

ABSTRACT

Ferdian Hernawan, 2018, NIT: 50134873.N, “*Application of SSAS to Resolve Piracy On The Vessel MV. KT 02*”, thesis of Nautical Study Program, Diploma IV Progra, Politeknik Ilmu Pelayaran Semarang, Counselor I: Capt. I Kadek Laju, SH, MM, M.Mar, Counselor II: R.A.J Susilo Hadi Wibowo, S.IP, MM.

Piracy becomes one of the causes that the vessel can't sailing with care and safely, with thus thing Ship Security Alert System (SSAS) security system required that was a part of ISPS Code. Because of that SSAS need to be applied on the vessel to resolve piracy aboard and minimize terrorist act to a minimum.

In this research, learned the factors that was causing lack of understanding of SSAS aboard and studying the efforts that must be done for solving piracy by implementing SSAS.

Remembering the importance of SSAS, in this thing author uses qualitative method with analysis data method is fishbone diagram and fault tree analysis method. Where is fishbone diagram method use for identifying root of caused that was happened, while fault tree analysis use for looking efforts that must be done about problems that was happened.

The results shows the factors that caused SSAS less understood is lack of socialization, rare drill, drill isn't appropriate with procedure and lack of knowledge about SSAS. And result from this research indicate that efforts must be done is routinely held safety meeting, controlling, routine held drill and also make a manual book to be learned by all crew.

By implementing these efforts is expected application of SSAS can be move accordance with the procedure at *ISPS Code* and security on the vessel can be more guarded until sailing activities can be moved with smooth and no harm to people and company be concerned.

Keywords: application of SSAS, piracy.