ABSTRACT

SMEs Nature Beauty Coffee, often called Natbe Coffee, is an SME from Bandung that focuses on distributing Coffee beans which established in 2022. This SMEs startup aims to optimize the sales or marketing of Coffee beans in Alamendah Village, Rancabali District, Kabupaten Bandung West Java. At this time, efforts still need to be made to understand the digitization of the Production system. The understanding of digitalization will impact the problems that Natbe Coffee experiences. The issues are the less optimal handling of Production data, product availability in the warehouse, the display of Production status data, order status, and inventory status from raw materials to products that still make to order. In addition, an analysis of the quality of the selection of Coffee beans is critical because this affects the quality and taste of the Coffee beans, but Natbe Coffee still does it manually. For this reason, this research will conduct a design analysis using an Enterprise Resource Planning (ERP) system with a Production module consisting of Inventory and Manufacturing and a Quality Control Module in open-source software, namely Odoo. This integrated system will use the Accelerated SAP (ASAP) method, which has a structured approach to follow the research blueprint's design. The results of this study are the design of a business blueprint that consists of the results of the integration of the production process using the inventory and warehousing modules and the quality control module for selecting good quality coffee beans. The Odoo system will help Natbe Coffee, from the raw material supply system and product packaging to quality control. After that, a Focus Group Discussion (FGD) will be held with Natbe Coffee to evaluate the designed system. Odoo will also integrate this design with the Sales module to confirm the availability of goods to customers.

Keywords — SMEs, Enterprise Resource Planning (ERP), Open-source, Odoo, ASAP, Production, Quality Control