



# Review of Efforts to Prevent Pollution in Waterways in Ketapang Banyuwangi Port Area, East Java Province

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**Abstract.** Transportation is the most important main means in connecting between islands and between countries and playing a role in stimulating growth of economic, trade and industrial activities in the region the. Environmental pollution is a very hot issue in particular environment originating from the construction and operation of ports. Water environmental pollution usually occurs due to activities cruise. Increased shipping activities at sea trigger increased risks marine pollution. The research will be carried out using qualitative methods descriptive. There is also a data collection method used in analyzing is a gap analysis where researchers compare actual conditions in the port with the expected conditions in accordance with the regulations applies. Based on the results of data analysis and discussion of problems, then Conclusions are drawn regarding pollution prevention in ports Ketapang Crossing. Still not in accordance with PERMENHUB No. 58 of the year 2013 so it is necessary to create tier-1 pollution control procedures, procurement of pollution control tools and materials, increasing competence port personnel, in order to fulfill the requirements for issuing the letter ratification of the fulfillment of pollution control requirements.

**Keywords:** Procedures, Tools, Personnel, Validation Letter.

## 1 Introduction

Transportation is the most important main means in connecting between islands and between countries and playing a role in stimulate the growth of economic, trade and industrial activities from that region. The need for transportation in an area is caused by the interaction between social and economic activities in the area. The human desire to travel is never-ending and There are also many reasons why goods are transported from one place to another place. Along with transportation, environmental pollution has become a very hot issue, especially the environment that comes from port development and operation. Environmental pollution waters usually occur due to shipping activities. Enhancement Shipping activities at sea trigger an increased risk of marine pollution. In In recent years there have been several cases that have triggered this environmental pollution in the sea and coast. Just like what happened toIn 2022

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P. M. Latuheru et al. (eds.), *Proceedings of the International Conference of Inland Water and Ferries Transport Polytechnic of Palembang on Technology and Environment (IWOSPA-T&E 2023)*, Advances in Engineering Research 236,

[https://doi.org/10.2991/978-94-6463-484-6\\_15](https://doi.org/10.2991/978-94-6463-484-6_15)

the Indonesian Ministry of Maritime Affairs and Fisheries (KKP RI) will take part because There are allegations of waste pollution in the Ketapang Port area Banyuwangi, East Java. One person complained about this pollution local people. (Mahrizal Ramadan, 2022).

This pollution is something that cannot be taken lightly, because Indonesia is a maritime country where the sea area is larger compared to its land area. The concept of sustainable port development becoming increasingly important to implement as conditions change abnormal global environment. This is because the port has important role in a country's economic development.

Based on Minister of Transportation Regulation Number 58 of 2013 which mandates that the Port Authority, Implementation Unit Ports, port business entities and ships are required to provide facilities waste storage and also tools for preventing and handling pollution environment. For the ongoing pollution prevention program This environment requires support from the management Harbor. Based on these reasons, it was prepared This research aims to find out further understanding about how to prevent environmental pollution in the port area. Researchers are interested to conduct research which will be outlined in the research with the title: "REVIEW OF POLLUTION PREVENTION EFFORTS IN WATERS IN THE KETAPANG PORT AREA OF BANYUWANGI, JAVA PROVINCE EAST".

## **2 Research Methodology**

The research will be carried out using qualitative methods because the researcher is the key instrument and emphasizes meaning rather than generalization (Sugiyono in Prasanti, 2018). Hamzah (2019) added that qualitative research hasemic perspectivewhich means process obtaining data in research is not based on the researcher's thoughts, rather it is based on various facts in the field.

## **3 Result and Discussion**

### **3.1 Presentation of Data**

Data is presented and described descriptively, data obtained from observations, questionnaires and survey interviews. The resource person is Port Operators and Regulators at PT Ferry Ports. ASDP Ketapang Branch. In order to be more focused on presenting this data, researchers will displays data based on the main material, namely as follows.

### **3.2 Data Analysis**

Based on observations made by researchers that Port The Ketapang crossing does not yet have a Compliance Approval Letter Pollution Management Requirements proven by their absence Tier-1 Pollution Procedures, Availability of Mitigation Equipment and

materials Pollution, Personnel who have Competency proven by certificate expertise possessed, and there is no Training Implementation Schedule Pollution prevention.

**Table 2.** The Condition of prevent pollution

Description	Current Condition	Plan Condition
Procedure Counter measures Pollution in The Waters and Harbor	Not yet available	Every Other Activity Unit and Port Must Own Procedure Countermeasures Tier 1 pollution
Availability Equipment And Material Countermeasures Pollution	Not yet available	Every Port and Other Activity Unit is Required to Have Equipment And material pollution control
Port Personnel Which Has Internal Competence Prevention Matters Pollution	Not yet competent	Every port and other activity unit is required to have personnel countermeasures pollution
Letter Of Confirmation Fulfillment Condition Countermeasures Pollution	Not yet available	Ports and other activity units that have met the requirementscountermeasures pollution given a letter Endorsement Fulfillment Condition Countermeasures Pollution by the Director General

## 4 Conclusion

### 4.1 Conclusion

Based on the analysis and discussion, the researcher is interesting conclusion of the Review of Efforts to Prevent Pollution in Waterways in Indonesia PT. Ferry Port Area. ASDP Ferry Indonesia (Persero) Branch Ketapang namely:

1. The Ketapang Ferry Port Management does not yet have one pollution control procedures at Tier 1 Ports as minimum procedures as regulated in Ministerial Regulations Transportation Number 58 of 2013.
2. The Ketapang Ferry Port Management does not yet have one appropriate pollution prevention tools and materials at the Port with Minister of Transportation Regulation Number 58 of 2013.
3. The Ketapang Ferry Port does not yet have sufficient personnel have the appropriate competencies as regulated in Minister of Transportation Regulation No. 58 Year 2013.
4. The Ketapang Ferry Port does not yet have an Approval Letter Fulfillment of Pollution Management Requirements by the Director General of Sea Transportation.

## 4.2 Suggestions

Suggestions that can be proposed in efforts to prevent pollution in waters, and as input for Port Operators Ketapang Crossing, Ketapang Crossing Service Unit and KSOP III Tanjung Wangi as follows:

1. The management of the Ketapang Ferry Port makes tier 1 pollution control procedures. As whichever stated in Minister of Transportation Regulation No. 58 of 2013 article 5 paragraph 2 which reads Every other activity unit and port is required to have procedures tier 1 pollution prevention.
2. Economic The Ketapang Ferry Port Manager needs to do procurement of pollution prevention tools and materials to fulfill Minister of Transportation Regulation No. 58 of 2013.
3. Improve competency and participate in training pollution prevention for all Port personnel The Ketapang crossing is related to pollution control, and create a pollution control training schedule.
4. Advise the Port Operator to fulfill the requirements as stated in Minister of Transportation Regulation Number 58 of 2013 article 25 paragraph 1 so that Ketapang Ferry Port to get the letter ratification of the fulfillment of pollution control requirements.

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