THE IMPLEMENTATION OF STERILIZATION AND TRAFFIC MANAGEMENT OF PASSENGERS AND VEHICLES AT AIR PUTIH FERRY PORT BENGKALIS REGENCY OF RIAU PROVINCE

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Abstract
The Air Putih Ferry Port is one of the ports in Bengkalis Regency, Riau Province which serves the Air Putih – Sungai Selari route. The Air Putih Ferry Port is very important to support economic development in Bengkalis Regency. The port for carrying out crossing transportation activities is expected to provide safe, orderly, and smooth services. Currently, the sterilization and management of passenger and vehicle traffic have not been implemented properly. At the Air Putih Ferry Port itself, passengers and vehicles buy tickets at the same counter. The delivery person/pick up is free to enter the pier. In addition, there is also a crossing at the entrance to the ferry port. The method used to analyze the existing problems in the analysis of sterilization at the Air Putih Ferry Port, analysis of traffic management, and analysis of facilities that can support the application of sterilization and management of passenger and vehicle traffic at the Air Putih Ferry Port. Based on this analysis, it can be concluded that the sterilization of the ferry port has not been implemented so that the management of passenger and vehicle traffic has not been orderly and orderly. In addition, the supporting facilities for sterilization and management of passenger and vehicle traffic at the Air Putih Ferry Port are considered still not optimal in their use. To create an orderly and safe ferry port, what can be done is to implement the sterilization of the ferry port and the management of passenger and vehicle traffic at the Air Putih Ferry Port and to support the sterilization and management of passenger and vehicle traffic, it is necessary to optimize supporting facilities such as signs, markers, as well as officers who play a role in the security and order of the ferry port.

Keywords: sterilization, traffic management, passenger, vehicle, Air Putih Port

1. Introduction
Ferry transport is one mode of transportation for traffic that the relationship between places cannot be reached by land transportation. Crossing transportation has a very important role as a support for the movement of passengers and goods. Traffic management is an activity that includes planning, implementing, monitoring and controlling traffic crossings and tracks. Therefore, good traffic management can certainly trigger good implementation as well.

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Bengkalis Regency is one of the districts located in Riau Province, Indonesia. Its territory covers the eastern part of Sumatra Island and the archipelago, with an area of 8,403.28 km². The capital of this regency is in the city of Bengkalis precisely located on Bengkalis Island which is separate from Sumatra Island. Nevertheless, for the administrative center of Bengkalis Regency is on Bengkalis Island itself.

There are several ports that can be used in Bengkalis, one of which is the Air Putih Ferry Port with the Air Putih – Sungai Selari track.

Air Putih Ferry Port is also one of the ports that become an important trajectory in economic development on Bengkalis Island. Because there are still many primary and secondary needs that are still imported from Dumai City and Pekanbaru City. The travel time needed for ± 45 minutes to cross to the Sungai Selari Ferry Port which is a Bengkalis region but is located on the island of Sumatra with a distance of 5 miles.

Transportation services used at the Air Putih Ferry Port are motor crossing boats. The port also has 2 (two) movable bridge piers in the hope of providing safe, orderly, and orderly service. But traffic management at the Air Putih Ferry Port is currently not regular both on vehicles and passengers in and out of the ferry port. There are still many people who are not interested in being able to enter the ferry port area freely without paying for the ferry port entrance. The delivery/pick-up also delivers or picks up passengers directly to the dock. Not optimally setting this traffic flow pattern affects vehicles that will enter or exit the ship when the ship performs loading and unloading activities. In addition, at the Air Putih Ferry Port also experienced a crossing when vehicles in and out of the ferry port because it only has 1 (one) lane. Crossing also occurs between 2-wheeled vehicles (two) that will queue at the counter with vehicles that will exit the ferry port area.

The lack of supervision of officers on the sterilization of the Air Putih Ferry Port is also the reason for the implementation of sterilization in an orderly manner. Traffic management also has not been able to be implemented properly due to the implementation of good sterilization of ferry ports. To realize the safety, security, order, and smooth transportation of crossings, it is necessary to implement policies in accordance with the Regulation of the Minister of Transportation of the Republic of Indonesia Number 29 of 2016 on Sterilization of Ferry Ports. In addition, it also needs good traffic management so that safe, comfortable, orderly and orderly transportation destinations can be achieved.

The purpose of this research is to (1) know the application of sterilization of ferry ports at the Air Putih Ferry Port in accordance with Peraturan Menteri Perhubungan No. 29 Tahun 2016 tentang Sterilisasi Pelabuhan Penyeberangan (2) Regulating passenger and vehicle traffic at The Air Putih Ferry Port (3) Knowing the facilities that must be provided to support the implementation of port sterilization of crossings and passenger and vehicle traffic management in Air Putih Ferry Port.

2. Research Methods
Data is divided into two, namely primary and secondary data, primary data is data obtained directly from the source or based on direct observations in the field in the form of observations and surveys while secondary data secondary data is data obtained indirectly or data obtained in a ready-made form and has been processed by other parties in the form of data from Institutional and literature. Used analytical methods to analyze the problems found such as sterilization analysis of ports, Analysis of Passenger and Vehicle Traffic Patterns, and Analysis of Sign Equipment.
3. Result And Discussions

Overview of research objects

The Air Putih Ferry Port has 5 ships in operation and has 2 movable bridge docks with a frequency of ± 22 trips / day.

This port is located in Bengkalis Regency which is one of the districts in Riau Province. The capital of Bengkalis regency is located between 207°37′2″-005°33.6″ North Latitude and 100°57′57.6″ – 102°30′25.2″ East Longitude. The capital of this district is located in Bengkalis Regency which is on Bengkalis Island. Some of them are on the island of Sumatra, while others are located on the island of Bengkalis. The area of Bengkalis Regency is 8,426.48 km2, consisting of islands and oceans.

Sterilization at Air Putih Ferry Transport of Bengkalis Regency

The ferry port must have arrangements and supervision of sterilization at the port, but what occurs in the field for the application of sterilization at the Air Putih Ferry Port is not in accordance with Peraturan Menteri Perhubungan Nomor 29 Tahun 2016 tentang Sterilisasi Pelabuhan Penyeberangan, where there are still frequent violations of zoning committed by residents around the port area such as carrying out passenger shuttle activities in Zone C. In addition, there are still ticket purchase counters for passengers and vehicles.
Gambar 2. Condition in Movable Bridge

From looking at the current conditions at the Air Putih Ferry Port, it is necessary to implement sterilization to regulate vehicles and passengers and surrounding residents in order to support the sterilization of the ferry port in accordance with Peraturan Menteri Perhubungan Nomor 29 Tahun 2016 tentang Sterilisasi Pelabuhan Penyeberangan in the planning of zone systems must pay attention such as,

a. Zoning A for People
   Zoning A as intended includes:
   1. Zone A1 for the placement of counters and vehicle parking and only in allotments for passenger delivery/pick-up (from the port gate to the counter).
   2. Zone A2 for waiting rooms and only in allotments for prospective passengers.
   3. Zone A3 for passenger ticket checks and only in allotments for people who will cross.

b. Zoning B for Vehicles
   Zoning B as intended includes:
   1. Zone B1 is a port area for the placement of weigh bridges and toll gates for vehicles.
   2. Zone B2 is a port area for queues of vehicles that will cross (already have tickets).
   3. Zone B3 is the loading area of vehicles ready to enter the ship.

c. Zoning C for Vital Facilities
   Zone C as intended is a port area for the security and safety of important facilities, prohibited by people unless officers, among others:
   1. Bunker
   2. Movable Bridge house and Gang way
   3. Water hydrent
   4. Electrical Substation/Generator set
   5. Bolder place
   6. Passenger and Vehicle Traffic Management at Air Putih Ferry Transport of Bengkalis Regency

   The management of passenger and vehicle traffic at the ferry port is an important thing in the activities at the ferry port. But currently there is still a crossing at the ticketing counter, namely a vehicle that will exit the ferry port area with motor cycles that makes transactions at the ticket purchase counter.
In addition, there is also a *crossing* at the entrance and exit of the ferry port between the delivery/pick-up vehicle that goes to the parking lot, and vehicle the motor cycles that goes to the parking area ready to fit with the vehicle that gets off the ship.

From looking at the current conditions at the Air Putih Ferry Port, it is necessary to do traffic management in order to regulate vehicles and passengers and can support the implementation of sterilization of ferry ports. To overcome the problem, vehicle traffic arrangements are needed in accordance with the Surat Keputusan Direktu Jendaral Perhubungan Darat Nomor. SK.242/HK.104/DRDJ/2010 tentang Pedoman Teknis Manajemen Lalu Lintas by implementing the arrangement of vehicles has its own lane to the ready-to-fit parking area that is diverted in front of musala, the scheme of regulating vehicle traffic to board is as follows;

1. All types of vehicles enter through the entrance of the ferry port. For vehicles with passengers buy tickets at the ticket counter located at *tollgate* then go to the parking area ready to fit. For vehicles with cargo after entering the ferry port at *tollgate* then hit the weigh bridge. Next is the weighing of the load. After obtaining the load scales and having the next ticket the vehicle with the load to the parking lot is ready to fit (zone B1)
2. Vehicles that already have the next ticket enter the parking lot ready to fit (zone B2).
3. Next the vehicle enters the ship through the movable bridge dock regularly according to the direction of the officer (zone B3).

For the scheme of regulating vehicle traffic down from the ship, namely as follows;
1. All types of vehicles descend regularly from the ship through the ship's rampa door. and the docks are zone B3.
2. After arriving at zone B3, the vehicle exits towards the port gate.

Supporting Failities fo Sterilization and Traffic Management of Passengers and Vehicles at Air Putih Ferry Port of Bengkalis Regency

To support the smooth and order of traffic and vehicles at the Air Putih Ferry Port, there needs to be supporting facilities such as signs to provide warnings, orders, prohibitions and instructions for service users, then to direct traffic markings and road barrier or barriers for passenger and vehicle traffic. Currently, the available signs are not optimal in their use, such as pedestrian-specific instruction signs that are not placed in accordance with their function.

![Signs at the ferry port](image)

Gambar 5. Conditions of Signs

It is necessary to plan the addition of signs and signs supporting the zoning system, procurement of zone system support equipment such as traffic signs at the port of distribution is needed to support the zone system and traffic arrangements at the port based on Peraturan Menteri Perhubungan Republik Indonesia Nomor 13 Tahun 2014 tentang Rambu Lalu Lintas, as well as the use of road markings in accordance with the regulation of Peraturan Menteri Perhubungan Republik Indonesia Nomor 34 Tahun 2014 tentang Marka Jalan. In order for supporting facilities to be functioned optimally, it is also necessary that officers at the ferry port are also important in regulating and make it sure secure of traffic management at the ferry port.

4. Conclusion

Sterilization has not been applied at the Air Putih Ferry Port in accordance with Peraturan Menteri Perhubungan Nomor 29 Tahun 2016 tentang Sterilisasi Pelabuhan Penyeberangan where sterilization can be done by dividing zone areas. If within 6 (six) months after the regulations have not been implemented, administrative sanctions will be given.
Passenger and vehicle traffic management at the Air Putih Ferry Port needs to be applied in accordance with the order of order of passengers and vehicles coming up to board the ship or getting off the ship to exit the ferry port area guided by Surat Keputusan Dierktur Jendral Perhubungan Darat Nomor SK.242 / HK.104 / DRDJ / 2010 tentang Pedoman Teknis Manajemen Lalu Lintas Penyeberangan.

Not yet optimize supporting facilities available today to implement sterilization and management of passenger and vehicle traffic at the Air Putih Ferry Port. In addition, there is also still needed some supporting equipment such as signs, road markings, traffic cones, as well as the role of officers to support the exhaustion of operational activities at the Air Putih Ferry Port.

5. References

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