

ABSTRACT

PT XYZ is a company engaged in industry the footwear since 2011 located in Bandung. Models of sandals manufactured by PT XYZ targeting on young generation because his model-style casual and always modern. To maintain its sales PT XYZ at least issued a new product every two times in one year. Stock up on PT XYZ has not been well managed, on existing supplies Sandals product too exaggerated compared to demand so the stock end of the final month too much. This causes the existence of overstock and the cost of supplies too much.

To resolve the problem, then research it will classify the product using the ABC Analysis. After the product is classified, it will do the calculation inventory using continuous review (s, s) for category A and hybrid system for category B and C products that aims to determine the optimal parameters. So the total cost of production can be minimize.

The result of the calculation method of probabilistic continuous review (s, S) and hybrid system gained order quantity, reorder point and the amount of safety stock that the optimal safety and can manage the total cost of the inventory. On this research by using continuous review (s, s) provides savings of 66% compared to the existing conditions, and by using hybrid system provides savings of 83% as compared to the existing conditions.

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