

ABSTRACT

**IMPLEMENTATION AND ANALYSIS OF ENTERPRISE
RESOURCE PLANNING INVENTORY MODULE BASED ON
ODOO USING ASAP METHOD (CASE STUDY: MERANGIN
MEDICAL CENTRE PHARMACIES)**

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Merangin Medical Centre Hospital is a private hospital in Jambi that has a pharmacy for the purchase of medicines by patients. One of the business processes at the pharmacy is Inventory which includes the receipt and procurement of drugs. Merangin Medical Centre Pharmacy still uses a manual system as a result, the pharmacy experiences problems in the process of receiving and procuring drugs so that a lot of data is used, not recorded, and a lot of data is not in sync with field findings. From the existing problems, technology or system is needed that can automate the Merangin Medical Centre pharmacy inventory business process. The open-source Enterprise Resource Planning (ERP) system is a solution to the problems that occur at the Merangin Medical Centre pharmacy. Given that the Merangin Medical Centre pharmacy is still in the process of developing, an ERP system that is affordable and easy to implement is needed, therefore, Odoo was chosen as open-source software that can help the problems of Merangin Medical Centre pharmacies. The development of the Odoo system uses the Accelerated SAP (ASAP) method. The reason for using the ASAP method is based on the level of time efficiency and the minimal costs incurred compared to other methods and can describe all activities in implementation, data conversion, and user authorization earlier than most traditional implementation methods. The ultimate goal of developing an inventory module ERP system at the Merangin Medical Centre pharmacy is to perform transactions in real-time, and integrate all data effectively and efficiently so that business processes at the Merangin Medical Centre pharmacy can run better.

Keywords—*Information System, Implementation SAP, Accelerated SAP (ASAP), Inventory*