ABSTRACT

Micro, Small and Medium Enterprises or MSMEs are activities that are favored by Indonesians to start their own businesses. The role of MSMEs also contributes to the Indonesian economy, besides that MSMEs can also create jobs to help themselves and others. Therefore, the number of growing small and medium-sized enterprises is increasing year by year. There are several things that need to be considered by MSME business owners, one of which is the management and reporting of good financial performance of the MSME business. There are still some problems in managing and recording reports, for example, financial reports that are not detailed or errors in report information due to human error, therefore, with the development of technology, the creation of financial reports that are still manual is starting to be considered ineffective and efficient, so that several solutions are created that can support the accounting process in these SMEs.

The solution to recording and implementing financial transactions for MSMEs is to design an ERP system, especially a smart MSME system using open source applications in the accounting process, the application is the ERPNext application, which is an open source ERP application that allows rapid development and is a free management software solution. The goal is for MSMEs to receive automated, structured, and real-time reporting of financial results. The research methodology in designing this ERP system uses the Sure Step method, to assist project management in developing an effective ERP design by optimizing time, people, quality, and other resources effectively. The results of the research conducted are the design of smart MSME applications that meet the requirements needed by MSMEs and appropriate forms for designing smart MSME application designs.

Keywords: Smart* UMKM, ERP *Open Source*, *Accounting*, *ERPNext*, *Sure Step Method*, *MSME smart aplication design