ABSTRACT

Thersian Pudyanata, 2017, NIT: 50135101K, *"Effect of Clinker on the smooth process spillage ship docked in the harbor Indonesia Semen Tuban" thesis of Port and Shipping Departement, Diploma Program IV, Merchant Marine Polytechnic of Semarang, Advisor I:* Sri Murdiwati, Sos., M.Si., *Advisor II*: Capt. H. Agus Subardi, M.Mar.

In the cement production activities required raw materials to produce a cement that is Clinker. Apabla Clinker supply shortage will be imported from Thang Long Vietnam which is also a company under holding company PT. Cement Indonesia. In bringing cement raw materials or can be called Clinker with needs that are not few, it requires sea transport modes by using bulk vessel yan will be dismantled in Indonesia Semen Tuban Special harbor. Demolition of raw material of cement or Clinker is done by PT. Varia Usaha Bahari. In dismantling operations the dismantling is less appropriate so Clinker spills onto the dock and partially falls into the sea. Clinkers that fall into the sea cause the docking of the docks to disrupt the process of docking on the dock.

In this resaercher use qualitative methods and the results of this study written descriptively, in this paper there are descriptions from resource and documentation. Data collection techniques used are primary data collection and secondary data. The process of collecting data through approach to the object under study using observation, interview, and literature study. Researchers also use direct and indirect observation conducted at PT. Varia Usaha Bahari Tuban.

Factors that become problems in the smooth process of the ship docked in the harbor of Semen Indonesia Tuban is dismantling Clinker is not perfect so Clinker spilled into the waters of the docks. Factors that cause Clinker spilled onto the dock, among others, kuangnya advanced equipment in carrying out the demolition, as well as the lack of maintenance on the equipment used mainly at the time of demolition. After Clinker spilled into the waters of the dock, the water area around the dock into shallow and sadandar process will be hampered and the ship could not be docked to the edge of the pier perfectly, and with their Clinker spilling onto the dock water polluting sea water. Therefore, PT. Varia Usaha Bahari made several attempts to solve the problem by standardizing the demolition tool and performing routine checking of equipment as well as the effort of the port management to do dredging on the pier.

***Keywords**: Clinker, Demolition, Dock.*