

## **ABSTRACT**

ERP (Enterprise Resource Planning) is a concept that is applied to the integration in the overall business management through the viewpoint of effective use in resource management to improve enterprise efficiency. Odoo is one ERP application is open source so it can be adapted to business processes and corporate needs with ease. The module used in this study is the Quality Control module regulate activities of the activities undertaken by the Inspection section, starting from the receiving cloth, checks, up to the delivery.

PT. Tarumatex. Is a company engaged in textile fabric producing target market and abroad. PT. Tarumatex experiencing problems located in different data recording fabric between the warehouse with parts inspection, and the overall data accumulation. This is due to the lack of information system that can accommodate resolve any discrepancies in the data, and therefore the need for the development of Odoo for PT. Tarumatex. The method used in this study is a Rapid Application Development (RAD), where this method for designing software systems with a relatively short time and produce good quality.

With the ERP system based Odoo Quality Control are expected to be ready to help the business process, and solve the problems that occurred in the warehouse recording company PT. Tarumatex. Suggestions for further research is to conduct in-depth customization such as the addition of production barcode and data collection products.

**Keywords:** ERP, Odoo, module Quality Control, Rapid Application Development (RAD)