Efforts to Prevent Work Accidents When Loading And Unloading At KMP. Portlink

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Abstract

Safety is a program made to the workers as well as employers attempt to prevent accidents by means of recognizing things that could potentially cause accidents as well as anticipatory action in case of accidents. The goal is to create a safe workplace so it can hit the lowest possible risk of accident. Formulated the problem in this research is a work accident prevention efforts while unloading at the MV.Portlink. The research was carried out during the period of sea practices 9 months on the ship where the author undertakes the work practices of the sea. The theory used in this research is the theory- theory, human resources management with regard to safety. The method carried out intensively, researchers participating in the long field. This type of research is qualitative, descriptive. Method of data collection is done by observation, interviews and literature study. Methods of data analysis used the assortment (triangulation), and continuously until it is saturated. From the results of this research should be known throughout a worker follows the safety training work done by the company and penggunaan self protective tools should be an obligation for workers at the port so that all workers can avoid a fatal accident due to work.

Key words: loading and discharge, work accident

1. Introduction

KMP ships. Portlink is one of the crossing ships with a track in the Port of Merak-Bakauheni with a distance of 15 nautical miles. The track can be reached in a travel time of 1 (one) hour with an average speed of 15 knots. Merak-Bakauheni pass is one of the passes in the sunda Strait that connects Java and Sumatra islands. The main motivation in implementing Occupational Safety is to prevent occupational accidents caused by their work to see the causes and impacts they cause. Therefore, it is necessary to conduct a risk assessment of the workforce. In the initial process of risk assessment is to identify the hazards and who and what will be affected, especially the crew at high risk of accidents at work when arranging loading and unloading on board. In the world of work, work
accidents usually occur due to two causes, namely due to unsafe acts (unsafe act) and unsafe conditions (unsafe condition). Unsafe actions are triggered by the behavior of workers consciously and independently, while unsafe conditions are generally due to systems that are not available or beyond the control of the workers themselves. For example, when there are workers who are not provided with PPE while they are in high-risk areas, this includes unsafe conditions. However, if personal protective equipment (PPE) has been provided and the employee refuses to wear it, this includes unsafe acts. Field practice instead we will find a combination of actions and unsafe conditions. This is the cause of the accident.

During the practice of marine work (PRALA) the authors found that the application of Occupational Safety at the time of loading and unloading in KMP. Portlink is less than optimal as the event experienced by the duty officer on December 25, 2021 when the loading and unloading ship at the Merak executive dock had a work accident on board at the bow of the car deck. At that time, the duty officer was directing the vehicle that would enter the ship, at that time there was a spill of water from the vehicle that entered the ship so that the duty officer slipped and his left leg was run over by a tronton car. In addition, on March 10, 2021, the position of the ship was anchored in the north of Pulau merak besar and all crew members carried out daily routine ship maintenance work at that time one of the crew members who did not use safety shoes so that when working his feet slipped to fall on the stairs and resulted in the crew having a broken leg. This is very dangerous for the safety and security of both service users and ship operators on board. Therefore, safety aspects need to be pursued so that the crew can work safely, comfortably and safely. This is the background of the author to conduct research with the title “efforts to prevent work accidents when loading and unloading at KMP. PORTLINK”.

2. Research Methodology

The type of research used in this study is descriptive qualitative. Descriptive analysis is a statistic used to analyze data by describing the data that has been collected as is without intending to make conclusions that apply to the general or generalization by using sentences, making it more informative and easy to understand (Sugiyono, 2004).

While the data used in this study is the primary data in the form of observation/field observations, interviews with relevant agencies and conduct investigations to the crew and captain of the ship, for secondary data taken from the literature and some studies that have been done before related to safety issues.

3. Results and Discussion

Presentation Of Data

Interviews are conducted to obtain information orally so that the data obtained is wider and deeper. Information obtained from the interview. Interviews were conducted with mualim III conducted on board the KMP.Port Link. An interview conducted on January 22, 2022 regarding attempts to work accidents in the loading and unloading process on board. Based on the results of interviews with mualim III, things that must be applied to prevent work accidents on the crew is to comply with regulations during loading and unloading activities in accordance with SOP and the use of safety equipment that must be used such as safety shoes, masks and romp. Crew on board the ship lack of focus or neglect of obligations at the time of loading and unloading will result in
work accidents that are not expected to occur. The presentation of data is also done by observation and has an observation relationship is done by observing all the symptoms that appear directly based on existing facts. Observation results in KMP.Portlink was found to lack the crew’s knowledge of safety procedures.

**Data Analysis**

Based on the results of observations on October 05, 2021 to July 05, 2022, the author made observations on the KMP ship. Portlink that the crew’s lack of knowledge regarding safety procedures. Which resulted in a work accident in the process of loading and unloading on board.

Based on the results of interviews with mualim III, The Crew must remain focused on doing tasks during the loading and unloading process by complying with existing rules, such as using existing protective equipment (PPE). Negligence will be able to result in great losses both for the crew, ship and company as well as society in general.

![Figure 1. Payload at KMP.Portlink](image)

The following is a documentation in the form of images about the condition of the vehicle load on the KMP ship. Portlink

**Discussion**

Based on the results of interviews and field observations at KMP Portlink. there have been work accidents on the crew due to lack of knowledge of the crew regarding safety procedures and negligence of the crew in using personal protective equipment (PPE) when working. Interviews were conducted to collect information and data using interviews with KMP crew.Portlink. related to the application of safety at the time of loading and unloading on the ship where the authors carry out the practice of sailing.

In this observation, the author has conducted a search from existing sources directly and has collected information that is in accordance with the actual circumstances in the field. Interview with existing resource persons, namely the crew at KMP.Portlink is related to the application of safety at the time of loading and unloading where the authors carry out sailing practices. In this observation the importance of the use of personal protective equipment (PPE) can avoid
the danger of work accidents. As a supporter of the importance of the implementation of Occupational Safety and the use of personal protective equipment (PPE) to prevent accidents, it can be seen from the results of the above research states that work accidents are caused by lack of discipline and negligence owned by the crew that knowledge and awareness of the importance of the use of personal protective equipment (PPE) for safety. The results of the study are relevant to the research conducted by the author that the application of Occupational Safety when loading and unloading on the ship must understand and obey the safety of work on the ship.

Prevention efforts that can be done by the crew to avoid accidents at work during loading and unloading is to comply with existing rules such as using personal protective equipment to prevent accidents. (Personal protective equipment) PPE is used as a last resort to protect workers while doing work so that there are no work accidents to avoid work accidents the presence of personal protective equipment that needs to be on board.

To prevent accidents at work are as follows:
1. Clothing worn is a type of boiler suit, this material protects workers thoroughly from hand to foot against harmful materials such as oil, chemical liquids, sparks during the welding process and others.
2. Safety Helmet as the main protective equipment of the head while working on the ship.
   Helmets can protect the head from falling material or when falling. Safety helmets generally have a strap on the chin that can be adjusted in size to the user.
3. Safety shoes are used as foot protection when walking in the ship area.
   Especially when in the engine room which is usually slippery and hot. Wearing safety shoes protects the user's feet from things that can be dangerous.
4. Hand Safety or glove-shaped hand protection. Kinds and functions in accordance with the needs of the ship for example gloves to protect from hot objects.

4. Closing
   a. Conclusions
   In this study it can be concluded that each type of work performed on the ship has a risk of accidents, therefore the authors draw the following conclusions:
   1) Application of work safety when loading and unloading at KMP.Portlink has not complied with the procedures due to the negligence of the crew in using personal protective equipment (PPE)
   2) Efforts to prevent work accidents that must be done by the crew in order to avoid accidents at the time of loading and unloading is to comply with existing rules such as using personal protective equipment (PPE) in order to prevent accidents. Personal protective equipment (PPE) is used as a last resort to protect the workforce when doing work so that there are no unwanted work accidents.

   b. Suggestion
   1) Preferably for the entire crew is always given socialization about the importance of the use of personal protective equipment (PPE) while working. It is better to carry out intensive supervision by the officers on board the crew's work process so that they always comply with the established regulations and provide sanctions to those who violate them so that the crew can get used to always using personal protective
equipment (PPE) while working.

2) Safety meetings should be routinely held on board at least once a month, especially if there are new crew members on board so that the crew can know the importance of using personal protective equipment (PPE) to prevent work accidents.

5. References


