

## **ABSTRACT**

PT. Sampoerna Jaya Sentosa (PT. SJS) is a mid-level manufacturing company that focused on textile industries. To perform their activities, PT.SJS still adopted a semi-manual system, where almost all the existing business processes are still done using paper or paperbased to meet the information needs of every business process. It made frequent occurrence of mistakes on writing and its difficult to document every transaction. In purchasing activities, delays of the arrival goods from suppliers often occur in the process of purchasing in PT. SJS and cause to the production process becomes more less efficient.

Odoo is one of open source application ERP solution that provide purchasing activities in the form of purchase management module. With opensource character, customization and configuration can be adapted to the characteristics of the exsisting problems in PT. SJS. In this research, development of Odoo ERP system accomplished by using the ASAP methodology because it is more efficient with time and minimum cost incurred compared with other methods.

Development of ERP system purchase management done by analyzing current business processes and business process in Odoo ERP system. For further doing GAP and FIT analysis as a basis for making business process target that have been adapted to the system.

The results obtained from this research is Odoo ERP applications that can support the information needs of business process in PT. SJS so that every transaction made can be documented. Furthermore, the creation of purchasing reports to provide supplier evaluation report and create integration between the purchase division with a division that has been linked to the purchase division.

Keywords: ERP (Enterprise Resource Planning), Odoo, Purchase Management, ASAP Methodolog