

ABSTRACT

PT. Arka Footwear Indonesia is in manufacturing companies located in the shoe-making Cicalengka. These types of shoes are made consists of 2 kinds of footwear for export and local. Production activities are implemented by this company based on order (make-to-order).

In determining Sewing Department spare parts inventory policies, PT. Arka Footwear yet using standard calculations. The inventory policies taken by estimating the right amount for each purchase. Based on inventory and demand value, it can be obtained that demand value higher than inventory value, found that spare parts fall on shortages.

The purpose of this study is to determine the inventory policies using ADI-CV analysis and analysis ABC. Penelitian request on 42 SKU sewing spare parts department that has the character of lumpy demand pattern of demand and the Poisson distribution. Implementation of policies Periodic Review (R, s, S) and Periodic Review (R, S) on the inventory system is capable of producing a total cost lower inventory by pressing the number of bookings and ordering frequency. With inventory parameter calculation results Periodic Review (R, s, S) and Periodic Review (R, S), the total cost of inventory is able to be pressed by 32% lower with increased service level by 14%.

Keywords: *Supply Chain Management, Spare Parts Inventory Control, Periodic Review.*