ABSTRACT

The main problem in procurement of goods at startup Affor Gadget is the irregularity of the inventory management process that is not optimal, as well as the mismatch between planning and execution. This results in risks such as overstock, stockouts, and inaccurate data recording. To overcome these problems, an inventory management method is implemented with the Economic Order Quantity (EOQ) and Reorder Point (ROP) approaches, combined with a Push and Pull system. The purpose of implementing this method is to increase the effectiveness of planning and distribution of goods, budget efficiency, improve record keeping, and make decisions based on actual data. Supplier selection and procurement strategies based on market demand are also key to building a supply chain that can adapt to sustainability. The implementation results show increased operational efficiency and a reduced risk of errors in inventory management. In one year, the company procured 105 units with a total profit of Rp20,240,000 with details from the beginning of 2024 to December 2024 obtaining 75 units with a profit of Rp9,640,000, and in three months in 2025, the company obtained 30 units of goods with a profit of Rp10,600,000. This shows that the Inventory Management method contributes greatly to procurement efficiency and increased profits. These findings prove that the Inventory Management method makes a significant contribution to procurement optimization and increased company profitability.

Keywords: Inventory Management, EOQ, ROP, Push and Pull, Operational Efficiency, Procurement of Goods, Affor Gadget.