

## ABSTRACT

ERP (Enterprise Resource Planning) is a concept to integrate a data, information and business process in one firm. The concept of ERP applied or implemented in a software because ERP is a core software used company to coordinate information on any area of business. ERP system was applied in PT. Progressio Indonesia, because there are any problems related to parts of purchase and integration between every part such as the errors in data collection purchase of goods, no record of raw in the purchase analysis reports, unorganized manufacture and documentation of a groove the process of purchasing until of goods received and sent to the warehouse.

In this research used a spiral methodology because the development can be used in any scale and easy to learn and to implement compared to other methods. In a spiral method there is any four step which is preparation, conception, realization and go live. A software used for the implementation ERP concept in this research is ODOO, which is open source so easy and cheap to be applied to small medium companies.

By using the spiral method step by step which will be done in research is by determining the formulation of problems, the determination of the purpose, analysis of business process now, analysis of business process odoo, analysis gap fit and risks. This analysis used for the adjustment of business process of the target with the companies condition. So as to produce problem solving where the part the purchase in order can be connected with the manufacture, sales, and the warehouse. On the purchase notes the purchase of suppliers can be monitored and is well documented and can produce report of accurate and real time.

Keywords: ERP, odoo, purchasing, make to order, spiral method