

## **ABSTRACT**

*PT.PDU is a company engaged in trading distribution. The duty of PT.PDU is to distribute the finished goods of PT.Indofood Sukses Makmur Tbk. to the West Java region. With the higher number of production, storage of finished good is also increased. Based on this, there is problem in the warehouse such as recording the number of items aren't accurate. This resulted in the number of items that are recorded is not equal to the number of items that exist in the warehouse. In addition, there is a problem of communication with other division that lead to non-fulfillment of customer demand due to the unavailability of goods that exist in the warehouse. Based on the problems, warehouse PT.PDU need an ERP system that can record the number of items accurately in real time and can integrate the data with other divisions. With the integration, warehouse can take fast decision.*

*This study using open source application Odoo . Odoo is an ERP application that is dynamic and easy to make sdjustment according to the needs of PT.PDU. Warehouse management module on ODoo is used to solve problems that occurs in the warehouse of PT.PDU. Application development on this research is using ASAP (Accelerated) methodology. This method is used to design the ERP application of PT.PDU that include the design process through the implementation process. The development of this application aims to help the process at the PT.PDU warehouse and integrate data with sales and purchase division.*