

ABSTRACT

Firhand Alif, 2017, NIT: 50134749. N, “*of Optimization safety of crew and labor during loading and unloading activities using crane barge on MV. Pulau Nunukan*”, *Nautical Thesis, Diploma IV Program*, Semarang Merchant Marine Polytechnic, Material Adviser (I): Capt. Samsul Huda, M.M., M.Mar. and as Methodologi and Writing Adviser (II): Nur Rohmah, S.E., M.M.

Safety in work is a activity to create a safe working environment, preventing all forms of accidents. Being careful and not being careless in the act will make the other side feel no worries. In the loading and unloading activities using crane barge looks less secure the safety of crews and labor when during the loading and unloading. Many crew and labor who do not use safety helmet, warepack, safety shoes and gloves that cause incidents or accidents while working in the process of loading and unloading activities. this research aims to determine about safety equipment are adequate, to know how much knowledge of crew and labor about dafety worker at ship, and to find out about efforts for crew and labor can safe when during loading and unloading activities.

This is a descriptive qualitative research with describing detailed of Optimization safety of crew and labor during loading and unloading activities using crane barge. In determining the priority of the problem to be solved, the researcher used a method which is called by USG (Urgency, Seriousness, Growth) method by giving a scrore from 1 to 5.

Based on the observation and analysis of the authors concluded that safety equipment on MV. Pulau Nunukan is inadequate, and knowledge of crew and labor about safety regulation is still lacking. Efforts that can be used to improve the safety of lading and unloading with crane barge currently include an increase in work management, fitness and health control crew, job readiness checks and surveillance at work.

Key words: *Safety, crew, labor, loading and unloading, crane barge*