

STUDY OF GOVERNMENT FUNCTION AND BUSINESS FUNCTION OF BONTO BAHARI FISH LANDING BASE (PPI) IN BONTOA DISTRICT MAROS REGENCY SOUTH SULAWESI

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ABSTRACT

This research aims to (1) Identify the functions of PPI that running as its function according to PER.08/MEN/2012, (2) calculated the functioning rate according to PER.08/MEN/2012. This research was conducted in November until December 2021 at PPI Bonto Bahari, Bontoa District, Maros regency, South Sulawesi province. The method in this research used a case study method through direct observation of the activities at PPI by collected primary and secondary data obtained by using observation, interview and questionnaire filling. Identification function was analyzed by descriptively the function rate was analyzed by using a scoring method. So the results are (1) for the function of government there are only three of ten functions are implemented is catch & fishery data collection, supervision and control of fish resources and monitoring of coastal areas and business function there are only four of nine functions are implemented is mooring services, utilization of land and facilities, fish loading and unloading services, and marketing and distribution of fish, (2) The functioning rate for ten government functions is 28% suitability value, for nine business functions is 40% suitability value, these two functions are included in the category of $\leq 50\%$ non-functioning. The conclusion is that the government function and the business function at PPI Bonto Bahari Maros Regency are not running generally as its function.

Keywords: Function, PPI Bonto Bahari, Maros

INTRODUCTION

Maros Regency located in the western part of South Sulawesi between South $40^{\circ}45'$ - $50^{\circ}07'$ latitude and $109^{\circ}205'$ - $129^{\circ}12'$ east longitude which is directly adjacent to Pangkep Regency to the North, Makassar city and Gowa regency to the South, bone Regency to the East and Makassar Strait to the West. The area of Maros Regency is

1619.11 km^2 consisting of 14 (fourteen) sub-districts in charge of 103 villages/urban district (Pemkab Maros, 2014).

Maros Regency has the potential for development in the fisheries sector, this supported by the condition of the water area next to the Makassar Strait. The amount of capture fishery production in Maros Regency

in 2019 amounted to 18,108.3 tons (PPID Sulsel, 2019).

Seeing this potential, it is necessary to have facilities and infrastructure that can support activities related to fisheries, such as loading and unloading of goods related to fishery products, one of which is the Fish Landing Base (PPI) to support fishing activities so that largest results in the context of fisheries economic development.

The purpose of developing a fishing port is to provide a forum for the sustainability of capture fisheries activities. The fishing port is a vital place for operational activities such as the addition or construction of fishing vessels, auctions of catches, services for catching and catching activities, marketing and distribution of catches.

Fishery Ports or fish landing base need to managed activities and facilities owned. One of indicator the success of capture fisheries development is the optimization of the function of fishing ports/PPIs that can support traditional fishermen and have a significant role in regional and regional development. This can increase the standard of living and welfare of the community in general and fishermen in particular, fair development, expansion of job opportunities and reduce the flow of urbanization that has occurred so far (Wahyuni, 2007).

Improving the welfare of traditional fishermen, one of them is by providing

convenience to fishermen, especially to facilitate fishing operations, landing fishery products, processing and marketing fish (Abriani, 2020).

PPI Bonto Bahari was built in Bontoa District, Maros Regency aims as a place of loading and unloading, mooring. To running the functions and roles requires a good manageability, both of the activities and facilities owned by PPI Bonto Bahari Maros Regency. The optimal function of the fishing port is one of the benchmarks of the success of the development of capture fisheries.

Research on the "Study Of Government Function and Business of Bonto Bahari Fish Landing Base (PPI) in Bontoa District, Maros Regency, South Sulawesi Province" has never done before until now, so there is a lack of information about the running functions at PPI Bonto Bahari Maros.

Based on these conditions, it is necessary to conduct research on "Study of government function and business function of Bonto Bahari Fish Landing Base (PPI) in Bontoa District, Maros Regency, South Sulawesi Province" based on the functions of the PPI according to PER.08 /MEN/2012 is government function and business function so that the port function can run in accordance with the regulations contained in the PPI Bonto Bahari.

This research aims to: (1) Identify the functions of PPI that running as its function according to PER.08/MEN/2012, (2) calculated the functioning rate according to PER.08/MEN/2012.

DATA AND METHODS

Time and Location

This research was conducted from November 2021 until February 2022 at Bonto Bahari fish landing base (PPI), Bontoa District, Maros regency, South Sulawesi province.

Methods

The method in this research used a case study method through direct observation of the activities at PPI by collected primary and

secondary data obtained by using observation, interview and questionnaire filling

Data Analysis

The data analysis based on research aims are:

1. Identify the PPI functions that run in accordance with its function

That is by describing in accordance with the existing reality in the field using the analysis of the implementation of the functions of PPI Bonto Bahari Maros Regency refers to the PPI function according to PER.08/MEN / 2012 on fisheries port in Table 1.

Table 1. Analysis of the implementation of the function of PPI Bonto Bahari Maros

PPI functions according to PER.08/MEN2012	Function	Causes Not Functioning	Development of Function
1. Quality development service/processing of fishery products			
a. There are facilities for quality development and processing of fishery products			
b. Implemented quality development and processing of fishery products			
2. Data collection of catches and fishery products			
a. The process of collecting catch data and fishery products is carried out			
3. Implementation of counseling and development of fisherman communities			
a. There is a fisherman's meeting hall			
b. Implementation of counseling			
4. Implementation of fishery vessel operational activities			
a. There are distribution activities of supply materials			
b. There are sailing ship licensing facilities			
5. Supervision and control of fish resources			
a. There are facilities for supervision and control of fish resources			
6. Implementation of fish quarantine			

- a. There are quarantine facilities for export, import and local fish
- b. Fish quarantine for import and local are implemented

7. Implementation of harbourmaster activities

- a. There are harbourmaster facilities
- b. Procedure of harbourmaster are implemented

8. Publication of docked and mooring services of fishing vessels/supervisory vessels

- a. There are facilities for publication of the results of docked and labuh services of fishing vessels and supervisory vessels

9. Monitoring of coastal area

- a. There are facilities for monitoring of coastal area
- b. Implement of coastal area monitoring

10. Enviromental control

- a. There are wastewater treatment plant
- b. There are toilet
- c. There are waste dump
- d. There are drainage

11. Mooring of ships service

- a. There is a pier for moored ships
- b. There are ships anchored and moored at the pier

12. Loading and unloading fish services

- a. There are ships that ashore the catch or do loading and unloading

13. Fish processing services

- a. There are laboratory of quality development of the catch
- b. There are facility of fish processing

14. Marketing and distribution of fish

- a. Have a fish auction place
- b. Implement of fish selling
- c. Distribute the catch to areas outside the fish landing base (PPI) area
- d. There is a highway that is suitable for distribution
- e. There are transportation used for the distribution of the catch.

15. Land use and facilities

- a. Land area required for fish landing base

16. Repair and maintenance of ship

- a. There is workshop

17. Ship logistics and supply services

- a. There is a solar pocked dealer for fisherman
- b. There is a cool room
- c. There is a ice factory
- d. There are water tank

18. Marine tourism

- a. There are marine tourism

19. Other sevicees

(Source: PER.08/MEN/2012)

2. Calculated the functioning rate of Bonto Bahari fish landing base
 Calculated the functioning rate of fish landing base that is by using tabulation of function rate data from Bonto Bahari fish landing base Maros regency based on government function in Table 2 and business function in Table 3 according to PER.08/MEN/2012.

Table 2. Analysis of the rate of functioning of Bonto Bahari fish landing base Maros Regency based on government functions

No	Criteria in Value	Sub criteria Value	Weight criteria	Score Value	Weight Value
1	Quality development service/processing of fishery products				
	1.1 Performed 12 times a year	5	0,5		
	1.2 Performed 6 times a year	3			
	1.3 Performed less than 6 times a year	1			
2	Data collection of catches and fishery products				
	2.1 Performed daily	5	0,5		
	2.2 Performed once a week	3			
	2.3 Performed once a month	1			
3	Implementation of counseling and development of fisherman communities				
	3.1 Implemented 4 times a year	5	0,5		
	3.2 Implemented 2 times a year	3			
	3.3 Implemented 1 times a year	1			
4	Implementation of fishery vessel operational activities				
	4.1 All operational activities are performed	5	1,0		

4.2	Three of them are performed	3	
4.3	Less than three are performed	1	
5	Supervision and control of fish resources		
5.1	Performed everyday	5	0,5
5.2	Performed once a weekl	3	
5.3	Performed once a month	1	
6	Implementation of fish quarantine		
6.1	Performed everyday	5	0,5
6.2	Performed once a week	3	
6.3	Performed once a month /not performed at all	1	
7	Implementation of harbourmaster activities		
7.1	Performed everyday	5	0,5
7.2	Performed once a week	3	
7.3	Performed once a month /not performed at all	1	
8	Publication of docked and mooring services of fishing vessels/supervisory vessels		0,5
8.1	Performed once a month	5	
8.2	Performed once a quartal	3	
8.3	Performed once a year	1	
9	Monitoring of coastal area		
9.1	Performed everyday	5	0,5
9.2	Performed once a week	3	
9.3	Performed once a month /not performed at all	1	
10	Enviromental control		
10.1	Performed everyday	5	0,25
10.2	Performed once a week	3	
10.3	3 Performed once a month	1	
Total weight		
Score value		

Value should be	50
Conformity value (Tf)

Source: PER.08/MEN/2012

Table 3. Analysis of the rate of functioning of Bonto Bahari fish landing base Maros Regency based on business functions

No	Criteria in Value	Sub Criteria Value	Weight Criteria	Score Value	Weight Value
1	Mooring of ships service				
	11.1 There are many moorings of ship (≥20 ships)	5	1,0		
	11.2 There are some moorings of ship (10–19 ships)	3			
	11.3 There are a bit moorings of ship (< 10 ships)	1			
2	Loading and unloading fish services				
	12.1 Very fast loading and unloading (≤ 2 hours)	5	0,5		
	12.2 fast loading and unloading (3-5 hours)	3			
	12.3 Slow loading and unloading (> 5 hours)	1			
3	Fish processing services				
	13.1 Facility capacity more than fish landed	5	0,5		
	13.2 Facility capacity enough more than fish landed	3			
	13.3 Facility capacity are less than fish landing/facility are not available	1			
4	Marketing and distribution of fish				
	14.1 Marketing and distribution are performed	5	0,5		
	14.2 Marketing or distribution are performed	3			
	14.3 Not marketing and distribution activities	1			
5	Land use and facilities				
	15.1 very high utilization (≥50%)	5	0,25		
	15.2 High utilization (<50%- ≥25%)	3			
	15.3 Low utilization (<25%)	2			
6	Repair and maintenance of ship		0,5		

No	Criteria in Value	Sub Criteria Value	Weight Criteria	Score Value	Weight Value
	16.1 Vessel repair/maintenance is very large (>5 ships/day)	5			
	16.2 Vessel repair/maintenance is a bit (3 – 5 ships/day)	3			
	16.3 Very few ship repair and/or maintenance activities (<3 ships / day)	1			
7	Ship logistics and supply services				
	17.1 All available (fuel, ice, clean water, food available)	5	1,0		
	17.2 Partially available (3 of them available)	3			
	17.3 Less available (less than 3 available)	1			
8	Marine tourism				
	18.1 All available (diving, sailing, snorkeling , fishing available)	5	0,25		
	18.2 Some available	3			
	18.3 Not available	1			
9	Other services				
	19.1 There are 2 other services	5	0,25		
	19.2 There is 1 other service	3			
	19.3 No other services	1			
Total weight				
Score values				
Value should be					50
Conformity value (Tf)				

Source: PER.08/MEN/2012

The rate of functioning of the fishing port calculated using the Mallawa equation (2009) in Suharsi (2020) as follows :

$$Tf(\%) = \frac{\text{Score value}}{\text{Value should be}} \times 100\%$$

Dimana: Tf = Value of functioning (%)

Measurement of the level of functioning of the port by comparing the score value with the value should be. The most value obtained then the port functions very well. Processing

score is using scoring method. Each optimal and good functioning of the port will be given a score of 5, for the rate of functioning of the PPI that is less than optimal or less good will be given a score of 3, while if the level of functioning of the PPI that is very less will be given a score of 1.

Determining the interval of the value of the function must be calculated first the maximum score of function, then the new set interval and predicate function. Criteria for the functioning of PPI can be seen below:

- > 85 – 100 % : Functioning is very well
This criteria, almost or all parts of the PPI are functioned well, evidenced by the scoring value of > 85% to 100%
- > 65 – ≤ 85 % : Functioning is well
This criteria, most of the PPI is functioned well, but there is a part of the PPI that is less or not functioned well, evidenced by the scoring value of > 65% up to 85%

- > 50 – ≤ 65 % : Functioning is less
This criteria, part of PPI is functioned and part of PPI is not functioned properly, as evidenced by the scoring value of > 50% up to 65 %
- ≤ 50 % : Not functioning
This criteria, almost or all parts of the PPI are not functioning, evidenced by the scoring value of 50 %

RESULT AND DISCUSSION

The facilities owned by the fish landing base (PPI) based on a PER.08/MEN/2012, divided into basic facilities, functional facilities, and supporting facilities. These facilities function in the operational activities of the fishing port. The following facilities contained in PPI Bonto Bahari Maros Regency based on field observations and the results of interviews with PPI employees can see in Table 4

Table 4. Facilities in Bonto Bahari fish landing base Maros Regency

Basic Facilities	Functional Facilities	Supporting Facilities
Pier	Fish auction place	Guard post
Port Pool	Port administration office	Canteen, Cooperation and toilet building
<i>Bollard</i>	water tower building	
Street in the fish landing base	Clean Water Tank	
Drainage	<i>Water Treatment System and Roe Sea Water building</i>	

Land	Water distillation tank
	Electrical installation building
	Workshop building

Source: research data

Port Facilities

Here are the facilities at Bonto Bahari fish landing base Maros Regency

Basic facilities

Basic facilities is the main facilities owned by fishing ports are used for mooring and docking of fishing vessels and can reduce natural disturbances such as high waves and ensure shipping safety (Lubis, 2012).

The Basic facilities owned by PPI Bonto Bahari Maros Regency as follows:

Pier

The pier size is 371 m which is made from concrete, in terms of its location, is included in the jetty category. This pier has support from the ground surface on the beach to the pier building. The pier built is in the form of a T-shape pier. The pier is in good condition and functioning properly for mooring and loading and unloading the catch. There are ships docked at the pier.

The pier equipped with bollards made from cast iron, including the bollard bitt type (shaped like the letter I) which consists of 9 pieces with a length of 73 cm and a width of

68 cm. On the pier side there are fenders, but they are limited in number. The pier is also equipped with an ascending ladder to make it easier for fishermen when loading and unloading at the pier.

Port pool

The port pool is directly adjacent to the open ocean. The size of the port pool is 9598,454 m² with a depth of 50 cm at the lowest low tide and 1.5 m at the highest tide. There are problems in utilizing the port pool facility which is makes it difficult for ships, especially ships measuring > 5 GT when they want to enter to the port area and dock because there is silting due to sedimentation and if there is high tide and if the weather is bad, the ships is difficult to lean on due to wave disturbances because Bonto Bahari fish landing base Maros Regency is not equipped with breakwater facilities.

Street in the fish landing base

Street in the fish landing base of Bonto Bahari Maros Regency the size is 3.972 m made from concrete. The street condition of the Bonto Bahari fish landing Maros Regency is good and suitable for use.

Drainage

The drainage size is 43 m and in a good condition dalam kondisi yang baik but it is necessary to do regular improvement and maintenance, one of which is dredging to prevent drainage blockage that can cause overflow of water so that it can cause a foul-smelling puddle.

Land of port

Bonto Bahari fish landing base Maros Regency has a land area of 100 m x 100 m with several facilities built on it. This area is bounded by a 357.60 m² guardrail. The total area of land used is 5,267.46 m².

Functional facilities

Functional facilities are the facilities built aim to increase the use value of the basic facilities. The construction of functional facilities is expected to support all activities in fishing ports, so that optimal port benefits and usability can be achieved (Lubis, 2012).

The functional facilities owned by PPI Bonto Bahari Maros Regency as follows:

Fish auction place

The fish auction place is 384.00 m², used by local fishermen to market their catch, especially small crab fishermen, which are the main livelihoods for residents around PPI.

It is necessary to repair the ceiling and roof of the TPI, the damage to the roof is

caused by strong winds, causing a feeling of not safe and uncomfortable when the fish auction place is used. The condition of the floor of the fish auction building is always dirty due to the malfunction of the clean water installation to wash the floor from dirt.

Port administration office

The port administration office size is 180 m². Port administration not functioning properly because there are no staff based at PPI. The condition of the office needs improvement because some of the glass is broken and the roof is in a leaky condition.

Clean water installation

There are towers and clean water tanks as many as 3 tanks but do not function and are not used properly. So that fishermen have difficulty to getting clean water for supplies to go to sea and clean the catch. According to interviews to fishermen, clean water tanks have been used since the first construction of the Bonto Bahari PPI in Maros Regency, but until now they have never been functioned and the absence of PPI managers who settled as a result, clean water tanks are not well maintained.

Water Treatment System and Roe Sea Water

Water treatment system and roe sea water is a facility that was provided for the distillation of seawater into fresh water or clean water in PPI Bonto Bahari Maros Regency. There is a building

for storage of distillery equipment covering an area of 50 m² and storage tanks of water distilleries as many as 44 tanks. the facility is not functioned at this time and only works during the first 3 months when operating, then it is not functioned and currently the water distillation machine has been taken by the previous manager of the DKP Maros Regency shortly after being handed over to the current manager of the DKP South Sulawesi province.

Based on interviews with fishermen PPI Bonto Bahari Maros Regency, if the water Treatment system and Roe Sea Water facilities function properly, then of course it can help to get clean water for fishing supplies.

Electrical installation

Electrical installaton used for to support all operational activities and information at PPI Bonto Bahari, Maros Regency. The PPI electricity source comes from the local PLN and has not functioned until now due to the cut off of electricity by the DKP Maros Regency shortly after the handover of authority to the DKP South Sulawesi Province as the current manager.

There is also an electrical installation building that is used as a storage area for the generator system (genset) which is used as an

additional source of electricity at PPI. The size of this electrical installation building is 24 m².

Based on an interview with the manager of Bonto Bahari fish landing base, Maros Regency, currently the generator is no longer used so that the current generator building is not functioning and is not used properly so that if it is not used it can be damaged and unfit.

Workshop

Workshop facilities built in PPI Bonto Bahari Maros Regency aims to enable fishermen to improve their fishing gear and ship in the fish landing base area. The size of the workshop building is 206.46 m². Based on the results of interviews and observations made, the condition of the workshop facilities is very inadequate for use because the roof is damaged, the tools used for repair are not available and there are no workshop technicians so that repair activities are not carried out. Fasilitas perbengkelan dibangun di PPI Bonto Bahari Kabupaten Maros bertujuan agar nelayan dapat memperbaiki alat tangkapnya di area PPI. Ukuran dari bangunan bengkel yakni seluas 206,46 m².

Support facilities

According to Lubis (2012) support facilities is facilities that will indirectly increase the role of the port so that users get convenience and comfort in carrying out all activities at the fishing port

The support facilities owned by PPI Bonto Bahari Maros Regency as follows:

Security pos

This guard post was built with the aim of being used by security officers and retribution at PPI Bonto Bahari, Maros Regency. There are 2 guard posts measuring 10 m x 10 m. The condition of this guard post is not functioning properly because there are no security personnel so that it is neglected and slowly damaged several parts such as doors, windows. Currently it needs to be repaired so that it can be used again.

Canteen, cooperation, dan toilet

The canteen and cooperation built at PPI Bonto Bahari, Maros Regency, aims to

provide various logistical needs and fishermen's supplies for fishing purposes, and aequipped with toilets with a building area of 384.00 m2. There is no buying and selling activity in the canteen and cooperatives which causes this facility to not function properly, there is damage in several parts so that if left unchecked, more damage will occur. There are 2 MCK rooms but they have not been used until now and in the end they became dirty and damaged and emitted a foul smell.

Analysis of the functions of PPI Bonto Bahari Maros Regency

Analysis of the functions of PPI Bonto Bahari Maros based on questionnaires and interviews to fishermen, port users and PPI managers are divided into government functions and business functions can be seen in Table 4.

Table 4. Function of PPI Bonto Bahari Maros Regency based on the results of interviews

No	Function	Performed / Not performed	Frequency
Government functions			
1	Quality development service/processing of fishery products	Not performed	-
2	Data collection of catches and fishery products	Performed	Every day
3	Implementation of counseling and development of fisherman communities	Not performed	-
4	Implementation of fishery vessel operational activities	Not performed	-
5	Supervision and control of fish reseources	Performed	3 times a year
6	Implementation of fish quarantine	Not performed	-
7	Implementation of harbourmaster activities	Not performed	Only data collection
8	Publication of docked and mooring services of fishing vessels/supervisory vessels	Not performed	-

9.	Monitoring of coastal area	Not performed	-
10.	Enviromental control	Not performed	-
Business functions			
11.	Mooring of ships service	Performed	Every day
12.	Loading and unloading fish services	Performed	Fast, 3-5 hour
13.	Fish processing services	Not performed	-
14.	Marketing and distribution of fish	Performed	Every day
15.	Land use and facilities	Performed	56,38%
16.	Repair and maintenance of ship	Not performed	-
17.	Ship logistics and supply services	Not performed	-
18.	Marine tourism	Not available	-
19.	Other services	Not available	-

Source: research data

Identify the PPI Function that run in accordance with its function

function of PPI Bonto Bahari Maros Regency can be seen in Table 6

Based on the interview results in Table 5, the analysis of the implementation of the

Table 5. Analysis of the implementation of the function of PPI Bonto Bahari Maros Regency

PPI Function According to PER.08/MEN/2012	Function	Cause Not Functioning	Development Function
1. Quality development service/processing of fishery products			
a. There are facilities for quality development and processing of fishery products	Quality/catch processing facilities are not available	Because the facilities are not available before	Need a decent place to be able to conduct quality coaching / processing of catches
b. Implemented quality development and processing of fishery products	quality development / processing of catch in PPI Bonto Bahari are not implemented	Because there is no officer /extension officer who can do quality counseling	Quality development and processing of catches need to be implemented to maintain the quality of fishermen's catches and can increase the selling value of fishermen's catches
2. Data collection of catches and fishery products			

a.	The process of collecting catch data and fishery products is carried out	The data collection process was carried out by the syahbandar assigned by the Marine and Fisheries Department of Maros Regency	Data collection process by the syahbandar is only done until September, the syahbandar officer has been deactivated by DKP Maros	In order to optimize the process of collecting data on catches and fishery products, it is necessary to reassign syahbandar officers and make improvements to the data collection mechanism at PPI
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3. Implementation of counseling and development of fisherman communities

a.	There is a fisherman's meeting hall	Fisherman's meeting hall is not available	Because the facilities are not available before	fishing meeting hall is needed so that it can be used for socialization or counseling to fishermen and as a place to channel the aspirations of fishermen
b.	Implementation of counseling	Had done counseling before but is not currently done again	Because of the absence of officers in PPI Bonto Bahari who carry out counseling	In order for the function to be optimal it is necessary to hold intensive counseling again so that the fishermen get a variety of knowledge about fisheries

4. Implementation of fishery vessel operational activities

a.	There are distribution activities of supply materials	There is no distribution activity of supply materials	Because related facilities are not available in PPI Bonto Bahari such as Solar Pocket Dealer	Needs for re-functioning facilities for supplies and the need for provision of supplies in PPI Bonto Bahari
b.	There are sailing ship licensing facilities	There are port office administration	But currently does not function, for the licensing of sailing vessels handled by the Department of marine and Fisheries Maros Regency then directed to the PPN Untia Makassar	It needs to be functioned again so that the Administrative Office permits sailing ships back to function and fishermen do not need to go far to the Office of the DKP Maros Regency and then to the city of Makassar

5. Supervision and control of fish resources

a.	There are facilities for supervision and control of fish resources	Supervision and control of fish resources carried out by KCD Mamminasata but has not been done routinely		The need for more intensive supervision and control of fish resources to prevent the occurrence of violation or crime in fishery's parts
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6. Implementation of Fish quarantine

a.	There are quarantine facilities for export, import and local fish	Fish quarantine facilities for export, import and local are not available	Because the facilities are not available before	Facilities for fish quarantine are needed so that the quarantine
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process for caught fish can be carried out

- | | | | | |
|----|--|--|---|---|
| b. | Fish quarantine for import and local are implemented | There are no fish quarantine process at PPI Bonto Bahari | Because there are no officers to quarantine fish, and at PPI Bonto Bahari are still classified as traditional, so catches that come from outside areas do not quarantine fish | Quarantine is needs to necessary because the quarantine process is able to prevent the entry and spread of pests and fish diseases. |
|----|--|--|---|---|

7. Implementation of harbourmaster activities

- | | | | | |
|----|--|--|--|---|
| a. | There are harbourmaster facilities | Harbourmaster facilities is not avaiable | Harbormaster facilities are currently not available and are still combined with administrative offices that are not functioning | Harboring facilities are needed considering that they guarantee the operational security and safety of fishing vessels moored at PPI |
| b. | Harbourmaster activities procedure are implemented | Currently, the harbormaster procedure is not implemented after the transfer of port authority from the district to the provincial marine service | Only data collection activities. All harboring procedures in the PPI Bonto Bahari area are directed to Marine and fisheries Departemen of Maros regency then to PPN Untia Makassar | There needs to be a re-assigned harbormaster officer so that fishermen can carry out correspondence administration, considering that the distance is quite far and requires a lot of money. |

8. Publication of docked and mooring services of fishing vessels/supervisory vessels

- | | | | | |
|----|---|---|---|---|
| a. | There are facilities for publication of the results of docked and labuh services of fishing vessels and supervisory vessels | There are no publication facilities for docking and anchoring services for fishing vessels and fishing vessel supervisory vessels | Because there are no staff assigned to PPI Bonto Bahari | It needs to be equipped with facilities and officers to publish the results of docking and anchoring services for fishing vessels and ships |
|----|---|---|---|---|

9. Monitoring of coastal area

- | | | | | |
|----|---|--|---|---|
| a. | There are facilities for monitoring of coastal area | Facilities for monitoring of ciastal area is not available | Because the facilities are not available before | Needs to be equipped for monitoring facilities for coastal areas around the PPI Bonto Bahari area |
| b. | Implement of coastal area monitoring | Conducted by KCD Mamminasata staff only 3 times a year | | There is a need for more intensive monitoring of coastal areas, which can be done by cooperating with polair so that monitoring of coastal areas can be carried out optimally |

10. Enviromental control

a.	There are wastewater treatment plant	Wastewater treatment plant are not available at PPI Bonto Bahari	Because the facilities are not available before	It is necessary to have an waterwaste treatment plant because activities at PPI have the potential to cause waste, such as a decrease in water quality, solid waste, liquid waste that pollutes soil and water, unpleasant odors
b.	There are toilet	There are toilet	But it doesn't work and the condition is bad for use	It is necessary to make repairs and improvements to the toilet so that port users feel comfortable if they want to defecate
c.	There are waste dump	There are no waste dump	Because the facilities are not available before, garbage is only thrown into sacks and then thrown away	It is necessary to provide a waste dump so that if garbage accumulates it can be immediately disposed of by the cleaners
d.	There are drainage	There are drainage but needs to maintenance		It is needs dredging so that the drainage can function normally again

11. Mooring of ships service

a.	There is a pier for moored ships	There is a pier for moored ships equipped with bollards and fenders		Don't need for development, just need periodic maintenance if necessary
b.	There are ships anchored and moored at the pier	There are ships anchored and moored at PPI Bonto Bahari measuring 5-30 GT and there are ships carrying fuel oil between islands measuring 100 GT		It is necessary to dredge the port pool because the ship is having difficulty mooring due to silting which causes the ship to run aground, it is also necessary to be equipped with a breakwater because there is no breakwater, making it difficult for ships to want to moor due to wave disturbances

12. Loading and unloading fish service

a.	There are ships that ashore the catch or do loading and unloading	There are ships that ashore the catch or do loading and unloading		It is necessary to add loading and unloading facilities so that loading and unloading services can be carried out more optimally. optimal.
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13. Pelayanan pengolahan ikan

a.	There are laboratory of quality development of the catch	Laboratory of quality development are not available	Because the facilities are not available before	Additional facilities are required in the form of a catch quality training laboratory (if needed)
b.	There are facility of fish processing	Facility of fish processing are not available	Because the facilities are not available before	It is necessary to add fish processing facilities such as cold storage, fish processing centers to increase the selling value.
14. Pemasaran dan distribusi ikan				
a.	Have a fish auction place	Fish auction place is available but need to repair		It need to repair and maintenance a fish auction place so that the buy and selling process and the auction of the catch can be carried out comfortably
b.	Implement of fish selling	There are fish selling activities at PPI Bonto Bahari, Maros Regency	Sometimes there is no buy and selling activity because fishermen often sell their catch to the Labuang TPI, which is more crowded with buyers. Besides that, the distance between PPI and the center of Maros Regency is quite far, so it's not uncommon for there to be no buyers	It is necessary to fix the fish auction place facilities as a place for buying and selling activities. It is also necessary to conduct socialization to attract fishermen to sell their catch at PPI Bonto Bahari
c.	Distribute the catch to areas outside the fish landing base (PPI) area	The distribution of fish is limited to the PPI area, most of the catches are directly sell to collectors.	Shows that the marketing and distribution functions of fish at PPI Bonto Bahari have not run optimally	It is need Improvements need to be made so that fish marketing and distribution can run optimally, one of which is by providing fish marketing and distribution facilities and infrastructure to be made so that fish marketing and distribution can run optimally, one of which is by providing fish marketing and distribution facilities and infrastructure
d.	There is a street that is suitable for distribution	There are streets in good condition and smooth turning streets in concrete. But some of it is overgrown with weeds		Weeds found in PPI Bonto Bahari need to be trimmed and removed so as not to interfere with activities at PPI Bonto Bahari
e.	There are transportation used for the distribution of the catch.	There are no transportasion used for the distribution of the catch	Because the distribution is only carried out around the PPI Bonto Bahari area	It ts need for additional transportation so that it can be used for wider distribution of

catches, not only in the PPI Bonto Bahari area.

15. Land use and facilities

a.	Land area required for fish landing base	The current land area is 10,000 m ² , according to the PPI criteria that the minimum area of a PPI is 1 Ha (10,000 m ²)	The land area used has reached 56.38% of the building, additional facilities are needed to support PPI Bonto Bahari to make it even better.
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16. Repair and maintenance of ship

a.	There is a workshop	There are no workshops available at PPI Bonto Bahari and technicians to repair boats or fishing gear,	Because the facilities are not available before It is necessary to provide workshops and technicians so that fishermen who want to repair boats and fishing gear do not have to go far to the center of Maros Regency
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17. Ship logistics and supply services

a.	a. There is solar pocket dealer for fisherman	Solar pocket dealer for fisherman is not available at PPI Bonto Bahari	Because the facilities are not available before and around the PPI Bonto Bahari area there are mini gas stations owned by local society so that the majority of fishermen in the PPI Bonto Bahari area buy fuel there	It is necessary to provide solar pocket dealer for fisherman at PPI Bonto Bahari or cooperate with fuel station owners in the area around PPI Bonto Bahari to make it easier for fishermen to obtain fuel
b.	There is <i>cool room</i>	<i>Cool room</i> is not available at PPI Bonto Bahari	Because the facilities are not available before	
c.	There is ice factory	Ice factory is not available at PPI Bonto Bahari	Because the facilities are not available before	Need for additional facilities for cool room so that there is more stock of ice blocks for fishermen and fishermen no longer need to buy from outside because the distance from PPI Bonto Bahari to the street is far
d.	There are water tank	There are water tank but it is not functioning until now	The water tank is no longer used due to the lack of maintenance and repairs carried out by PPI officers	It is necessary to repair and maintain clean water tanks to make it easier for fishermen and PPI users to get clean water so that they no longer make purchases outside of PPI Bonto Bahari

18. Marine tourism

a.	There are marine tourism	There are marine tourism spots around PPI Bonto Bahari, namely	Need for collaboration between PPI Bonto Bahari managers and mangrove
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mangrove tourism. However, it is managed by another party and is not operating until now

tourism managers so that it can become one of the marine tourism destinations that can attract people's interest to travel while visiting PPI Bonto Bahari. In addition, it is necessary to provide supporting facilities and infrastructure for marine tourism such as fishing rods rental, diving equipment, and working together with fishermen to be able to use their boats as a means of transportation for marine tourism.

Sumber: data penelitian

The functioning rate of PPI Bonto Bahari

Government function

Government function according to PER.08/MEN/2012 is a function for implemented the regulation, guidance, control,

supervision, and security and safety of fishing vessels operations at fishing ports.

Tabulation of the functioning level of PPI Bonto Bahari Maros Regency based on government functions in Table 6

Tabel 6. The functioning rate of PPI Bonto Bahari Maros Regency according to government function

No	Criteria in Value	Sub criteria Value	Weight criteria	Score Value	Weight Value
1	Quality development service/processing of fishery products				
	1.1 Performed 12 times a year	5	0,5	1	0,5
	1.2 Performed 6 times a year	3			
	1.3 Performed less than 6 times a year	1			
2	Data collection of catches and fishery products				
	2.1 Performed daily	5	0,5	5	2,5
	2.2 Performed once a week	3			
	2.3 Performed once a month	1			
3	Implementation of counseling and development of fisherman communities		0,5	1	0,5

3.1	Implemented 4 times a year	5			
3.2	Implemented 2 times a year	3			
3.3	Implemented 1 times a year	1			
4	Implementation of fishery vessel operational activities				
4.1	All operational activities are performed	5	1,0	1	1,0
4.2	Three of them are performed	3			
4.3	Less than three are performed	1			
5	Supervision and control of fish resources				
5.1	Performed everyday	5	0,5		
5.2	Performed once a week	3		1	0,5
5.3	Performed once a month	1			
6	Implementation of fish quarantine				
6.1	Performed everyday	5			
6.2	Performed once a week	3	0,5	1	0,5
6.3	Performed once a month /not performed at all	1			
7	Implementation of harbourmaster activities				
7.1	Performed everyday	5			
7.2	Performed once a week	3	0,5	1	0,5
7.3	Performed once a month /not performed at all	1			
8	Publication of docked and mooring services of fishing vessels/supervisory vessels		0,5		
8.1	Performed once a month	5		1	0,5
8.2	Performed once a quartal	3			
8.3	Performed once a year	1			
9	Monitoring of coastal area				
9.1	Performed everyday	5			
9.2	Performed once a week	3	0,5	1	0,5
9.3	Performed once a month /not performed at all	1			
10	Enviromental control		0,25	1	0,25

10.1 Performed everyday	5
10.2 Performed once a week	3
10.3 3 Performed once a month	1
Total weight	7,5
Score value	14
Value should be	50
Conformity value (Tf)	28%

Source: research data

$$Tf (\%) = \frac{\text{Score value}}{\text{Value should be}} \times 100\%$$

$$Tf (\%) = \frac{14}{50} \times 100\%$$

$$Tf(\%) = 28\%$$

Referring to Table 5. The rate of functioning of the PPI Bonto Bahari, Maros Regency based on government functions, got an acquisition value of 14 where the value should be 50. So that the rate of functioning of the PPI Bonto Bahari Maros Regency based on government functions is included in the category $\leq 50\%$ not functioning, which means that almost or all of the government functions of the PPI Bonto Bahari are not functioning based on PER.08/MEN/2012 concerning

fishing ports with indicators assessment is fishing port type D.

Business function

Business function according to PER.08/MEN/2012 is a function for adalah fungsi for implemented business in the form of the provision and / or services of fishing vessels and related services in fishing port. Calculation of the level of functioning of the Bonto Bahari PPI Maros Regency based on the function of exploitation can be seen in Table 7.

Table 7. The functioning rate of PPI Bonto Bahari Maros Regency according to business function

No	Criteria in Value	Sub Criteria Value	Weight Criteria	Score Value	Weight Value
1	Mooring of ships service				
	11.1 There are many moorings of ship (≥ 20 ships)	5	1,0	5	5,0
	11.2 There are some moorings of ship (10–19 ships)	3			

No	Criteria in Value	Sub Criteria Value	Weight Criteria	Score Value	Weight Value
	11.3 There are a bit moorings of ship (< 10 ships)	1			
2	Loading and unloading fish services				
	12.1 Very fast loading and unloading (≤ 2 hours)	5	0,5	3	1,5
	12.2 fast loading and unloading (3-5 hours)	3			
	12.3 Slow loading and unloading (> 5 hours)	1			
3	Fish processing services				
	13.1 Facility capacity more than fish landed	5			
	13.2 Facility capacity enough more than fish landed	3	0,5	1	1,5
	13.3 Facility capacity are less than fish landing/facility are not available	1			
4	Marketing and distribution of fish				
	14.1 Marketing and distribution are performed	5	0,5	1	1,5
	14.2 Marketing or distribution are performed	3			
	14.3 Not marketing and distribution activities	1			
5	Land use and facilities				
	15.1 very high utilization ($\geq 50\%$)	5		5	1,25
	15.2 High utilization (<50%- $\geq 25\%$)	3	0,25		
	15.3 Low utilization (<25%)	2			
6	Repair and maintenance of ship				
	16.1 Vessel repair/maintenance is very large (>5 ships/day)	5	0,5	1	0,5
	16.2 Vessel repair/maintenance is a bit (3 – 5 ships/day)	3			
	16.3 Very few ship repair and/or maintenance activities (<3 ships / day)	1			
7	Ship logistics and supply services				
	17.1 All available (fuel, ice, clean water, food available)	5	1,0	1	1,0
	17.2 Partially available (3 of them available)	3			
	17.3 Less available (less than 3 available)	1			

No	Criteria in Value	Sub Criteria Value	Weight Criteria	Score Value	Weight Value
8	Marine tourism				
	18.1 All available (diving, sailing, snorkeling , fishing available)	5	0,25	1	0,25
	18.2 Some available	3			
	18.3 Not available	1			
9	Other services				
	19.1 There are 2 other services	5	0,25	1	0,25
	19.2 There is 1 other service	3			
	19.3 No other services	1			
Total weight					12,75
Score values					20
Value should be					50
Conformity value (Tf)					40%

Source: research data

$$Tf (\%) = \frac{\text{Score value}}{\text{Value should be}} \times 100\%$$

$$Tf (\%) = \frac{20}{50} \times 100 \%$$

$$Tf (\%) = 40 \%$$

Referring to Table 6. The level of functioning of the PPI Bonto Bahari, Maros Regency based on the concession function, obtained an score value of 20 where the value should be 50. So that the rate of functioning of the PPI Bonto Bahari Maros Regency based on business functions is included in the category of $\leq 50\%$ not functioning, which means that almost or the whole part of the business function of the PPI Bonto Bahari Maros Regency is not functioning based on PER.08/MEN/2012 concerning fishing ports with an assessment indicators is fishing port type D.

Government function of PPI Bonto Bahari

Based on the analysis of government functions contained in the PPI Bonto Bahari, Maros Regency referring to PER.08/MEN/2012, only three of the ten functions of government are: functioning, data collection catches & fishery products, monitoring and controlling fish resources and monitoring coastal areas.

The government function at PPI Bonto Bahari, Maros Regency is not running optimally due to the lack of facilities and lack of coordination and management between PPI managers. Based on observations, it is shown that the previous PPI manager, namely the Marine and Fisheries Service of Maros Regency, seemed to have given up on the management of PPI Bonto Bahari, Maros Regency after the transfer of authority, while the current manager,

namely the Department of Maritime Affairs and Fisheries of South Sulawesi Province, experienced problems when managing the PPI because of the number of officers. to manage this PPI is still very limited with a fairly large work area. In addition, the minimal amount of budget funds provided has hampered the management of PPI Bonto Bahari, Maros Regency.

Needs for good collaboration and coordination between the two parties as port managers in managing the PPI so that the government functions at PPI Bonto Bahari, Maros Regency can run optimally.

Business function of PPI Bonto bahari

Based on the analysis of the exploitation functions contained in the PPI Bonto Bahari, Maros Regency, referring to PER.08/MEN/2012, there are only four of the nine business functions are functioning: mooring and anchoring services, land use and facilities, fish loading and unloading services, and marketing. and fish distribution.

The rate of functioning of the PPI Bonto Bahari, Maros Regency based on the exploitation function, obtained a conformity level value (tf) of 40%. So that the level of functioning of the PPI Bonto Bahari Maros Regency based on the concession function is included in the category $\leq 50\%$ not functioning.

The rate of functioning of the PPI Bonto Bahari, Maros Regency based on the exploitation function, obtained a conformity level value (tf) of 40%. So that the level of functioning of the PPI Bonto Bahari Maros Regency based on the concession function is included in the category 50% not functioning.

The business function at PPI Bonto Bahari, Maros Regency is not running well due to the unavailability of existing facilities and inadequate facilities which cause PPI Bonto Bahari, Maros Regency to not be able to carry out its functions optimally.

Based on the results of interviews with fishermen that there are more fishermen who doing the activities at TPI Labuang compared to PPI Bonto Bahari, Maros Regency because the facilities there are more adequate, if the facilities at PPI Bonto Bahari Maros Regency are adequate, of course, it is very easy for fishermen so they don't have to go far to TPI Labuang to do their activities. activities such as mooring, loading and unloading, as well as marketing and distribution of fish considering that in the PPI area, namely Pajukukkang Village, Bontoa District 80% of the population works as fishermen. If a large number of fishermen are docked, unloaded, and marketed their catch at PPI, it can certainly attract buyers at PPI Bonto Bahari, Maros Regency.

CONCLUSION

After conducting research on the Study of the Government Functions and Business Function Of Bonto Bahari Fish Landing Base (PPI) in Bontoa District, Maros Regency, South Sulawesi Province, it can be concluded that:

1. for the function of government there are only three of ten functions are implemented is catch & fishery data collection, supervision and control of fish resources and monitoring of coastal areas and business function there are only four of nine functions are implemented is mooring services, utilization of land and facilities, fish loading and unloading services, and marketing and distribution of fish,
2. the functioning rate for ten government functions is 28% suitability value, for nine business functions is 40% suitability value, these two functions are included in the category of $\leq 50\%$ non-functioning. The conclusion is that the government function and the business function at PPI Bonto Bahari Maros Regency are not running generally as its function.

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