

ABSTRACT

This research discusses inventory management at the Network Terminal Equipment (NTE) Warehouse of PT. Telkom Akses (PTTA) as part of efforts to improve service and ensure the availability of essential equipment such as modems, STBs, IP cameras, and WiFi routers. PT. Telkom Akses, a subsidiary of PT. Telkom Indonesia, plays a crucial role in supporting seamless information and communication access across Indonesia. The NTE warehouse in Dayeuhkolot, Bandung, serves as a distribution center for several warehouses in the Bandung area, including Ahmad Yani, Bandung Centrum, Cijaura, Gegerkalong, Kopo, Sumedang, and Ujung Berung. Currently, the NTE warehouse is facing an inventory crisis, resulting in insufficient stock to meet high demand. This research aims to analyze and identify the factors contributing to the inventory crisis at the NTE Warehouse of PT. Telkom, propose an optimal inventory model for NTE products at the PT. Telkom Akses Bandung warehouse, and provide strategic recommendations to address these issues. The research methodology includes historical data analysis, interviews with relevant personnel, and the application of inventory management models using the Periodic Review System (s, S) and Continuous Review System (R, s, S). These inventory calculations yield the order lot size, maximum storage level, reorder point, and safety stock. The calculations aim to achieve the minimum cost while obtaining the most optimal value. The resulting values are then compared to determine the most suitable method for addressing the company's issues. The study found that the continuous review method provides the most optimal inventory value, amounting to Rp. 176.602.496,81.

Keywords: *Inventory, Inventory Management, Periodic Review (R,s,S), Continuous Review (s,S)*