ABSTRACT

ANALYSIS OF FUEL BOOSTER PUMP'S PT. MERPATI NUSANTARA AIRLINES AFTER REPAIRING OVERHAUL AND MAINTENANCE FOR AIRCRAFT TYPES TWIN OTTER.

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Issues to be studied are the various problems / troubleshooting on the objects contained in a system, the system discussed in this thesis is the fuel system which will be discussed in detail.

Research will focus on the repair of components in the booster pump, how the damage, how to overhaul and repair objects. These issues are very complex because the effect on performance of the pump in the fuel system.

The schedule that has been set, the action a major overhaul work carried out for 2 weeks (14 days), the action refers to the observation procedure in the form of questioning and analysis of damage to the Booster Pump. After 14 days, the Field Project Proposal submitted and component analysis and repair process was continued until a certain time; about 40 days. Supervising tentor room as well as controlling the object and work with students who are conducting the OJT form a team that will analyze the causes of troubleshooting, and overhaul-Repairing Booster Pump and its components. The research method refers to the analysis procedure that has been established based on assessments and literature.

Analysis team has been appointed by PT. Merpati Airlines do the whole analysis, such as performance and troubleshooting of components and cause damage to the Booster Pump. As the boundaries of research, the cause of the damage will be analyzed according to the capacity that is only analyze in detail the causes of troubleshooting, and overhaul-Repairing Booster Pump and its components, by following up the process of reassembling and maintenance items.

Key words: Problems and troubleshooting, Overhaul-Booster Pump Repairing, Maintenance, and Performance.