successfully added features such as direct access for students to their assessment results, a log menu to monitor assessment status, and flexibility in exporting assessment data for the desired period. System testing was conducted using the Black-box Testing method, which ensured that all main features functioned according to user needs. The test results showed that the system was able to meet user needs effectively, enhancing transparency and accuracy in managing assessment data. This research contributes to the improvement of academic services at the Faculty of Industrial Engineering and is expected to serve as a reference for developing similar modules in other academic information systems.

Keywords: Iterative Incremental, Penilaian Akademik, Kerja Praktik dan Pengabdian Masyarakat, Black-box Testing.