ABSTRACT

The current industrial conditions throughout the country have implemented a new chapter, one of whick is in the SME industry. SMEs have an image as a business segmentatiom consisting of approximately 150 people and most of their activities are still manual. In Indonesia, Industry 4.0 started at a significant digitpization stage in all industrial sectors, incluing small and medium enterprises. In this study, it is possible to impement an ERP system, but adopting an integrated system such as ERP still has the potential to fail, so careful and full preparation is needed, especially in the pre- implementation phase. Many considerations are required before assessing the technological preparation of an organization prior to implementing an ERP System. This allows SMEs to then determine the current state of the organization and serve as a benchmark before making a decision to implement an ERP systemin SME organization.

This study uses a readiness assessment model for system implementation, namely Enterprise Resource Planning using Blueseer software at PT Cahaya Rizki Keisya. Cahaya Rizki Keisya is an SME Company engaged in F&B Sector which focuses on making traditional foods and snacks which will be distributed to other companies. lueseer software is a free ERP tool that is used for small to medium sied business.These tools can support java anddatabase development to be able to perform data maintenance. In this study also used the production module with the ASAP research method aimed at the processes of production, sales distribution, warehouse procurement, financeintegrated with one another. This research produced a model in the form of a proposed blueprintmockup design that will be built and run by testing SMEs thatalready have the goal of implementing an ERP system.

Keywords - *Enterprise Resource Planning, SME, Assessment, Readiness, Implementation, Bluesser, ASAP*