

ABSTRACT

DESIGN OF SMART SME BASED ERP SYSTEM DOLIBARR ON THE PRODUCTION PROCESS USING ACCELERATED SAP METHOD

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SMEs is a term that refers to the type of small businesses that make a large and crucial contribution to the Indonesian economy in a macro manner so that many people choose SMEs as their business fields and indirectly provide jobs for most Indonesians. The rapid development of SMEs, especially in the current technological era, certainly has a great impact on increasing competitiveness and is accompanied by failure caused by several factors. One of the basic factors experienced by SMEs is the hampering of the process of monitoring production activities, selection, production management, and limited stock. For that, the system that SMEs need is to create an ERP system design using open-source applications, namely Smart SMEs. The focus of this research is to apply the Production & Stock module contained in the Open Source / Dolibarr ERP. Production & stock modules by applying features of managing product and service catalogs, managing stocks and warehouses, managing raw material purchase orders and replenishing warehouse needs, bills of materials, and material resource planning. In this study, the authors used the Accelerated SAP (ASAP) method which was used as a reference in designing smart SMEs. The results of this research have been adapted to the needs of SME businesses and it is hoped that the design of this system can help in integrating and automating production processes, improve the quality of production, and become a standardization in SME production activities in Indonesia.

Keywords: SME, ERP Open Source, Production & Services Module, ASAP