

ABSTRACT

Vicky Febrian, 2018, NIT: 51145200.N, “*Peran Nakhoda Dan Perwira Jaga Dalam Pengumpulan Data Terkait Pertimbangan Menghadapi Kecelakaan Di Boryeong Pada MV. Energy Prosperity*”, Program Nautical Department, Diploma IV, Semarang Merchant Marine Polytechnic, Material Supervisor (I): Capt. H. Agus Subardi, M.Mar., Methodology and Writing tutors (II): Nita Setiyaningsih, S.Pd, M.Hum.

Sea transportation seen as the most effective medium in order to answer high demands of such commodities in certain areas in the world. Global economic growth has an effect towards the demands of qualified human resources, and thus have to support distribution process whilst ensuring the safety and security factor. To ensure the distribution runs according to the plan, efforts should have been applied to make sure navigation done properly based on regulations. The existence of Master and Officer On Watch will become the supervisor in which able to detect any error that could lead to danger. Human error can be spotted clearly or remain hidden, this kind of situation will be compared to the ideal condition on board.

Human error is an obstacles that should be taken care of, and the solution will be to maximize the role Master and Officer On Watch in which optimizing bridge team coordination. Therefore, this research mainly discuss regarding error factor that could hamper bridge team coordination. The method used in this research is FTA (Fault Tree Analysis) and USG (Urgency, Seriousness, and Growth). The result of the research will serve datas that has been obtained through interview, observations while still carry out duty in sea project on board ship, even literature studies with related books.

The main obstacles faced on board ship was consist of Active Failures and Latent Failures, in which both factors could hamper the ship's operational in order to avoid danger. Latent Failures raise the chances of error to happened in the bridge team performance, thus makes the Active Failures more likely to happen also. Those both factors become the main obstacles that happened on board ship so that she reached a situation where danger can not be avoided. The importance of these factors, then this problem needs an immediate solution, therefore at the end of this thesis conclusion and suggestions provided.

Keywords: Human error, navigation, bridge team.