ABSTRACT

The reports from July-December 2015 show that the stockout of generic drugs occur in Islamic Hospital of Surabaya with an average incidence of 56%, because there is no planning and inventory control methods are applied. The purpose of this research is to do the planning by using the least square method and inventory control using EOQ MMSL and so it can advise an effective and efficient method to be applied in Islamic Hospital Surabaya.

This research was conducted in Pharmacy Unit Islamic Hospital of Surabaya with cross-sectional design, using descriptive method with quantitative approach. Research was using secondary data of drugs consumption in January 2015-May 2016. The dependent variable is the real drug consumption data. The independent variable was the planning and inventory control methods used, and the recording and reporting of drug use.

The results showed that in Islamic Hospital of Surabaya there has been no method of planning and control of certain supplies used. Classification of generic drugs based on the analysis of the consumption levels result 28 types of drugs included in the category of fast moving. Inventory control with EOQ and MMSL method, obtained an effective method to apply in Islamic Hospital of Surabaya is a MMSL method.

Advice can be given the appropriate inventory control methods to be applied in the Islamic Hospital Surabaya for generic drugs is a method MMSL. Repair the management information system owned so that the data recording the use of drugs can be used for analysis of the planning and inventory control.

Keywords: analysis by consumption, least square method, MMSL, EOQ