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ENTERPRISE RESOURCE PLANNING SYSTEM DESIGN OF PAYROLL MODULE USING ODOO APPLICATION WITH RAPID APPLICATION DEVELOPMENT IN PT.ARTDECO SEJAHTERA ABADI

By

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PT. Artdeco Sejahtera Abadi is a company providing labor support services with outsourced status and vehicle rental for the company PT. Bank Jabar Banten (Bank BJB) and several other companies that already have cooperation, in order these companies can focus on carrying out their main business processes. PT. Artdeco Sejahtera Abadi has several businesses and services namely Professional HR Management (Outsourcing), Office Operations Vehicle Rental, Building Management, and Travel Agencies.

In managing employee partners, several things to consider include personal data, abilities and a Payroll system. In the Payroll system there are several components that need to be adjusted to agreements, policies, and requests from client companies such as the basic salary, bonus, benefits, etc. The Payroll process is carried out once a month, by gathering attendance data from each company that is a client, then recapitating attendance data and putting it in Ms. Excel then calculates several salary components such as base salary, benefits, and total salary that will be received by work partners. After all is done, the data will be submitted to the Finance section and then the Finance section will provide the results to the Bank company that works with the client. With the number of employee partners there are not small and many Payroll components and adjustments with different client companies, therefore it requires a salary management process that is quite long and needs a level of accuracy in doing so.

In response to this, there needs to be a system to manage the Payroll system at PT. Artdeco Sejahtera Abadi is to design an Open source ERP system using the Odoo 12 Software Payroll module. With the problems faced by PT Artdeco Sejahtera Abadi, this system design aims to standardize the processes carried out in the Payroll process, because the system designed will play a role to manage employee Payroll data automatically and in real time, can be integrated and can adjust to the company's needs with client. The method used in designing this ERP system model is the Rapid Application Development research method. In testing process the system using User Acceptance Testing (UAT) functions as a system trial method that has been designed for users who will run the Payroll process.

Keywords*: Outsourcing,* ERP, *Open-source*, Odoo, *Payroll, Rapid Application Development*