CAN-ORDERING POLICY SYSTEM FOR SPARE PART INVENTORY CONTROL
CASE STUDY: PT. PJB UP GRESIK

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Abstract

PT PJB UP Gresik is one of the state power that is connected with the Java-Bali interconnection. The electricity supply to this system will remain stable if the steam power constantly operate and one of the important factors in order to remain in operation is the reliability of the production machine. Therefore, engine maintenance is very important to keep the availability of electricity supply. In doing maintenance of spare parts where necessary spare part is a supporting component of the main engine. Every time the machine is corrupt, the availability of spare parts is essential. The problems that occurred in the SPA that is done booking each spare part - where reservations were made every spare part inventories for each of the items had crossed the line so that the reorder point in making reservations entail large part.

Monte Carlo simulation is performed to describe the condition of inventories of spare parts and also as a parameter to do the modeling using the Can-orders, where in doing modeling viewed from availability spare parts and associated costs in this study. Models generated by Monte Carlo simulation is expected to design systems Can-Ordering supplies to be able to provide improvements to the problems that occur.

Keywords: spare part, Monte Carlo, Can-Order