

ABSTRACT

Borrowing rooms is an activity used by individuals or groups for a specified period. The Industrial Engineering Faculty Laboratory also provides authority for both internal and external parties to borrow rooms and laboratory equipment assets. The problems that arise in the management of borrowing in the laboratory still use excel recording, do not have a website system to carry out the borrowing recording process. Some borrowing and asset data have not been properly recorded and evaluated in the Industrial Engineering Faculty Laboratory. The recording is not well organized. There is a lot of borrowing data and it still in the form of letters that must be filled in again in excel for a recap. Considering these problems, an Enterprise Resource Planning using Odoo with the quickstart methodology is needed. The choice of the quickstart method is due to affordable costs, flexibility due to ease of modification. Use the rental module as a basis to develop a borrow module adapted to the needs of the Industrial Engineering Faculty Laboratory. The goal of developing this ERP system is to design an Odoo based room and asset borrowing business process, including borrowing records, quotation creation, borrowing confirmation, key handover, and key return. This design will also be integrated with the inventory module as a record of room locations. Testing on the system uses the Black Box Testing method and Expert Judgement. The results of the Black Bos Testing test show that the system is successful with a value of 4, and it is recommended to prepare a usage procedure to maintain information quality. The result of the Expert Judgement Test with a value of 4, the system is stated to be well utilized by the laboratory, with recommendations for adding to the system so that it does not look to much like an Odoo module, such as using attractive themes and design according to the laboratory's identity.

Keywords - Borrowing, Room, Rental Module, Odoo, Quickstart, Methodolog, Black Box Testng, Expert Judgement.