

ABSTRACT

Raw Material Inventory Control Analysis Methods EOQ (Economic Order Quantity) At PT.Cheetham Garam Indonesia

Raw material inventory at each plant is very important company. Without the inventory, employers will be faced with the risk that the company at a time unable to meet customer demand. Inventory conducted, among others, to cope with demand uncertainty. The purpose of this research is to study the raw materials inventory control system that is applied by PT.CGI and determine the most optimal method of doing inventory control in the company. This study was designed as a descriptive case study analysis and the use of primary and secondary data. One analysis is the analysis of the data used. inventory which includes the calculation of the optimal inventory, safety stock, reorder point, waiting time, and inventory costs. Determination of the optimal method is done by applying the method of EOQ

Inventory control methods conducted by PT. Cheetham Garam Indonesia in minimizing the cost of inventory is called the EOQ method is done by minimizing the number of units and improve the ordering frequency ordering so that the cost of storage is greater than the cost of booking, and safety supplies 20% of the total consumption of each raw material costs led to the addition of storage large enough.

The method conducted by PT. Cheetham Garam Indonesia in conducting inventory control of raw materials has not been optimal. This is proven by the savings that can be made by the EOQ method. Optimal ordering frequency based methods EOQ is from 2010 to 2012 by 6 times for Tixosil, 1 time for Resfinegar, 5 times for Iodine. Optimal number of units is based on EOQ ordering is: In 2010: 908.78 liters / orders for Tixosil, 2210.39 liters / orders for Resfinegar, and 248.54 liters / orders for Iodine. In 2011: 928.84 liters / orders for Tixosil, 15975.3 liters / orders for Resfinegar, and 254.03 liters / orders for Iodine. In 2012: 947.6 liters / orders for Tixosil, 23049.5 liters / orders for Resfinegar, and 259.1 liters / orders for Iodine.

Key words: Inventory Control, Economic Order Quantity, Frequency booking, Safety Supplies.