ABSTRACT

Hospital is one unit of business activity that runs in the medical section. In every hospital providing the necessary drug when needed is the success factor in providing sevices to patients. In RSIA Mutiara Bunda *there is often shortage of drugs when needed that cause the increase of the shortage cost buecause they have to immediately do a replenishment.*

During the inventory control for the drug, RSIA Mutiara Bunda *has not classified the drug based on the drug value and criticality levels through a particular classification method and still placing an order with a fixed amount of quantities without considering the maximum and the remaining inventory in existing supplies. That is the reason why shortage often happen and cause the inventory total cost increased. Based on this case, the drug classification performed by using analysis of ABC-VED and calculating the optimum order interval and optimum order quantities with Q Model and Min-Max system.*

From this study, it can be concluded that the result of the classification with ABC-VED analysis, there are two groups of drugs. A group of drugs with first priority and second priority. By using the Q model calculations for the first priority, obtained 47% savings in inventory total cost from the actual condition and for the second priority, by using Min-Max system, obtained 37% of savings.

Keywords : ABC Analysis, VED Analysis, Model Q, Min-Max