ABSTRACT

Drug logistics is one of important aspects of health sector. This is important because drug logistics absorbed about 60-70% of the hospital fund allocation, so it requires special treatment to reduce the expenditure. The purpose of this study is to recommend the drug logistics management methods that suitable for application in Muhammadiyah Hospital of Surabaya.

Research conducted at pharmacy installation of Muhammadiyah Hospital of Surabaya used a cross sectional design with quantitative approach. The research was conducted using secondary data of drug receipts and disbursements from logistics warehouse, the real data of drug usage that based on the incomed prescriptions during April 2010. The dependent variable is the real data of drug usage. The independent variable is the report of receipts and disbursements of drugs in logistics warehouse, planning and control methods used, suitable planned and control methods, the determined methods of safety stock, and determined method of reorder point.

The results showed that in Muhammadiyah Hospital of Surabaya there has been no particular planning and inventory control methods used.

Recommendations that can be conclude is an appropriate planning methods for the most of 26 drug types of category A is the total moving average methods. While the appropriate methods for inventory control is Just in Time inventory systems. For appropriate determining of safety stock methods is demand of lead time percentage. The appropriate determining methods for reorder point is reorder point with safety stock for live saving drugs and reorder point without safety stock for non-live saving drugs.

Key words: planning methods, inventory control methods, safety stock, reorder point