

6380096620 : MAJOR LOGISTICS AND SUPPLY CHAIN MANAGEMENT

KEYWORDS : Forecast

ATHIMET CHAOSUTTISAK: SELECTION OF FORECAST TECHNICAL FOR PHARMACEUTICAL PRODUCTS

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This research on Selection Of Forecast Technical For Pharmaceutical Products Sample Company A, which is an importer and distributing pharmaceuticals and health products, is currently facing problems with short-lived products. Due to the quantity of orders being greater than the quantity that can be sold, these problems are caused by a lack of precision in merchandising planning and the reserve of medical supplies that exceed the actual needs. According to the preliminary study, the researcher has gathered information about the company's raw material inventory, case studies. it was found that in Part 1 , management of raw material inventory by ABC Classification method, Group A has a total of 12 products, with a shelf life of 1 year, with a 3-year average sales volume of 45,339 bottles and a 3-year average selling value of 47,673,060-baht, accounting for 34.27% out of all the product value.

In addition, in part 2, demand forecasting, from the calculations using 7 forecasting methods with 12 items, the researcher found that each item can use a different optimal forecasting method. For example, a forecasting method: DECOMPOSITION METHOD is the method with the least tolerance using MAD, MSE and MAPE values for items (1) ARIXTRA PFS 2.5MG./0.5 ML. 1X10 Also, forecasting method was the most suitable. Furthermore, in Part 3, Group A's lowest total inventory cost of the two models, found that the current model is 45,375,531 baht per year and the EOQ purchasing model is 33,545,039 baht per year. This is greater than the lowest total inventory cost in the EOQ model at 11,830,492 baht.

Field of Study: Logistics and Supply Chain Management Student Signature's.....

Academic Year: 2021 Advisor's Signature