ANALISIS PENGENDALIAN PERSEDIAAN BAHAN BAKU SARUNG DI CV BASWATEX DENGAN MENGGUNAKAN METODE *ECONOMIC ORDER QUANTITY* (EOQ) UNTUK MENGOPTIMALKAN JUMLAH PERSEDIAAN

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ABSTRAK

Penelitian ini bertujuan untuk mengoptimalkan persediaan bahan baku benang jenis TR dan bahan baku benang jenis MESRES untuk 12 periode ke depan berupa usulan mengenai perencanaan dan pengendalian persediaan. Pendekatan penelitian menggunakan metode kuantitatif deskriptif. Pengumpulan data menggunakan teknik wawancara dan dokumentasi. Data tersebut dianalisis melalui pengumpulan data, validasi, pengolahan data, interpretasi data, dan penarikan kesimpulan. Penelitian ini dilakukan pengolahan data perencanaan mengunakan peramalan kuantitatif dan pengendalian persediaan menggunakan metode perusahaan, metode EOQ (*Economic Order Quantity*). Informan dalam penelitian ini adalah pihak pengadaan barang, penjualan dan persediaan gudang bahan.

Hasil penelitian menunjukkan bahwa jumlah perencanaan kebutuhan persediaan untuk 12 periode ke depan bahan baku benang jenis TR sebesar 4.005.038 unit dan bahan baku benang jenis MESRES sebesar 8.987.618 unit. Jumlah angka perencanaan tersebut diperoleh dari hasil perhitungan metode peramalan terbaik, yaitu metode *winter`s*. Kemudian jumlah perencanaan kebutuhan persediaan masing-masing bahan baku kemasan yang telah diperoleh dilakukan tahapan pengendalian persediaan dengan metode perusahaan, EOQ. Hasil dari perbandingan ketiga metode tersebut menunjukkan bahwa metode EOQ mampu menghasilkan total biaya persediaan yang minimum dibandingkan metode perusahaan. Dengan kata lain, metode EOQ (*Economic Order Quantity*) mampu melakukan efisiensi yang besar dalam mengoptimalkan persediaan bahan baku benang jenis TR dan bahan baku benang jenis MESRES untuk 12 periode ke depan.

Kata kunci: EOQ, Perencanaan dan Pengendalian Persediaan, Persediaan Bahan Baku.

ANALYSIS OF INVENTORY CONTROL OF RAW MATERIALS FOR SARUNG AT CV BASWATEX USING THE ECONOMIC ORDER QUANTITY (EOQ) METHOD TO OPTIMIZE THE AMOUNT OF INVENTORY

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ABSTRACT

This study aims to optimize the raw material inventory TR type yarn and MESRES type yarn for 12 periods into the future in the form of proposals regarding planning and inventory control. Research approach using the method of quantitative descriptive. The collection of data using interviews and documentation. Data were analyzed through data collection, validation, processing data, interpretation of the data and drawing conclusions. This research is done processing the data planning using quantitative forecasting and inventory control using the company's methods, the method EOQ (Economic Order Quantity). Informants in this research is the procurement of goods, sales and inventory of warehouse materials.

The results showed that the number of planning inventory needs for 12 periods into the future on the raw materials TR type yarn equal to 4.005.038 unit and on the MESRES type yarn of 8.987.618 unit. Number of planning were obtained from the results of the calculation method of forecasting that the winter's method. Then the number of the planning requirements for the inventory of each raw material packaging which has been obtained by stages of inventory control by method of the company, EOQ. The results of the comparison of the three methods shows that the EOQ method is able to produce the total inventory costs are minimum compared to the company's methods. In other words, the method EOQ (Economic Order Quantity) is able to perform a great efficiency in optimizing inventory of raw materials TR type yarn and MESRES type yarn for 12 periods into the future.

***Keywords**: EOQ, Inventory of Raw Materials, Inventory Planning and Control*