ABSTRACT

PT XYZ is a manufacturing company located in Cimahi, West Java. Products sold are sub components for motorcycles with various types of sub-parts. The location of the storage of finished goods products is in one main warehouse.

So far, the products of sub-products in the warehouse of PT XYZ have not been properly managed, so that the goods stored exceed the warehouse capacity and total compensation. This causes too much hoarding to have an impact on the total cost of the cost. PT XYZ. Consumer demand on PT XYZ tends to fluctuate so that its sales are probabilistic.

This research is done by applying probabilistic method of Continuous review model (s, S) and Continuous review (s, Q) system ready to determine optimal suitable parameter. Can be able to minimize the total cost.The results of the probabilistic model of the Continuous review (s, S) and Continuous review (s, Q) models of this system can determine stock size, safety stock, optimal reorder point, and minimize total cost. The choice of Continuous Review (s, S) models gives the load. 42% and on continuous review (s, Q) provide an additional treatment cost of 47%.

Keywords: Inventory, ABC Analysis, Overstock, Continuous Review (s, S), Continuous Review (s, Q).