Analysis of Inventory Control of Wheat Flour Raw Materials Using the EOQ Method at Bakpia Putri Ayu at Sumberbru District, Jember Regency
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ABSTRACT

Bakpia Putri Ayu has not implemented a properly calculated raw material inventory control system so it has not run optimally. The company carries out a raw material inventory control process based on previous product sales experience. Fluctuating product demand makes it difficult for companies to calculate the optimal need for wheat flour in one purchase. This study aims to analyze and identify the optimal amount of wheat flour raw material inventory, analyze and identify when to place an order again (ROP), and analyze and identify the total amount of wheat flour raw material inventory that must be issued by Bakpia Putri Ayu. This type of research is descriptive research with quantitative methods. The results of the analysis using the EOQ method in 2022 are the optimal number of orders of 627 Kg in one order with a purchase frequency of 20 times in one year with an order period of 18 days. Re-orders are made when the raw materials available in the warehouse are 178 Kg. The total cost of wheat flour raw material inventory that must be spent is Rp. 463,615.

Keywords : *Inventory Control, EOQ, Raw Material, ROP, Bakpia*