

ABSTRACT

The Faculty of Industrial Engineering (FRI) is one of the faculties at Telkom University with several study programs that have been accredited nationally and internationally. In organizing educational services, the Faculty of Industrial Engineering is assisted by academic units and student affairs units that are responsible for academic and student services. In student services, the Student Affairs Unit of the Faculty of Industrial Engineering needs to manage loan applications for activity facilities efficiently. Currently, the process of borrowing activity facilities is still done manually, which can cause errors in the submission and management of activity facility loans. To overcome this problem, an optimal implementation of information technology is needed. Therefore, this research will design an Enterprise Resource Planning (ERP) system for the rental module using Odoo software version 17. This system can integrate and improve efficiency in the process of borrowing activity facilities. This system design will be carried out using the Quickstart method because it can increase the system development process effectively. The resulting system design will facilitate the process of borrowing activity facilities at the Faculty of Industrial Engineering from the loan application process, monitoring the availability of facilities, monitoring the approval process, to returning borrowed facilities. The results of this system design will be tested using Blackbox Testing and User Acceptance Testing to ensure the success of the system performance of this research.

Keywords: Enterprise Resource Planning (ERP), Odoo, Rental Module, and Quickstart Methods