

## **ABSTRACT**

# **ENTERPRISE RESOURCE PLANNING SYSTEM DESIGN PAYROLL MODULE BASED ON ODOO 8 WITH RAPID APPLICATION DEVELOPMENT METHODOLOGY IN PT. XYZ**

*By*

**GINANJAR DEWI GIRANG**

**NIM : 1106130040**

*PT. XYZ is a national company engaged in Manufacturing and Distribution of drinks. Established in 2004 and started production in 2005 with a product of tea (tea-based beverage products) that have glass and bottle packaging. Until 2016 PT. XYZ already has 550 employees divided according to the company needs. PT. XYZ requires a good Human Resource Management to improve performance of employee. One of factor to improve performance employee is from payroll. Payroll is the of obligations companies to spend to pay an employee who have been described in employee contract, and the payroll is given in a certain period. Payroll process in PT. XYZ is going for once of a month with a different salary of each employee according by salary structure and intensive. The component of payroll such as basic payroll, allowance, and deduction. In PT. XYZ payroll calculation is using by Ms. Excel, process in calculation sometimes has an error by human error who can make an incorrect component, incorrect the result, and a late salary distribution.*

*Enterprise Resource Planning is the one of solution for payroll processing problem at PT. XYZ. ERP system is a system that can provide solutions to control and integrated business process, with a centralized of data storage and the purposes is to has a real time for information flow. That will provide ease of company in manage the company's business process. By using ERP is allows the company to integrated with one of database that can to share data with one department to another department. ERP has 3 modules the name is Operation Module, Finance and Accounting Module and Human Resource Module. The Human Resource Module is a module that manages human resource including recruitment, employee data, employee appraisal, payroll, employee training and employee development. ERP software is supporting the process of system design. One of ERP software that can be used to support the payroll process is Odoo 8. Odoo is an open source ERP system, that can be to customized according to the needs of the user and the company that will implement odoo, and has several modules that support the company's business processes. Payroll Module is used to support of payroll business processes. The payroll module includes the salary rule, salary structure, salary calculation, and slip of salary for an employee.*

*A design ERP system for PT.XYZ is using by method Rapid Application Development which has an advantages such as time saving, and reduced cost during ongoing research. The RAD method has a 3 phases. The first phases is the requirement planning, the analysis and planning requirement are required for this phase. The second phase is RAD Design workshop, in this phases*

*is to start a design system according by requirement planning & requirement of company. And the last phase is implementation phase, In this phase the requirement planning and RAD Design Workshop is already the same with requirement of company, and the last activities is to migration data of PT. XYZ into the Odoo 8.0.*

*The purposes of design an ERP system for payroll process at PT. XYZ is to provide impact progress of company to support a payroll process with precise, fast and efficient according by a requirement of PT. XYZ and to have a detailing report for report payslip.*

*Keywords: Payroll, Enterprise Resource Planning, Odoo, Payroll Module, salary, Rapid Application Development.*