

ABSTRACT

PT. ABC is one of the manufacturers producing textiles fabrics polyester in Cimahi, West Java area. PT. ABC serves the manufacture of fabrics for the purpose of export or import. There is a problem on the greige warehouse's PT. ABC, warehouse of greige is semi finished good PT. ABC that saves the greige fabric or fabric that has not been done dyeing. Problems occurred on the greige fabrics are the supplies warehouse over company policies resulting in overstock and swelling holding cost. To resolve problems that occur on the greige warehouse, required the solution of calculation in accordance with the conditions of the warehouse.

On this research will be used in the FOI method. After doing calculations with FOI method, it will be invalidated, the time interval of the reservation, the maximum expected inventory, and supplies a security proposal, after which it will be invalidated, the total cost of an optimal inventory.

The calculation result using FOI method is Rp 8.166.997.803, the cost of proposal which has been calculated is lower than the actual condition that is Rp 9.351.173.438. The ordering interval influences the FOI calculation, under the proposed condition of the proposed T so that the order interval does not take a long time.

In the aggregate cost savings proposals obtained amounted to 13% as compared to actual costs, the savings obtained from the results of calculations using the method of FOI.

Keyword : Inventory, Overstock, Fixed Order Interval.