

ABSTRACT

Determination of rate ammunition is ammunition for the calculation of an institution's willingness to support its activities in achieving the goal, so as to have effect or a direct effect on the success of the operation and training. Therefore, agencies must analyze modeling appropriate inventory to meet user demand to keep the right kind of number or time with optimum cost and must keep applying the supplies to be available in the warehouse inventory.

To determine the current level of inventory to be done with the "Justification Experts", as proposed by the user to perform exercises and operations. While the reality of the matter is currently very volatile due to the condition of the exercise is influenced by many factors including the amount of ammunition that is less, schedule of activities and some external factors such as political influence, economic influence and others.

The development of the model in this study is modeled using a linear program. Development of this model is to calculate in principle the use of ammunition to meet the service level by calculating safety stock. Calculations are based on the total cost savings to the use of munitions during the period of 1 (one) year as inputs. From the development of the model is then analyzed by a factor of the purchase price the cost of ammunition. By using the Microsoft Excel program should be easy enough ammunition optimal inventory model. Based on the results in Section Weapons Dislog Lanud Adisutjipto this model can provide a savings of 8.3% compared to the expert model of justification

Key word : ammunition, inventory, Weapons, safety stock, service level