

ABSTRACT

Every entrepreneur in the bakery sector are flocking to continue to develop innovations while maintaining the quality of their products to attract consumer interest. This is a challenge for bakery businesses, because some bakery products such as white bread and wet bread are classified as perishable goods. Roti Sawargi is a home production that focuses on the bakery industry located in Babakan Cisereuh Timur, Bandung. Just like other bakery businesses, Roti Sawargi has difficulty determining how many products to produce in order to meet market demand and can also optimize the amount of production so that supplies are not easily damaged and stale.

This research was conducted on products in group A using ABC analysis, then the product will be tested for distribution on product demand for group A. The data that has gone through the distribution test will proceed to the optimal inventory calculation process using the Periodic Review (R, s, S) approach. To know the inventory policy and total inventory cost. The final result of the inventory policy calculation will be analyzed using sensitivity analysis to determine the effect of changes in inventory parameters on the optimal solution.

The results of the study showed a decrease in total inventory costs by 22.65% with a decrease in ordering cost components by 13.64%, holding costs by 20.28%, expiration costs by 46.00%, and shortage costs by 36.11%.

Keyword : *Inventory Policy, ABC Analysis, Perishable Goods, Periodic Review.*