

## ABSTRACT

*In the era of digital transformation, Micro, Small, and Medium Enterprises (MSMEs) face significant challenges in managing their operations efficiently. One critical aspect is effective inventory management, which is often a major obstacle for MSMEs in their efforts to improve productivity and operational efficiency. This study aims to explore the process of customization and configuration of inventory management systems using open source Enterprise Resource Planning (ERP) software with the Quickstart method to support the transformation towards SMART MSMEs in the catering industry. The case study was conducted at Rizky Agung Katering, an MSME engaged in the catering service sector. This study uses a qualitative approach with a case study method. Data were obtained through in-depth interviews with the owner and staff, direct observation of the operational process, and analysis of relevant documents. The open source ERP system used in this study is Odoo, which is known to have high flexibility in customization that can be adjusted to business needs. The development of the Odoo system uses the quickstart method, this methodology can help the implementation process to be completed quickly and at an affordable cost for ERP implementation in the MSME sector. The ultimate goal of developing an ERP inventory management system at Rizky Agung Katering is to help record and print transaction data in real time, integrate all order, purchase, and production data effectively and efficiently, monitor raw materials that are prone to expiration and suppliers to obtain safe supplies when facing price fluctuations and soaring orders. As a reference for the success of the ERP system implementation, testing was carried out using the black box testing method..*

**Keywords—MSMEs, Inventory Management, ERP, Odoo, Quickstart Method**