

ABSTRACT

EFFORT TO CONTROL STOCK OF DRUGS AND MEDICAL EQUIPMENT THROUGH MINIMUM MAXIMUM STOCK LEVEL PLANNING METHOD WITH SELECTED FORECASTING MODEL

(Study to Increase the Improvement of Turn Over Ratio Indicator in Surabaya Undaan Eye Hospital)

Intan Kusumawati

Achievement Turn Over Ratio (TOR) of drugs and medical equipment in the pharmacy services Surabaya Undaan Eye Hospital at 15.17 times per year has not reached the targets set in the policy director Surabaya Undaan Eye Hospital in the amount of ≥ 24 times per year, resulting in overstock hospital pharmacy warehouse. The general objective of this study was to determine the method of inventory planning the most efficient on the method of Maximum Minimum Stock Level with selected forecasting that generates the highest value of TOR and days of supply in the shortest Surabaya Undaan Eye Hospital. The study was conducted through the use of simulation research is carried out on a real inventory planning using the minimum maximum stock level forecasting with predictive elected. The data used in this study are secondary data consists of the data unit and data usage throughout the purchase of drugs and medical equipment in the unit Installation Logistics Eye Hospital Pharmacy Surabaya Undaan Eye Hospital during the month of January to August 2013. The results showed that (1) the results of the ABC analysis A category represents 80% (Rp 4.998.561.838) of the total value of the inventory and only 1% (71 items) of the total item, category B represent 15% (Rp 940.753.285) of the total value of the inventory and represented 14% (83 items) of the total items and category C represents 5% of the total inventory value (Rp 317.672.224) and represented 74% (457 items) of the total items. (2) The majority of drugs and medical equipment have a lead time of 2 days, the maximum specified stock is expected to generate 15 days as TOR twice per month, minimum stock determined 4 days (twice the lead time). Suggestions put forward are (1) ABC analysis continuously. (2) Performance of forecasting in planning the use of the selected forecasting. (3) Setting hardware and software as well as support facilities at the pharmacy so the pharmacy inventory distribution process runs smoothly.

Keywords: Turn Over Ratio, drugs, medical equipment, forecasting