

ABSTRAK

Pengendalian persediaan menjadi satu masalah terpenting sebab kelancaran proses distribusi, efektivitas serta efisiensi perusahaan ditentukan oleh kesediaan produk atau total persediaan dengan tujuan memaksimalkan laba. Metode yang dipakai dalam mengendalikan persediaan diantaranya yakni metode EOQ atau dikenal dengan Economic Order Quantity, metode ini digunakan untuk penentuan total produk yang harus dipesan dengan meminimalkan dana persediaan (Irfan Fahmi, 2016:120). Penelitian ini bertujuan untuk mengetahui pengendalian persediaan yang dilakukan oleh PT Sarana Lintas Medika sebelum dan sesudah memakai metode EOQ, frekuensi pembelian jika PT Sarana Lintas Medika memutuskan menerapkan metode Economic Order Quantity (EOQ), total dana persediaan bila perusahaan memutuskan mengimplementasikan regulasi Economic Order Quantity (EOQ) dan batas minimal jumlah pesanan yang diperlukan oleh PT Sarana Lintas Medika saat masa tenggang.

Hasil perhitungan menunjukkan Produk HMEF 1000 total dana persediaan memakai metode EOQ sebanyak Rp 8.175.000 den. Mampu diketahui penghematan dana persediaan jika memakai metode EOQ merupakan sebanyak Rp 34.355.000 yang berarti efisiensi yang dihasilkan yakni sebanyak 81% per tahun. Perusahaan wajib menyuguhkan persediaan pengaman demi memperlancar distribusi sejumlah 252 pcs. Berdasar metode EOQ perusahaan juga wajib melaksanakan order produk dagang Kembali saat persediaan berada tingkat persediaan 375 pcs. Produk 3520 Swivel Elbow total dana persediaan memakai metode EOQ sebanyak Rp 3.681.500. Mampu diketahui penghematan dana persediaan jika memakai metode EOQ merupakan sebanyak Rp 8.771.500 yang berarti efisiensi yang dihasilkan yakni sebanyak 70% per tahun. Perusahaan wajib menyuguhkan persediaan pengaman demi memperlancar distribusi sejumlah 92 pcs. Berdasar metode EOQ perusahaan juga wajib melaksanakan order produk dagang Kembali saat persediaan berada tingkat persediaan 137 pcs. Produk 5048000 Swivel Elbow total dana persediaan memakai metode EOQ sebanyak Rp 11.035.500. Mampu diketahui penghematan dana persediaan jika memakai metode EOQ merupakan sebanyak Rp 8.390.250 yang berarti efisiensi yang dihasilkan yakni sebanyak 43% per tahun. Perusahaan wajib menyuguhkan persediaan pengaman demi memperlancar distribusi sejumlah 105 pcs. Berdasar metode EOQ perusahaan juga wajib melaksanakan order produk dagang kembali saat persediaan berada tingkat persediaan 156 pcs.

Kata kunci : Pengendalian Persediaan, EOQ, Safety Stock, Reorder Point.

ABSTRACT

Inventory control is one of the most important problems because the smooth distribution process, effectiveness and efficiency of the company is determined by the availability of products or total inventory with the aim of maximizing profit. The method used in controlling inventory includes the EOQ method or known as Economic Order Quantity, this method is used to determine the total product that must be ordered by minimizing inventory funds (Irfan Fahmi, 2016: 120). This study aims to determine the inventory control carried out by PT Sarana Lintas Medika before and after using the EOQ method, the frequency of purchases if PT Sarana Lintas Medika decides to apply the Economic Order Quantity (EOQ) method, the total inventory fund if the company decides to implement the Economic Order Quantity regulation (EOQ) and the minimum number of orders required by PT Sarana Lintas Medika during the grace period.

The results of the calculation show that the total HMEF 1000 product using the EOQ method is Rp. 8,175,000 den. It can be seen that the savings in inventory funds when using the EOQ method is Rp. 34,355,000, which means that the resulting efficiency is as much as 81% per year. The company is obliged to provide safety stock in order to facilitate the distribution of 252 pcs. Based on the EOQ method, the company is also required to place an order for merchandise returns when the inventory is at an inventory level of 375 pcs. Product 3520 Swivel Elbow total inventory funds using the EOQ method of Rp 3,681,500. It can be seen that the savings in inventory funds when using the EOQ method is Rp. 8,771,500, which means that the resulting efficiency is as much as 70% per year. The company is required to provide safety stock in order to facilitate the distribution of 92 pcs. Based on the EOQ method, the company is also required to place an order for merchandise returns when the inventory is at an inventory level of 137 pcs. Product 5048000 Swivel Elbow total inventory funds using the EOQ method of Rp 11,035,500. It can be seen that the savings in inventory funds when using the EOQ method is Rp. 8,390,250, which means that the resulting efficiency is as much as 43% per year. The company is obliged to provide safety stock in order to facilitate the distribution of 105 pcs. Based on the EOQ method, the company is also required to carry out orders for merchandise again when the inventory is at an inventory level of 156 pcs.

Keywords: Inventory Control, EOQ, Safety Stock, Reorder Point