

ABSTRACT

ENTERPRISE RESOURCE PLANNING SYSTEM DESIGN EMPLOYEE MANAGEMENT AND TIME MANAGEMENT MODULE BASED ON ODOO 8 WITH RAPID APPLICATION DEVELOPMENT METHODOLOGY IN PT. XYZ

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Enterprise Resource Planning (ERP) is an information system that can integrate all departments and functions that exist in a company. Enterprise Resource Planning (ERP) can fulfill the needs of each department so that each department can know the existence of a problem that occurs within a company. Using the Enterprise Resource Planning (ERP) system can improve company performance by accelerate all processes and can bring benefits to the company. Based on the meaning of Enterprise Resource Planning (ERP) in this research will be done an analysis and design of Enterprise Resource Planning (ERP) system at PT. XYZ.

PT. XYZ is a national company in the manufacture and distribution of beverages. PT. XYZ manufactures various beverages based on tea and has a wide range of glass and bottle packaging as well as isotonic drinks. In PT.XYZ has several different status that is monthly employees and employees daily with the number of employees as many as 550 people. PT.XYZ has problems in the Personal Administration Department Human Resource Development that has not been connected between the data of the data collection with other data because the data contained in it has not been integrated, causing the error data received. The processing of the resume data has not been properly structured because of the accumulation of old employee data and new employee data. The stored data is not structured, which if there is a change in the data the employee must locate the file on the stack and contact the Human Resource Development Department to replace the data. In addition to the deficiency of biographical records, there are also problems encountered in the incorrect passage of work permits.

In the same case, the work permit application has many stages starting from the submission process until the confirmation by the supervisor. Often errors in the process

of submitting undocumented work permits. Based on existing problems at PT. XYZ, requires the existence of technology that can help the problem that is experiencing the Personnel Administration and Time Management at PT. XYZ. Enterprise Resource Planning (ERP) systems can assist in managing employee data and regular job registration. Therefore, if the Enterprise Resource Planning System (ERP) used on Department Human Resource Development can be help a company get information about itself. In this research will be used of ERP software which is open source that is Odoo.8.0.

Odoo is OpenERP software that has a complete design when compared with other OpenERP. Odoo is often to as a package of applications used in the business world. The advantage of odoo is that it can avoid redundancy of data to be entered in the system. The method used in this research is Rapid Application Development (RAD) method. Rapid Application Development (RAD) is one of the methods can used by information systems for development with a relatively short time. Rapid Application Development (RAD) is implemented if users want to develop the system. As explained in the problem which by the Human Resource Development Department of PT. XYZ. Rapid Application Development (RAD) method has requirements that are requirements planning, RAD design workshop and implementation. The advantage of using the Rapid Application Development (RAD) method is that development can be flexibly because the design process will be repeated at the same time according to the existing process at PT. XYZ.

With the implementation of the development of ERP concept in Human Resource module, Employee Directory based on Odoo 8.0 is expected to help can solve the problems in every business process in PT.XYZ.

Keywords: ERP, Odoo 8.0, Human Resource, Employee Directory, RAD