

## **ABSTRACT**

### ***DESIGN OF ENTERPRISE RESOURCE PLANNING SYSTEM (ERP) PROCESS POINT OF SALE BASED ODOO 8.0 IN RUMAH MAKAN ENTHOK REMPAH IMOGIRI WITH RAPID APPLICATION DEVELOPMENT METHOD (RAD)***

By

**MUHAMMAD FAISAL ABDA'U**

**1202144088**

*Enthok Rempah Imogiri Restaurant is one of the culinary business specializing in processed duck. Enthok Rempah Imogiri Restaurant has been established since 2015 and will open some branches in several places. Enthok Rempah Imogiri Restaurant has several problems related to sales process. Some problems that occur at this time is in making sales reports, software that is currently used has not been able to cover in detail sales reports, only the number of menus sold which data used as sales reports. As a result in making the overall sales report that includes the amount of raw materials run out, the amount of income and the amount of expenditure is still using the manual way. There are also problems in the form of data in the sales process not connected to other logistics process. For that required integration between sales business process with other logistics business process that is inventory process and purchasing process.*

*Therefore, the design of Enterprise Resource Planning System (ERP) to support the activities that occur in the sales process at Enthok Rempah Imogiri Restaurant so that it can be used to overcome the problems related to sales and integrate it with other logistics process. The software used in the design of Enterprise Resource Planning System (ERP) is the Odoo 8.0. Odoo is an open source ERP software, capable of customization according to the needs of related business processes and users of companies that implement Odoo, and has several modules that can be used in various business processes in the company. The module used to support the sales process is the Point of Sale Module (PoS). The Point of Sale Module (PoS) includes making a list of products for sale as well as making sessions capable of accommodating customer ordering and payment activities.*

*In this study, the authors do the design of Enterprise Resource Planning System (ERP) at the Enthok Rempah Imogiri Restaurant using Rapid Application Development Method (RAD). This method has advantages that can shorten the time and cost that is usually required in the traditional system development cycle between the design and implementation of an information system. The RAD Method consists several phases or stages, the initial phase will be analysing*

*ongoing business processes at Enthok Rempah Imogiri Restaurant which will be compared with the business process on Odoo associated with the Point of Sale Module (PoS). Through these comparisons the authors will design a business process proposal then carried out the system development with Odoo 8.0 in accordance with the needs of the company's business. Furthermore, the system has been developed will be tested using User Acceptance Test (UAT) by the user of this system in the company.*

*The result of this research is an Enterprise Resource Planning System (ERP) the Point of Sale Module (PoS) based on Odoo 8.0 using Rapid Application Development Method (RAD) and has been adapted to the needs of the company to be able to solve the problems that occur in the sales process at Enthok Rempah Imogiri Restaurant.*

*Keywords: Enterprise Resource Planning (ERP), Rapid Application Development (RAD), User Acceptance Test (UAT), Odoo, Point of Sale Module (PoS).*