

ABSTRACTION

Wardono, 51145138.N, 2018, "*Emergency surveillance at the time of movement enters a narrow cruise line of the Kapuas river at MT. Anggraini Excellent with the method of fishbone analysis and fault tree analysis*", Diploma IV Program, Nautika, Polytechnic of Semarang Sailing Scout, Counselor I: Drs. Vega Vonsula A, S.st., S.Pd., M. Hum and Supervisor II: Poernomo Dwi Atmojo, S.H., M.H

Emergency surveillance at the time the movement enters a narrow sailing velocity is urgently needed for alertness and extensive knowledge to address the dangers that would threaten the safety of *crews*, ships and cargo. On this basis the authors searched for a solution how the implementation of emergency surveillance enters the narrow servant flow in the MT vessel. Anggraini Excellent with problem formulation including what factors affect the emergency when the movement enters a narrow cruise line and how to cope with an emergency when entering a narrow cruise path if the *main engine* suddenly died.

The method used in this research is the method of *fishbone analysis* and *fault tree analysis*. The method of *fishbone analysis* is used to determine the causes of emergency when the movement enters a narrow cruise path that the observer and *fault tree analysis* method used as a technique to identify the risks that contribute to the occurrence of failure, this method is done with a *top down* approach, which begins with the assumption of failure or loss of a *top event* and then breaks down the causes of a *top event* up to a *root failure*.

Based on the results of research conducted by the author during practice screen in MT. Excellent Anggraini regarding emergency surveillance when movement enters a narrow shipping lane of problems that include fusions that affect emergencies and the *main engines* suddenly die during motion execution. The way in which to cope with these factors requires the readiness and extensive knowledge of officers and *crew*, especially on duty officers as officers responsible for watches must be firm in their decisions and give orders, especially in order to prepare or operate certain tools and to perform certain actions. In dealing with the *main engine* suddenly die caused by the equipment or the clogging of fuel filters on the *main engine* officers should be alert in detecting the damage as well as extensive knowledge to overcome it. Periodic maintenance and checking in accordance with existing procedures and testing on the equipment to ensure the state of the machine in top condition so that when the machine is operating there is no obstacle or damage.

Keywords: Supervision, emergency, movement, dead *main engine*, *fishbone analysis*, *fault tree analysis*