ABSTRACT

The development of information systems is very important and has a big influence in meeting the needs and profit growth in the industrial world. SMEs as business actors need a strategy to innovate so that they are able to maintain their productivity and quality. Currently, SMEs can utilize information technology such as Enterprise Resource Planning (ERP) in carrying out their business processes. Many factors influence the failure of SMEs, one of which is in the production business process. Often experience production failures because there are no standard standards regarding the purchase of raw materials. For this reason, the right solution to overcome a poor production process is to design a Smart UKM system for production business processes with the open source ERP concept, namely Dolibarr using the Products Management module. With this design, SMEs can estimate the inventory of raw materials and monitor their quality according to business process standards, and the production process can be integrated and communication between parts becomes faster. In its design, the researcher uses the Accelerated SAP (ASAP) methodology, which refers to a well-defined development plan, documenting various phases efficiently, optimally in terms of time, cost and quality, conformity to needs, and utilization of existing resources.

Keywords: SMEs, Enterprise Resource Planning (ERP), Dolibarr, ASAP