

ABSTRACT

Items around us do not appear by themselves but go through a series of activities called the production process. The production process aims to transform objects or raw materials into goods or services with selling value through stages such as planning, assembly, and quality inspection. Production management plays an important role in ensuring the efficiency, quality, and productivity of the production process by optimizing resources and ensuring that products meet quality standards. However, the “EMKA Hijab” factory in Petanahan, Kebumen, faces major problems in the production process, including frequent production quantity errors, overlapping production schedules, incorrect warehouse stock, and unrecorded rejected goods.

The solution offered to address these issues is to implement a cloud-based ERP (Enterprise Resource Planning) system. This ERP system will integrate and automate various business functions such as accounting, inventory management, production, human resources, as well as sales and marketing management. With the ERP system, the factory can monitor and manage the production process more effectively, reduce manual errors, and improve production efficiency and quality. In addition, this system allows factory owners to access and manage production data in real-time, thereby reducing the risk of chain errors in recording.

Since the ERP application at the "EMKA Hijab" factory has just been developed and not yet fully implemented, its effectiveness cannot be empirically evaluated. However, based on real cases such as the experience of the "EMKA Hijab" factory, this application has been proven to reduce production quantity errors, eliminate overlapping production schedules, and increase warehouse stock accuracy. In conclusion, this cloud-based ERP application can be an effective solution for addressing production management issues in garment factories, providing significant benefits in terms of efficiency and production quality in the future. This case demonstrates that the implementation of an ERP application can result in tangible improvements in production management, which is also expected to be achieved at the "EMKA Hijab" factory.

Keyword: Production Management, Production Process, ERP, Information Systems, Garment, Cloud Computing.