ABSTRACT

Work accident is one problem for the survival of a company. Losses suffered not just a material loss but the emergence of casualties. Loss of human resources is a loss for the company because it takes time to find or train human resources according to company standards. Throughout the year 2009 the Ministry of Manpower recorded 54.398 cases of occupational accidents in Indonesia. Problems frequently encountered in the field is how to improve the safety behavior of workers, so workers have the awareness to the surrounding environment and self. Shipbuilding industry has a high risk in the production process, so that every worker is required to use Personal Protective Equipment (PPE) at the time of doing the job, it is also associated with behavior that is owned by the worker, the workers perform unsafe behavior against the background of low awareness of the worker against Personal use of Personal Protective Equipment (PPE). This study implements a method Root Cause Analysis (RCA) in unsafe behavior problems in workers, and workers know the causes of unsafe acts at work. Having found the problem sought the root cause (root cause) that have been identified through a population of events that can be used to target a broader improvement opportunities expected outcome of this research is to suppress the occurrence of work accidents caused by unsafe behavior of workers in doing their jobs by
providing an alternative repair improvement of the Safety and Health Management System (SMK3).

Keywords: Safety and Occupational Health, Behavior Based Safety, Unsafe Behavior and Management System, Occupational Health and Safety