

## **ABSTRACTION**

**Malik Ibrohim**, NIT.50134942T, 20017 " Analysis of sanitary pipe handling in MV.Lieke"Program By Way Welding Diploma IV, Teknika, Polytechnic Studies Semarang Cruise Counselor I. Edy Warsopurnomo., MM, M.Mar, E and Advisor II . Nita Setyaningsih, S.Pd.M.Hum

*Understanding welding is material and necessary tools in the welding process and the type - the type of welding that is often used on the vessel, in addition, the authors also discuss about the weld procedure when carried out onboard the vessel. Procedures such work includes three things: the procedure to work, the procedure using a substance or material (welding objects) as well as the environment.*

*Writers need data - data that is needed as well as the source - the source of material to support the thesis, the data is in the form of practical experience prala vessel MV. LIEKE, based on information sources from drivers and supporting data in the form of books - books on welding techniques.*

*Factors - factors influence the sanitary pipe welding and impact on safety on the vessel as well as the selection of the proper electrodes to obtain good welding quality and also discusses troubleshooting as well as the impact on the operational and safety on cruise ships.*

*The author will discuss about appropriate welding methods to support ship operations and contains conclusions and suggestions. In order to support the existence of ship safety, the ability of welding implementation shall be carried out properly in accordance with applicable procedures on board.*

**Keywords:** Welding, USG