

## ABSTRACT

**Tulus Eka Samudera**, NIT. 50135042.T, 2018 “*Identification of Condensor Work on the Decrease of room Temperature of Foodstuff in Refrigerant Plant System in MV. Clipper Briliance*”. Program Diploma IV, Technical, Marchant Marine Polytechnic of Semarang, 1<sup>st</sup> Supervision: Drs. Darjono, M.Eng. and 2<sup>nd</sup> Supervision: Febria Surjaman, MT.

The cooling machine is a series of auxiliary machining machines capable of working to produce cold temperatures or temperatures. Refrigerator has 4 main components namely Compressor, Condenser, Expansion Valve, and Evaporator. Refrigerator itself has a very important role that is preserving food in order to survive longer.

The method used is SWOT method. Method for determining the priority of the existing problem. The problem formulation of this research is what factors lead to the slow condensation of freon on the condenser, an effort to facilitate the occurrence of condenser condensation of freon.

From the results of this study concluded that the cause of the slow condensation of freon on the condenser is the occurrence of sediment on the condenser pipes and the presence of air in the condenser. Efforts are made by cleaning the condenser pipes and remove the air in the condenser, and add freon to the installation.

**Keywords** : Refrigerator, Condenser, *SWOT*.

