

SUMMARY

Inventory in the company is very important for smooth production, as well as the inventory provided by Jambi Minimarket Rack Shop. Jambi Minimarket Rack Stores as business actors in the manufacturing industry should implement good inventory management, this is because shelves that consist of iron and are also heavy have large storage costs and ordering costs. The Jambi Minimarket rack shop has a place to store its products, but the shelf shop has limited space for storing raw materials which is speculative or based on intuition and experience.

The problem to be solved in this research is to implement a raw material inventory control system, namely Economic Order Quantity (EOQ) by comparing it with the Period Order Quantity (POQ) method. Where the results obtained in this study, the Period Order Quantity (POQ) method is more efficient with the Minimum Order Amount and supply costs through the POQ model, obtained a minimum order for Double Rack 150cm starting leg 30-25cm as many as 42 units with a total cost of providing Rp.434.168.55. For Double Shelves 150cm adjoining 30-25cm as many as 77 units with a total cost of providing Rp 449,857.48. As for the 150cm End Shelf, the minimum order quantity is 46 units with a total supply cost of Rp. 273,400.46, and for the Economic Order Quantity (EOQ) method without stock out, the Minimum Order Amount and provider fees, the minimum order for Double Rack 150cm starting leg 30 is obtained. -25cm as many as 30 units with a total cost of providing Rp. 115,480,629.54. For Double Shelves 150cm adjoining 30-25cm as many as 45 units with a total cost of providing Rp. 218,127,783.94. As for the 150cm End Shelf, the minimum order quantity is 32 units with a total supply cost of IDR 78,616,043.28. Meanwhile, for orders using the Economic Order Quantity (EOQ) Buffer Reserve method, the minimum order for Double Rack 150cm starting leg 30-25cm is 31 units with a total cost of providing Rp. 115,477,224.7. For Double Shelves 150cm adjoining 30-25cm as many as 46 units with a total cost of providing Rp. 218.063,816. As for the 150cm End Shelf, the minimum order quantity is 32 units with a total supply cost of Rp. 78,627,383.28.

Keywords: Inventory, EOQ, POQ, Minimarket Shelf