

Sistem Pendukung Keputusan Pemesanan Pakaian Di Toko Butik Barokah
Berdasarkan *Reorder Point* Menggunakan Metode *Weighted Product*
(A Decision Support System for Clothing Inventory Reordering at Butik Barokah
Using Reorder Point and Weighted Product Method)
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ABSTRACT

Inefficient inventory management can result in losses for retail stores, including stockouts and overstocking. Toko Butik Barokah has experienced such issues due to the absence of a system that determines the optimal timing and quantity for reordering products. This study aims to develop a web-based Decision Support System (DSS) to assist in inventory management decision-making. The system implements the Reorder Point (ROP) method to determine when to reorder; Safety Stock to calculate buffer inventory, and Economic Order Quantity (EOQ) to optimize order quantity. Additionally, the Weighted Product (WP) method is used to prioritize which products should be reordered based on criteria such as sales volume, profit margin, and product trend. The results indicate that the system provides structured and efficient reorder recommendations, supporting strategic decision-making in inventory control at Toko Butik Barokah.

Keywords: *Decision Support System, Reorder Point, Safety Stock, Economic Order Quantity, Weighted Product*