Sterilization and Traffic Management of The Ferry Port of Kalabahi

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Abstract

The Ferry Port of Kalabahi is a port managed by Service Unit of Transportation Center Business (BPTD) Region XIII Province of East Tenggara Timur. At this time in The Ferry Port Of Kalabahi there is no facility counters, counters available today still located outside the port area where it is out of the zoning system should be, the pickup can enter the dock area and wait on moveable bridges and catwalks, home moveable bridge that has not been sterile because there are still people who are not authorized to be in front of the moveable bridge. In addition, there is no orderly traffic in the Port of Kalabahi Ferries due to a meeting between the vehicle that will go to the dock with the introduction of two-wheelers / pickup that will come out of the harbor.

To analyze this based orientation on Minister Of Transportation Regulation Number PM 29 of 2016 on Sterilization Port Of Ferries and Director-General Land Transportation Regulation Number: SK.242 / HK.104 / DRJD / 2010 on Technical Guidelines for Management of Traffic Ferries. The analysis used is the analysis of the zone system, traffic pattern analysis, and analysis equipment requirements and the number of support personnel sterilization and traffic management in the The Ferry Port of Kalabahi

In order to ease the flow of traffic load both of which will enter the port area and the cargo to be out of the port area is to set back lanes of vehicles that will enter the dock area and vehicle introduction / pickup that will come out of the port area in addition to assign officers to manage traffic to run more orderly. Adding a user signs, weighbridge, Tollgate, road markings, safety officers in order to become a regular port.

Keywords: Zone; Traffic; Vehicle; Passenger.

1. Introduction

East Nusa Tenggara is an island province, where ferries transportation a milestone in terms of transporting passengers and goods in large quantities. Alor regency themselves have ferry ports, such as Kalabahi Ferry Port where the port is managed directly by Service Unit of Transportation Center Business (BPTD) Region XIII Province of East Tenggara Timur. As a government agency that provides public services to the community, it is expected that agency is able to function by providing excellent service to the service user.

The Ferry Port Of Kalabahi still don’t sterilization and traffic management are good at these ports because the counter is outside the area of the port where it is not in accordance with Minister of Transportation Regulation Number 29 of 2016 on Sterilization Port Of Ferries other than that it would harm service users who wanted to buy a ticket , there are many service

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users who do not have a ticket to get into the ship either the reason for dropping off or pick up their families, introduction or pickup also waiting on moveable bridges and catwalks it could pose a risk of introduction or the pickup crashed into the sea, in addition, many hawkers who sell at the entrance of the pier in the area should be sterile because the line is used for embarkation and disembarkation.

This happens because of the lack of appropriate zoning system Minister Of Transportation Regulation Number 29 of 2016 on Sterilization Port Of Ferries, and traffic management in accordance with Director-General Land Transportation Regulation Number SK.242 / HK.104 / DRJD / 2010 on Technical Guidelines for Management of Traffic Ferries, every ferry ports are required to pay more attention to zoning of the area, layout, and traffic control in both the passenger ferry ports, as well as vehicles. Regularity and smoothness of movement of the cargo at a port of a port indicates successful performance in managing and processing of port operations to be better in providing services to the community.

2. RESEARCH METHODOLOGY
Research method produces primer data and secondary data. The methods used are as follows:

a. Survey Daily Productivity
Calculating port productivity per day, the survey was conducted for 15 days, where the location taken by the surveyor port operates twice a week so that the survey was conducted starting on 17 April - May 31 2019.

b. Methods of Observation
In this method, surveyors observe the conditions by using the five senses because in this method surveyors review, monitor, and directly observe field conditions. This method is very simple but the required accuracy to carefully observe objects within a certain period and do taking direct documentation about the condition of the port.

c. Method Literature (Literature)
By studying the theory and literature and lecture modules in the library Palembang serta SDP Transport Polytechnic basics of law relating to the issues to be investigated as a theoretical basis to analyze and solve problems.

d. Institutional Methods
Done by collecting data from agencies associated with this research. Secondary data were obtained from several agencies, such as:
(1) Service Unit of Transportation Center Business (BPTD) Region XIII Province of East Tenggara Timur
(2) Provincial Transport Department of East Nusa Tenggara
(3) Central Statistic Department, East Nusa Tenggara
(4) ASDP Indonesia Ferries (Persero) Company Branch Kupang
(5) Flobamor company
3. RESULTS AND DISCUSSION

In conducting the research, problem solving Sterilization and Traffic Management in the Ferry Port Of Kalabahi The analysis will be undertaken as follows:

a. Analysis of the zone system

1) Existing condition

At this time counters are located in the Ferry Port Of Kalabahi placement is still not good, because the counter is outside the port area, and there is still the pickup waiting on moveable bridges and catwalks, which should be the area should be sterile, it raises the risk of people falling to the sea at the Ferry Port Of Kalabahi means incompatible with Minister Of Transportation Regulation Number 29 of 2016 About Sterilization Port Of Ferries.

![Picture 1](Existing condition Ferry Port Of Kalabahi)
b. Analysis of traffic system
From the picture above can be seen that the two-wheeled vehicle that is about to come out of the pickup introduction of the port area is often met with a vehicle that will go to the dock for the unloading process it makes the irregular pattern of the flow of traffic in the The Ferry Port Of Kalabahi.

**Picture 4**

*Being Planned Traffic Patterns And Vehicle Passengers Boarded The Ship Using Moveable Bridge*

1) **Traffic patterns that are planned for passengers and vehicles boarded the ship using a moveable bridge**
   a) **Passenger**
      (1) All passengers and the introduction or enter through the gate of the pickup and drop off passengers at the parking lot shuttle vehicle / pick-up games in the last stop towards the counter near the reception area while the shuttle vehicle / pick-up is placed in the parking area of introduction / pickup (zone A1)
      (2) Passengers (ticketed) to the waiting area (zone A2)
      (3) Passengers to the ship, first leave the waiting room and headed to the gangway plan which is next to the waiting room, ticket checks will be performed here (zone A3)
      (4) Passengers enter the vessel through the side door of the ship
   b) **Vehicle**
      (1) All types of vehicles entered through the main gate to the port of Tollgate (zone B1)
      (2) Vehicle entry to the park ready for loading in accordance with the port operator instructions (zone B2)
      (3) All vehicles entered into the queue of vehicles ready to enter the ship as instructed port operators and ship operators (Zone B3)
(4) Vehicle entered the ship through the dock moveable bridge (MB) regularly as instructed by port operators and ship operators (zone C)

2) Traffic patterns that are planned for passengers and vehicles aboard using the Plengsengan pier

a) Passenger
   (1) All passengers and the introduction or enter through the gate of the pickup and drop off passengers at the parking lot shuttle vehicle / pick-up games in the last stop towards the counter near the reception area while the shuttle vehicle / pick-up is placed in the parking area of introduction / pickup (zone A1)
   (2) Passengers (ticketed) to the waiting area (zone A2)
   (3) Passengers to the ship, first leave the waiting room and headed to the gangway plan which is next to the waiting room, ticket checks will be performed here (zone A3)
   (4) Passengers enter the vessel through the side door of the ship

b) Vehicle
   (1) All types of vehicles entered through the main gate to the port of Tollgate (zone B1)
   (2) Vehicle entry to the park ready for loading in accordance with the port operator instructions (zone B2)
   (3) All vehicles entered into the queue of vehicles ready to enter the ship as instructed port operators and ship operators (Zone B3)
   (4) Vehicle entered the ship through the dock regularly as instructed Plengsengan with port operators and ship operators (zone C)
3) **Traffic patterns that are planned for passengers and vehicles off the ship using moveable bridge pier**

   a) **Passenger**
      1. All the passengers got off the ship into the passenger special lines (gangway) through the side door of the ship to the bus stop
      2. After arriving at the stop passengers toward the parking lot for passengers who picked up a personal vehicle, for passengers who picked up the bus at the stop just please wait
      3. All passengers were either picked and pedestrians out of the port (zone A1)

   b) **Vehicle**
      1. All types of vehicles exit through the boat ramp and dock (zone C) towards the exit port
      2. All vehicles out through the exit port
Traffic patterns are planned for passengers and vehicles off the ship using moveable bridge pier

a) Passenger
   (1) All the passengers got off the ship into the passenger special lines (gangway) through the side door of the ship to the bus stop
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b) Vehicle
   (1) All types of vehicles exit through the boat ramp and dock (zone C) towards the exit port
   (2) All vehicles out through the exit port
   (3) equipment needs and personnel to support sterilization and traffic management at the The Ferry Port Of Kalabahi

At the The Ferry Port Of Kalabahi need for equipment and personnel to support sterilization and traffic management for the smooth and orderly port. Need for signs, road markings, personnel, etc. Here is the layout for the plan of laying signs and support personnel as sterilization and traffic management in the The Ferry Port Of Kalabahi:
NO | ZONE | AMENITIES | EXISTING | PLAN |
--- | --- | --- | --- | --- |
1 | A1 | Counters, parking delivery vehicles and pick-up | Counters are not located in the port area | Counters are in the harbor, separated between the passenger and vehicle counters |
### Troubleshooting

Based on the analysis that has been obtained, the troubleshooting recommended are:

1. **Manufacture and laying counters passengers and vehicles in the port area.**
2. **Procurement weighbridge and Tollgate in zones B1 in the zone in order to comply in accordance with Minister of Transportation Regulation Number 29 of 2016 on sterilization Port Of Ferries.**
3. **The transfer of delivery vehicles and pickup parked close to the passenger counter plan.**
4) Making the sidewalks and pedestrian zebra Ferries for passengers to make it easier for passengers to get to the counter.
5) Regulate traffic flow of passengers and vehicles that will go into the ship and when they are going out of the ship.
6) Procurement signs in each zone to support sterilization and traffic management in the The Ferry Port Of Kalabahi.
7) In order for the sterilization and traffic management is running safely, orderly and smoothly be provided socialization and information to the public about the zone area and traffic management that are used for passengers and vehicles at the The Ferry Port Of Kalabahi accordance with Minister Of Transportation Regulation Number 29 of 2016 about Sterilization Port Of Ferries and Director-General Land Transportation Regulation Number 242 in 2010 about the management of traffic ferries.

4. Closing

a. Conclusion
1) Yet the implementation of sterilization with good views from many of the pickup that can get into the area of the pier and waited on moveable bridges and catwalks, in addition to the layout of the facility such as counters are not in the harbor area either counter or counter passenger vehicles.
2) Less irregular pattern of vehicular traffic in the The Ferry Port Of Kalabahi where the introduction of two-wheelers / escorts who want to get out of the parking area to the exit port met with the vehicles coming into the dock area.
3) The lack of supporting facilities, sterilization and traffic management in the Port Ferries signs Kalabahi such facilities.

b. Recommendation
1) Sterilization hold for passengers and vehicles by dividing the zone and perform procurement and laying facility in accordance with Minister Of Transportation Regulation Number 29 of 2016 About Sterilization port of ferries. Holding of dissemination and provision of information to service users and the public about the sterilization ferry port of Kalabahi the harbor area for the creation of a safe, comfortable, orderly, and orderly.
2) To create a convenient traffic, orderly, organized and smoothly at the the ferry port of Kalabahi then there is the removal of the parking lot two wheels for the introduction and the pickup were moved closer to the counter passenger plans and traffic patterns specialized delivery vehicles pick-up in separated lanes her with vehicle exit or enter the dock area. Additionally placed some personnel in each zone of the region, which is responsible for supervision and regulation of the traffic of passengers and vehicles at the The ferry port of Kalabahi
3) To expedite cargo traffic both in passengers and vehicles coming and departing, as well as delivery vehicles / pick-up at the the ferry port of Kalabahi, signs need to be given instructions and restrictions on the places that is easily seen and read. And the need for provision of port facilities such as weighbridge, Tollgate, and road markings.
5. REFERENCES


[7] Minister Of Transportation Regulation Number 29 of 2016 on Sterilization Port of Ferries.

