



Analysis Of Inhibition Of Fertilizer Unloading Process Bulk Urea In MV.Abusamah At The Pier Tanjung Wangi Banyuwangi

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Abstract

The delay in the process of unloading bulk urea is a problem that often occurs at PT. Pupuk Indonesia Logistik, especially in MV. Abusamah is one of the ships owned by PT. Pupuk Indonesia Logistik. In the activity of unloading bulk urea fertilizer at the Tanjung Wangi pier, Banyuwangi MV.Abusamah often experiences delays, this can cause losses for the company. This research purpose to determine the factors causing the delay in the process of unloading bulk urea fertilizer and the efforts made to prevent it.

The research method used is descriptive qualitative research method. Sources of research data taken from primary data and secondary data. Data collection techniques by observation, interviews and literature study. From the results of the study, there are several factors that affect the delay in the process of unloading urea in MV.Abusamah at the Tanjung Wangi pier, Banyuwangi and several efforts that have been made by the company in overcoming these problems.

The conclusion is implementation of the process of unloading urea fertilizer at the Tanjung Wangi pier in Banyuwangi by MV.Abusamah is often hampered because it is influenced by several factors, namely inadequate unloading equipment, weather factors, namely rain, and limited capacity land conveyor. Efforts were made to delay the unloading of bulk urea fertilizer by increasing the number of transportation facilities, namely trucks which are one of the supporting tools in unloading activities, sending updated weather forecast news from BMKG to the DPA/HSSE department, and adding storage warehouse capacity.

Keywords: Unloading process,bulk urea fertilizer,wharf

1. Introduction

As a provider of transportation facilities shipping companies have an important role in providing sea transportation facilities used for transportation activities by sea using a fleet of ships, to be able to maintain the role of shipping companies, the government should provide support for all shipping companies in Indonesia to be able to increase the role of shipping companies in providing shipping services and sea transportation facilities. One of the shipping companies in Indonesia that provides transportation means of shipping by sea is PT. Pupuk Indonesia Logistics.

One of the ships owned by PT. Pupuk Indonesia Logistics experiencing obstacles in the process of unloading bulk urea fertilizer is MV.Abusamah. This ship is a ship owned by PT. Pupuk Indonesia Logistics used to transport bulk urea fertilizer to areas that have high fertilizer demand. One of the areas that have the highest demand for fertilizer is Banyuwangi, especially for fertilizer urea, so the company moves MV. Abusamah to transport urea fertilizer from Palembang to Banyuwangi, because this ship has a large carrying capacity so it is expected to



reduce operational costs of the ship.

At the time of carrying out the demolition process at the pier Cape Wangi Banyuwangi ship is still often encountered such obstacles in the process. During the researchers carried out marine practices within 9 months in the Department of Ship Management there is a report from the ship that MV. Abusamah often encountered obstacles that can be seen from the Time Sheet and minutes sent by the captain of the MV. Abusamah recorded the process of unloading bulk urea fertilizer in MV. Abusamah experience obstacles as much as 6 (six) times in a period of 6 the moon. This obstacle does not only occur in MV. Abusamah but also on ships owned by PT. Pupuk Indonesia other logistics that transports bulk urea fertilizer loads. The company should be able to overcome or at least reduce obstacles in the unloading process so as not to cause an impact that can harm the company. Shipping companies in Indonesia should always given special attention by the government in this country because it has an important role in providing transportation facilities.

The fleet is a means of transportation that can be used to move from one port to another or an area to another area by sea or river both goods and people. Fleet of ships can be selected as one means of transportation transportation of goods movement because it has advantages compared to other means of transport.

This means of Transportation also has advantages in the transportation process because it is very practical and efficient, with a large enough carrying capacity to make the operational costs of the means of transportation can be reduced and produce the smallest possible cost, so many urea fertilizer distributors using sea transportation services because urea fertilizer is also one of the factors that can affect the results of agricultural production in this country. Based on the above background, the researchers made KKW with the title "Analysis Of The Inhibition Of The Process Of Unloading Bulk Urea Fertilizer In MV. Abusamah In Tanjung Wangi Pier Banyuwangi".

2. Research Methodology

Data collection methods using the following methods :

a. Observation

The author conducted a direct observation for 9 months on the ship to the subject of research and the subject to be observed, including observation of the condition of the ship either construction, operating methods, maintenance methods, as well as problems or damage that often occurs and how the handling is done in case of damage.

Observation is a technique that is very commonly used in qualitative research, research-based observation techniques in the world Research scene has long been dominated by observation by relying on the sense of hearing (auditive) which until now is still inferior and minimal done. This we can find in the field record when depending on what we see visually, either by eyes of researchers and the eye of the camera as a tool in observe. Ichsana & Ali (2020).

The purpose of observation is to understand the state of the object that is used as a topic in this case the factors and causes of the charge. Thoroughly and directly to provide compatibility between the information obtained in the actual situation.

b. Interview

Interview is a process of interaction and communication, in this process the results of the interview are determined by several factors that interact and affect the flow of information. These factors are the interviewer, the respondent, and the research topic contained in the list of Interview Questions and situations. With the data collection method carried out



directly with the parties concerned, data collection is carried out directly to the head of the engine room (ship officer) who is responsible for the damage that occurs on the ship, conduct interviews during free time by discussing.

The main purpose of the interview, namely :

- 1) Collection of data and information directly about an object.
- 2) Interview is one of the methods of collecting data from sources about an object in the interview will be collected data and answers from
- 3) Speakers directly, which is the subject of an issue regarding the writing of applied scientific papers, because by conducting interviews will get an accurate data and real data
- 4) Interviews are also used to collect data from the head of the engine room, as a source because the head of the engine room that handles the problems of all the machines on board.

3. Results and Discussion

a. Result

- 1) Factors inhibiting the process of unloading urea fertilizer in MV.Abusamah at Tanjung Wangi Pier Banyuwangi

According to Fakhurozi (2017: 10), the definition of loading and unloading is a transfer of cargo in the hold or deck (deck) on a ship with unloading equipment on the ship to the port dock or into the warehouse. According to Afriani (2017), loading and unloading activities are commonly referred to as Stevedoring activities. Stevedoring is a service to unload from or to ships, docks, trucks and vice versa with use a derrick or ship crane.

Based on the above understanding, the unloading process is the process of transferring cargo from the ship to the dock into stevedoring activities. Thus the process of loading and unloading at the port is the process of transferring cargo from the ship to the dock using toolsunload either the unloading tool on the ship or the unloading tool ashore.

Every company certainly always expects that the ship owned can always carry out the unloading process on time. However, in the process of unloading bulk urea fertilizer on MV.Abusamah in Tanjung Wangi Pier Banyuwangi still often occur obstacles. Based on the results of interviews conducted by researchers with Ship department manager Management and warehouse staff obtained information that hinders the process of unloading bulk urea fertilizer in MV.Abusamah because of the factors that influence.

Factors affecting the inhibition of bulk fertilizer unloading process in MV.Abusamah, among others, is less than the maximum work of land conveyors. Land conveyors have a very small rate to deliver fertilizer into the urea fertilizer storage warehouse. The second factor is the weather properties of urea fertilizer that is easily soluble and easily binds with water (hygroscopic) resulting in bulk urea load can not be dismantled if the weather is rainy, because if the unloading process remains dilaksanakan and urea fertilizer exposed to rainwater then it can damage the urea fertilizer. The third factor is the unloading tool on KM.Abusamah that often happens trouble. Starting from the electric short, unloading with one Scrapper, tearing the Conveyor Belt. Because of these problems often occur ineffectiveness of unloading



which causes unloading with a long time and less than the maximum supply of fertilizer throughout Indonesia.

2) Efforts to overcome the obstacles to the process of unloading bulk urea fertilizer in MV.Abusamah at Tanjung Wangi Pier Banyuwangi.

Based on the observations of researchers when implementing land practices at PT. Pupuk Indonesia Logistics and documentation activities obtained the results that the company has made efforts to overcome the losses incurred due to delays in the process of unloading bulk urea fertilizer on MV.Abusamah at Tanjung Wangi Pier made PT. Pupuk Indonesia Logistik makes various efforts to overcome this problem, namely by repairing land conveyors in order to increase the lancher rate forwarded to the storage warehouse in order to expedite distribution to banyuwangi and surrounding areas, rejuvenation of unloading equipment on ships so as not to hamper the unloading process, delivery of updated weather news by the department of DPA/HSSE to all ships owned by PT. Pupuk Indonesia Logistics so that when carrying out bulk urea unloading process activities can be estimated.

The data from this study were obtained from observations, documentation and in-depth interviews conducted by researchers when carrying out marine practices on MV ships.Abusamah PT. Pupuk Indonesia Logistics. The results of all the information the researchers got by conducting interviews with marketing department staff, Ship Management department managers. Based on observations made by the authors of the results of observations and interviews regarding the delay in the process of unloading bulk urea fertilizer in MV.Abusamah in Tanjung wangi pier in Banyuwangi it contains about the factors that lead to inhibition of bulk urea unloading process in MV.Abusamah and efforts to address the problem.

b. Discussion

From the observation and documentation conducted by researchers at the company and a visit to the Tanjung Wangi warehouse, the company has made efforts to overcome the problem of inhibition of the unloading process on the MV.Abusamah at Tanjung Wangi Pier Banyuwangi. Here are the efforts made by PT. Pupuk Indonesia Logistics:

Table 1. Factors and Efforts made by the Company

No.	Factor	Efforts
1	Loading and unloading tools	Rejuvenating unloading tools
2	Weather	Delivery of weather news by department DPA / HSSE to all ships owned by PT. Pupuk Indonesia Logistics
3	Land conveyors	Improve conveyor belt and conveyor roller

1) Loading and unloading tool factor

In overcoming the delay in the process of unloading bulk urea fertilizer caused by factors loading and unloading bulk urea fertilizer the company has made efforts to rejuvenate the loading and unloading equipment used to support loading or unloading activities at Tanjung Wangi Pier Banyuwangi. Tools that need to be rejuvenated include wire, roller block, Drum Scrapper Machine, & Elmot Bucket. When all the tools unloading does not occur trouble and electrical short will not



occur delay unloading. The cause of unloading tools often experience problems, namely due to age and lack of care.



Figure 1. Wire out block repair

2) Weather factors

To overcome the delay that is affected by weather factors, namely rain, the company has taken into account the operational time of unloading in accordance with weather conditions. For each week the HSSE/DPA department always sends weather forecast and sea wave forecast information updated from the Meteorology, Climatology and Geophysics agency (BMKG) which is expected to be used as a benchmark in calculating unloading operational time in accordance with weather conditions and to set the schedule for unloading urea fertilizer so that during the unloading process can be adjusted to the weather conditions that occur in the destination port area.



Figure 2. Weather Forecast Banyuwangi

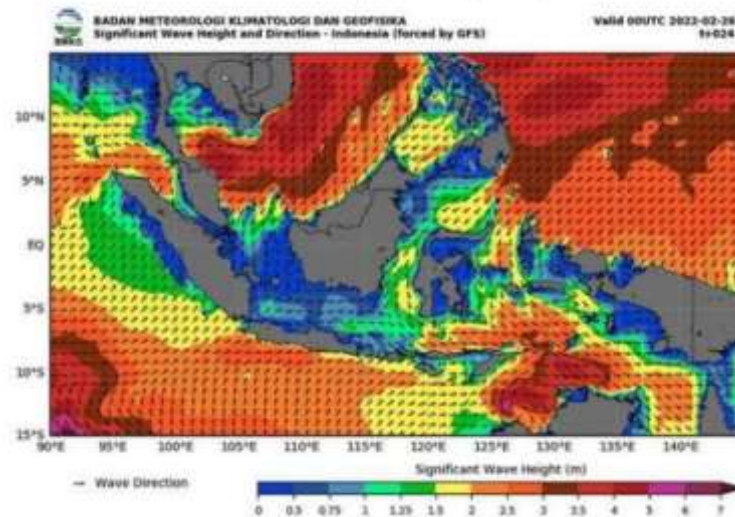


Figure 3. Sea Wave Forecast

3) Ground Conveyor Factor

In overcoming keterlamabatan unloading process of bulk urea fertilizer caused by not the maximum performance of the land conveyor which is the conductor of fertilizer from the jetty to the warehouse at the pier Tanjung Wangi Banyuwangi, PT. Pupuk Indonesia Logistik is making efforts to improve the conveyor machine. It is expected that the process of unloading urea fertilizer at Tanjung Wangi Pier has no obstacles and the creation of an effective and efficient unloading process. In addition to making improvements to the conveyor machine at Tanjung Wangi Pier Banyuwangi PT. Pupuk Indonesia Logistik also always coordinates the company's operational staff with warehouse staff in arranging unloading schedules at Tanjungwangi dock by adjusting the warehouse capacity whether it can be loaded again or not.

4. Closing

a. Conclusions

- 1) Factors affecting the inhibition of urea fertilizer unloading process on MV.Abusamah in Tanjung Wangi Pier Banyuwangi:
 - a) Loading and unloading tool that is Scrapper that often occurs because of less trouble rejuvenation.
 - b) The weather is rainy which makes the process of unloading urea fertilizer must be stopped due to the nature of urea fertilizer that can not be exposed to water.
 - c) Ground Konveyor small load rate can not be maximized forward fertilizer to the barn.
- 2) Efforts that have been made by the company to prevent obstruction of the process unloading bulk urea fertilizer on MV.Abusamah
 - a) Repair and rejuvenation of unloading equipment on ships
 - b) Delivery of weekly weather news by the DPA/HSSE Department updated from the Meteorology, Climatology and Geophysics Agency.
 - c) As well as repairing land conveyors in storage warehouses the Tanjung Wangi Pier Banyuwangi



b. Suggestions

Based on some of the above conclusions, the author gives advice as follows:

- 1) Based on factors that affect the inhibition of the unloading process urea fertilizer
 - a) It is recommended that the company cooperate with UPP. Pusri Tanjung Wangi and local contractors to repair land conveyors.
 - b) Recommended for companies to coordinate with staff warehouse in arranging the scheduling of the unloading process on the MV.Abusamah adapted to the weather conditions in the dock area.
 - c) Recommended for companies to be able to cooperate with the ship docking company in order to maximize improvements and rejuvenation of the ship unloading device when the ship is docking.
- 2) Related to the efforts that have been done by the company to overcome inhibition of the process of unloading urea fertilizer I can give advice that is:
 - a) Optimize unloading by not forcing unloading tools on the MV.Abusamah to avoid trouble.
 - b) Optimize the performance of the Department Designated person Ashore / Health Safety Security Environmental in delivering weather news weekly.
 - c) Establish communication with staff gudang to always monitor the state of the ground conveyor in order to avoid damage.

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