Status enhancement study of Fish Landing Base of Labuhanhaji become the national fishing port

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Abstract. This study aimed to review the status enhancement of Fish Landing Base (PPI) of Labuhanhaji. This study had been done from April until Mei 2018 in PPI Labuhanhaji, Aceh Selatan. The data were collected through interviewing to fishermen, the fish seller in PPI Labuhanhaji, and stakeholder of Marine and fisheries department in Aceh Selatan. The status enhancement was analyzed by comparative descriptive analysis, which was comparing the current operational technical activities in Labuhanhaji Fish Landing Base (PPI) with the operational technical criteria of Nusantara Fisheries Port (PPN) based on the Minister regulation of Maritime and Fisheries minister Number PER.08/MEN/2012 concerning about Fisheries Port. The study result showed that Labuhanhaji Fish Landing Base (PPI) not yet fulfilling the criteria for status enhancement, from the 8 criteria established under the minister regulation Number PER.08/MEN/2012 Labuhanhaji Fish Landing Base (PPI) had only fulfilled 6 criteria. 2 more criteria about fishing catch (production) should 30 tons per day and fisheries port land should ≤ 10 ha can not be fulfilled by Labuhanhaji Fish Landing Base (PPI) because maximum fishing catch (production) PPI Labuhanhaji less 30 tons per day (only 20 tons per day) and fisheries port land only 3 ha.

1. Introduction
Development activities in the capture fisheries and coastal area management include enhancing fisheries facilities and infrastructure. Increased facilities such as the procurement of fishing equipment, boat engines, and ship engines. While the construction of fisheries infrastructure is aimed at the construction and rehabilitation of Fish Landing Base (PPI) or Fish Landing Place (TPI) [1]. One of the ports in South Aceh is PPI Labuhan Haji. According to the statement from the Head of the PPI Labuhanhaji (UPTD), it was a type D of fisheries port, which was planned to become type B the Nusantara Fisheries Port (PPN) by the South Aceh regional government.

The development of the PPI is intended to overcome the limitations of existing fishing facilities and infrastructure and improve operational services for users, the quality of facilities and infrastructure will also facilitate users in carrying out activities at the fishing port. It is also expected to increase the economy of other sectors such as trade, tourism, and industry. Effectiveness and efficiency the fishing port was complete if the fishing boat does not wait for long in waters, can perform loading and unloading quickly and it is supported by facilities equipment or facilities and adequate infrastructure because it is very important for shipping companies [2]. According to Hanan [3], good operational attendance can improve and facilitate operational activities such as fishing boat visits, fish landings,
and auctions. The study about enhancement the capacity of functional facilities through minapolitan program in Nusantara Fishing Port (PPN) Pekalongan showed that internal factors of the fishing port will support Minapolitan program, the most important are the skill of human resources, government's support for the program Minapolitan, facilities, and infrastructure in PPN Pekalongan [4].

Based on the plan from the South Aceh district government regarding the planning of changing the status of Fish Landing Base (PPI) become Nusantara Fisheries Port (PPN), it is important to be studied in this work. This study aimed to review the status enhancement of Labuhanhaji Fish Landing Base (PPI) in terms of the operational technical aspects specified in PER.08/MEN/2012 [5].

2. Methods
This study had been done from April until Mei 2018 in Labuhanhaji Fish Landing Fish (PPI), Aceh Selatan. The data were collected through interviewing to fishermen, the fishmonger in PPI Labuhaji, and stakeholder of Marine and fisheries department in Aceh Selatan. The status enhancement was analyzed by comparative descriptive analysis, which was comparing the current operational technical activities in PPI Labuhanhaji with the operational technical criteria of Nusantara Fisheries Port (PPN) based on the Minister regulation of Maritime and Fisheries minister Number PER.08/MEN/2012 concerning about Fisheries Port [5]. The criteria at the Nusantara Fisheries Port (PPN) are:

   a. Technical criteria consists of:
      1. Fishing boats serve the fishing activities in Indonesian waters and ZEEI
      2. The jetty length and port pool depth are minimum 150 m and 3 m
      3. Having a minimum land of 10 ha
      4. Having an anchor facility for fishing boat minimum 30 GT
      5. Able to accommodate minimum of 75 units fishing boat or ≥ 2,250 GT

   b. Operational criteria consists of:
      1. The average number of fish landed is 30 tons per day, and
      2. There are fish processing and other supporting industries.

3. Results and Discussion
The research result showed that Labuhanhaji Fish Landing Base (PPI) not yet fulfilling the criteria for status enhancement to be Nusantara Fisheries Port (PPN).

   Based on table 1 showed that the length of the jetty in PPI Labuhanhaji is 164 m with a depth of jetty is 8 m, the size has exceed the standard size based on existing criteria. The depth of the port pool is -4 m if it is high tide and -3 m at low tide, this value has fulfilled the standard criteria based on PER.08 / MEN / 2012, which Nusantara Fishing Port (type B) must have depth port pool at the lowest tide 3 m. The land area of PPI Labuhanhaji is ± 3 ha, the size of the land is still very far from the standard criteria Nusantara Fishing Port based on PER.08 / MEN / 2012 with a minimum area of 10 ha. PPI Labuhanhaji has a large land area located in the port environment but the land has not yet become the government's property because it is still property community. The land can be an alternative for development fishing port, which is to development of facilities and infrastructure. Zain [6] said that the efforts for the development of fishing port are the legality of the business, adding infrastructure and improve the quality of fish handling.

   The Fishing ground of PPI Labuhanhaji is included in the 571 RI WPP (northern Sumatera waters), Malacca and Andaman waters. The results of interviews fishermen, fishing boat > 30 GT like as purse seine has fishing ground about 150 miles to the south of Sabang island, eastern Simeulue waters nearing the Indonesian Exclusive Economic Zone (ZEEI) 200 miles offshore. Fishing boat in PPI Labuhanhaji has various sizes, that are Outboard Motor (MT) and Motor Ship (KM) 5 GT - 30 GT. PPI Labuhan Haji has anchoring facility activities ≥ 30 GT and able to accommodate ≥ 75 units fishing boat or ≥ 2,250 GT.
Table 1. Comparing the current operational technical activities in Labuhanhaji PPI with the operational technical criteria of PPN based on the Minister regulation of Marine and Fisheries minister Number PER.08/MEN/2012

| No. | PPN (type B) | PPI Labuhanhaji (type D) | According to the Criteria (√) |
|-----|--------------|--------------------------|-------------------------------|
| 1.  | The Length of jetty ≥ 150 m | The Length of jetty 164 m | ✓                            |
| 2.  | The depth of port pool min 3 m | The depth of the port pool is lower than 3 m | ✓                            |
| 3.  | Having a minimum land of 10 ha | Having a land area of 3 ha | -                            |
| 4.  | Serving fishing boat to the ZEEI area (200 mils) | Serving fishing boat to the ZEEI area (200 mils) | ✓                            |
| 5.  | Having an anchoring facility ≥ 30 GT | Having an anchoring facility ≥ 30 GT | ✓                            |
| 6.  | Able to accommodate ≥ 75 units fishing boat or ≥ 2,250 GT | Able to accommodate at least ≥ 75 units fishing boat or ≥ 2,250 GT | ✓                            |
| 7.  | The average number of fish landed is about 30 tons per day | The average number of fish landed is about 20 tons per day | -                            |
| 8.  | There are fish processing and other supporting industries | There are 11 units fish processing and other supporting industries | ✓                            |

Figure 1. The jetty Of PPI Labuhanhaji

The average number of fish landed at PPI Labuhan Haji is about 20 tons per day, this did not really sit with PER.08 / MEN / 2012. According to Hanan [6], high production is expected to maintain the sustainability of fishing industry activities which directly affect the continuity of fishery product production. Continuous fish production is needed to be able to maintain economic stability in a port area. If it is not optimal, the landed catches are related to several factors, namely, some ships have not or almost never report a lot of their catches, and also the lack of the UPTD's role in socializing the importance of collecting data for the progress of a fishing port.

There are 11 units of salted fish processing in PPI Labuhanhaji, but which are active and functioning only 4 processing units. Processing of fishing catch in the form of processed salted fish as well as semi-finished products such as fillet fish which will be sold outside regions such as Meulaboh.
and Banda Aceh are managed in groups consisting of 4 groups, with 1 coordinator and each group has its own chairman. Based on the criteria PER.08 / MEN / 2012 to become Nusantara Fishing Port, the processing facility for fishing catch is one of the criteria that must be in the fishing port for the type B, so that the PPI Labuhanhaji has fulfilled these requirements to become PPN.

4. Conclusion
The research result showed that Labuhanhaji Fish Landing Base (PPI) not yet fulfilling the criteria for status enhancement to be Nusantara Fisheries Port (PPN), from the 8 criteria established under the minister regulation Number PER.08/MEN/2012 Labuhanhaji Fish Landing Base (PPI) had only fulfilled 6 criteria. Two (2) more criteria about fishing catch (production) should 30 tons per day and fisheries port land should ≤ 10 ha can not be fulfilled by Labuhanhaji Fish Landing Base (PPI) because maximum fishing catch (production) PPI Labuhanhaji less 30 tons per day (only 20 tons per day) and fisheries port land only 3 ha.

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