

ABSTRACT

This study aims to develop and implement an Enterprise Resource Planning (ERP)-based information system using Odoo 18 to support the recording of competition activities and reimbursement submissions at the Student Affairs Unit of the Faculty of Industrial Engineering (FRI), Telkom University. The main problem addressed is the absence of an integrated system capable of efficiently managing student activity data, which causes obstacles in the processes of reporting, verification, and achievement documentation. The developed system utilizes two main Odoo modules, namely Event and Expense. The Event module is used to record competition details such as name, category, competition field, and student participation data. Meanwhile, the Expense module is used to record reimbursement submissions after the activity has taken place. These two modules are connected through a dedicated button that allows automatic data transfer from Event to Expense, thereby speeding up the process and minimizing input errors. The system was developed using the Quickstart approach, an ERP implementation method that emphasizes speed, efficiency, and alignment with user needs. The system was evaluated through integration testing to ensure proper inter-module connectivity, user acceptance testing (UAT) using the blackbox approach to assess ease of use and system acceptance, and the user experience questionnaire (UEQ) to measure user experience in both functional and emotional aspects. The test results show that the system supports administrative processes effectively, is easy to use, and received positive evaluations across all UEQ dimensions, with the highest scores in attractiveness and perspicuity. Thus, the Odoo 18-based ERP system developed using the Quickstart method has proven to provide an effective, well-documented, and structured digital solution for supporting student affairs management.

Keywords — Enterprise Resource Planning (ERP), Odoo, student affairs, Quickstart.