

***Analysis of Inventory Control of Cassava Tape Materials Using the Economic Order Quantity (EOQ) Method UD.Sumber Madu in Jember Regency***

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**ABSTRAK**

*This research is a quantitative descriptive type of research with the aim of analyzing the comparison of cassava tape material inventory control systems using conventional company methods and the EOQ method. The results show that in 2022 UD.Sumber Madu purchases 8760 kg of raw materials with an order quantity of 46 kg and orders and orders 176 times a year and a total inventory cost of Rp. 1.135.954. Meanwhile, using the EOQ method, an order quantity of 247 kg is obtained with 33 orders a year. The safety stock that must be available is 59 kg by ordering again when the raw material is at the 89 kg point. The total cost of inventory incurred using the EOQ method is Rp. 209.656. This shows that the calculation using the EOQ method is more efficient, namely it can save inventory costs of Rp. 926.298. In 2023 Order quantity of of 46 kg and orders and orders 177 times a year and a total inventory cost of Rp. 1.145.108. Meanwhile, using the EOQ method, an order quantity of 248 kg is obtained with 33 orders a year. The safety stock that must be available is 64 kg by ordering again when the raw material is at the 94 kg point. The total cost of inventory incurred using the EOQ method is Rp. 210.822. This shows that the calculation using the EOQ method is more efficient, namely it can save inventory costs of Rp. 934.286.*

*Keywords: Cassava Tape, Inventory Control, EOQ, UD. Sumber Madu*