ABSTRACT

PT Aerospace indonesia is one of the airline in asia versed in designed up, development, and manufacturing aircraft. The production of aircraft airbush helicopter ec-725 is one of establishment pt in being done under a cooperation agreement with one only as international partners, namely airbush helicopter. The material procurement needed to production process associate it very closely with the effectiveness of the of production process.

The condition of being inefficient often are planning system in raw materials supplies non metal (RMN) with the deteriorasi during my life, where there are footprint in terms of materials expired at the high are an indication that inventori material policy was right. And therefore it will investigation duty end to determine policy inventori optimal on a system of material that happent deterioration process for during life time based on information systems computerized management as the tools advocates decision.

Refrency Model used to research this is a model eoq weiss in 1982. This model used because an assumption that applies to model there are many kesesuain to situations real system, especially the characteristics research material object as perishable experienced deteriorasi process for life long. To improve conformity model, further investigated for refrensi model. Some of the development model is algorithms calculation footprint in terms of materials expired, the same time between reservations , an algorithm calculation reorder point. Recommendations inventory with a model proposal capable of producing the total cost of inventory of the total cost of Inventory actual is 46 % from € 356.376,39 be €193.672,09.

Keyword: Expired, Perishable item, EOQ Weiss, Non linear holding cost