

**DIRECTORATE GENERAL OF CAPTURE FISHERIES  
MINISTRY OF MARINE AFFAIRS AND FISHERIES**



**JAPAN INTERNATIONAL COOPERATION AGENCY**



**JICA Project : Enhancement of Marine and Fisheries Administration  
Under the Decentralization**

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**INDONESIAN FISHING PORTS**  
DIRECTORATE GENERAL OF CAPTURE FISHERIES (DGCF), MINISTRY OF MARINE AFFAIRS AND FISHERIES (MAMF)  
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



**INDONESIAN FISHING PORTS**



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## FOREWORD

**F**ishing port is part of the fisheries business system in Indonesia. It is a sub system that provides multi services for fishing activities as well as management of fisheries resources. According to the article 4 of Ministerial Decree No.16/MEN/2006 on Fishing Port stipulates that fishing port is functioned to support management of fisheries resources and its environment covering pre-production, production, post-harvest and marketing activities. Its multi services have creating multi sector linkages which economically prime moving local and regional economy.

Realizing fishing port significance roles, Ministry of Marine Affairs and Fisheries established Directorate of Fishing Port under Directorate General of Capture Fisheries. The Directorate of Fishing Port main duty is to develop fishing ports throughout Indonesia. The importance is also reflected in the Indonesia Fishing Port Development Program as one among seven Capture Fisheries Programs.

Indonesia fishing ports are grouped into four classes: (a) Oceanic Fishing Port, (b) Archipelagic Fishing Port, (c) Coastal Fishing Port and (d) Fish Landing Center. In 2008, totaling 813 fishing ports exist, whereas 792 of them are managed by regional government through decentralization program.

The book "Indonesian Fishing Ports" published under the Bilateral Cooperation between Ministry of Marine Affairs and Fisheries (MMAF) and Japan International Cooperation Agency (JICA) exhibits the 21 fishing ports that are directly supervised by Directorate General of Capture Fisheries, as well as the selected information on law/regulation, the regional government managed fishing ports and the business procedures.

This book provides insight of main fishing ports in Indonesia for your business purpose.

Jakarta, March 2008

**Dr. Ir. Ali Supardan, M.Sc.**

Director General of Capture Fisheries  
Ministry of Marine Affairs and Fisheries  
The Republic of Indonesia

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# PROFILE OF DGCF

## The DGCF

Indonesia is an archipelagic country rich in marine fish resources. The potential yield of marine fish resources is about 6.4 million ton per year allowing the total allowable catch up to 5.1 million ton per year which is equivalent to 80% of sustainable potential. On the other fisheries, the potential of fish resources in inland waters are also abundant, covering river, lake and other inland water bodies. In total 54 million hectare of inland waters there are 39.4 million hectare of swamp (71.63%), 11.95 million hectare of river (22.13%), and 2.1 million hectare of lake and reservoir (3.89%). In 2004, the fisheries production from inland waters reached at 0.31 million ton, although the inland waters potential was estimated to be 4.96 million ton per year (Research of Marine and Fisheries Agency, 2005).

Capture fisheries is one of the important sub-sector of marine and fisheries. In the years from 2002 to 2004, its annual growths are 4.53% in capture, 21.42% in export volume at, 1.59% in foreign income and 7.59% in human resources.

## Capture Fisheries Development Policy

To utilize marine fish resources optimally, Directorate General of Capture Fisheries (DGFC) has established the development vision of "Sustainable, Strong, and Self Reliance of Indonesian Capture Fisheries Industry in 2020". The vision rendered to the synergic missions of:

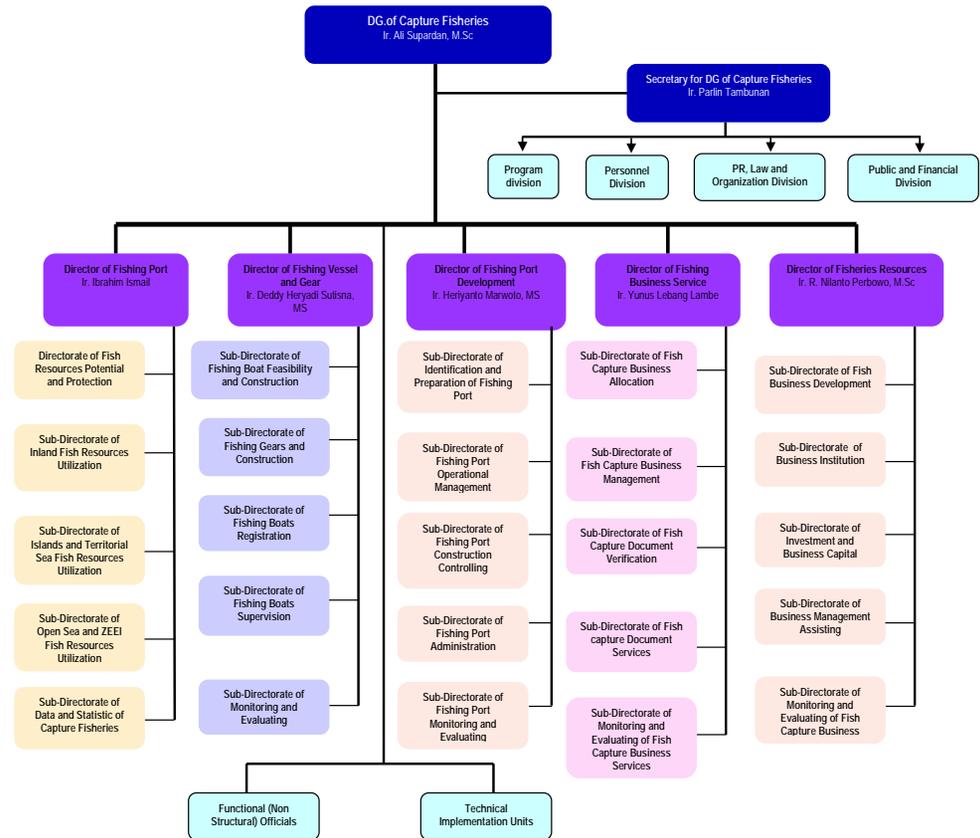
- (1) to manage the sustainability of fish resources,
- (2) to develop infrastructure supply in fishing port,
- (3) to strengthen the national fishing fleet,
- (4) to develop the capture fisheries,
- (5) to increase welfare and prosperity of fishers.

Based on the vision, mission and Mid-term Development Plan (RP JMN) 2004-2009, the capture fisheries policy is aimed to:

- (1) generate national fisheries industry,
- (2) actualize rationalization, nationalization and modernization of fishing fleet to grow the domestic industry, local fishermen and national fisheries,
- (3) implement the fisheries management which oriented to the sustainable environment and rightness,
- (4) support the local government in optimizing the sustainable resources potential,
- (5) rehabilitate and reconstruct the disaster locations.

Based on Mid-term Development Plan (RP JMN) 2004-2009, the policy of capture fisheries development programs have been arranged and implemented. The regular and strategic programs consist of fisheries-revitalization program, small-scale capture fisheries development program, sustainable fish resources development program, fishing vessel and fishing gears development program, fishing port development program, fishing business service program, and capture fisheries statistics program.

## Organization Structure of DGCF



## LEGAL ASPECT

### Basic Laws on Fishing Port Management

- 1) Law No 31 Year 2004 regarding Fisheries
- 2) Government Regulation No 23 Year 2000 regarding Public Corporation of Oceanic Fishing Infrastructure
- 3) Government Regulation No 62 Year 2002 regarding Tariff on Type of tax non income prevails on Ministry of Marine Affairs and Fisheries.
- 4) Government Regulation No 19 Year 2006 regarding the Alteration on Government Regulation No 62 Year 2002 regarding Tariff on Type of tax non income which prevails on Ministry of Marine Affairs and Fisheries.
- 5) Regulation of Minister of Marine Affairs and Fisheries No PER.16/MEN/2006 regarding Fishing Ports.
- 6) Regulation of Minister of Marine Affairs and Fisheries No PER.01/MEN/2007 regarding Controlling on Quality Guarante System and Safety of Fisheries Catches
- 7) Regulation of Minister of Marine Affairs and Fisheries No PER.06/MEN/2007 regarding Organization and Working System of Fishing Ports.
- 8) Regulation of Minister of Marine Affairs and Fisheries No PER.05/MEN/2008 regarding Capture Fisheries Business
- 9) Decree of Minister of Marine Affairs and Fisheries No KEP.19/MEN/2006 regarding Assignment of Harbor Master in Fishing Ports
- 10) Decree of Minister of Marine Affairs and Fisheries No KEP.01/MEN/2007 regarding Requirements of Quality Guarantee and Safety of Fisheries Catches at Process of Production, Processing and Distribution
- 11) Decree of Director General of Fish Capture No. 4356/DJPT/KP.440.D3/X/2006 regarding Guidelines of Harbor Master Assignment in Fishing Ports

### Fishing Ports under DGCF

REGULATION  
MINISTRY OF MARINE AFFAIRS AND FISHERIES OF THE REPUBLIC OF INDONESIA  
NO. PER.06/MEN/2007  
REGARDING  
ORGANIZATION AND WORKING SYSTEM OF FISHING PORT  
MINISTER OF MARINE AFFAIRS AND FISHERIES OF THE REPUBLIC OF INDONESIA,

Attachment: Regulation of Minister of Marine Affairs and Fisheries  
No. PER.06/MEN/2007 regarding Organization and Working System of  
Fishing Port

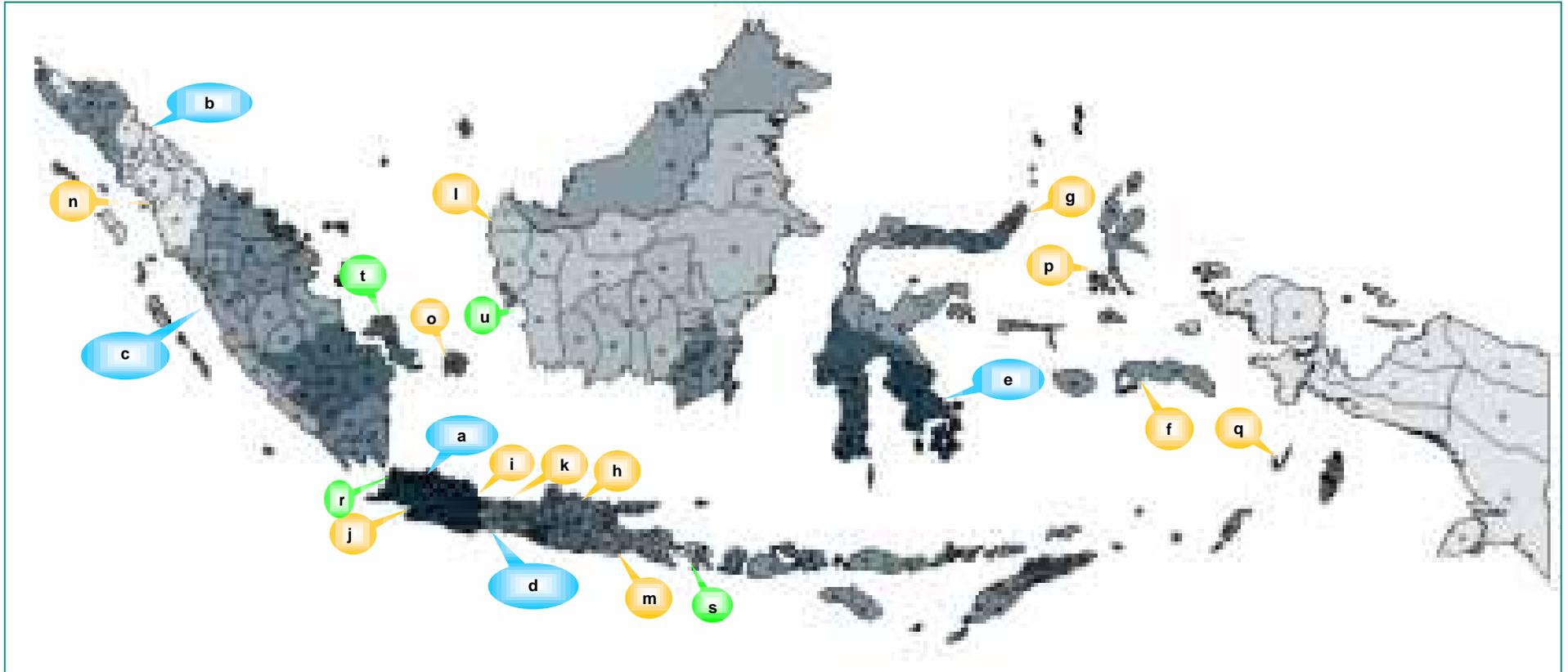
TYPE	NAME	LOCATION	PROVINCE
<b>Oceanic Fishing Port</b>	1. Nizam Zachman	Jakarta	DKI Jakarta
	2. Kendari	Kendari	Sulawesi Tenggara
	3. Belawan	Belawan	Sumatera Utara
	4. Bungus	Bungus	Sumatera Barat
	5. Cilacap	Cilacap	Jawa Tengah
<b>Archipelago Fishing Port</b>	1. Sibolga	Sibolga	Sumatera Utara
	2. Tanjung Pandan	Tanjung Pandan	Bangka Belitung
	3. Palabuhan Ratu	Pelabuhan Ratu	Jawa Barat
	4. Kejawanan	Kejawanan	Jawa Barat
	5. Pekalongan	Pekalongan	Jawa Tengah
	6. Brondong	Brondong	Jawa Timur
	7. Prigi	Prigi	Jawa Timur
	8. Pemangkat	Pemangkat	Kalimantan Barat
	9. Ternate	Ternate	Maluku Utara
	10. Ambon	Ambon	Maluku
	11. Tual	Tual	Maluku
	12. Bitung	Bitung	Sulawesi Utara
<b>Coastal Fishing Port</b>	1. Karangantu	Karangantu	Banten
	2. Teluk Batang	Teluk Batang	Kalimantan Barat
	3. Sungailiat	Sungai Liat	Bangka Belitung
	4. Pengambangan	Pengambangan	Bali

MINISTER OF MARINE AFFAIRS AND FISHERIES  
REPUBLIC OF INDONESIA,

FREDDY NUMBERI



# DISTRIBUTION OF FISHING PORTS UNDER DGCF



Code	Port	Page
a	Nizam Zachman – Jakarta	9
e	Kendari	15
b	Belawan – Medan	21
c	Bungus – Padang	27
d	Cilacap	33
n	Sibolga	39

Code	Port	Page
o	Tanjung Pandan – Belitung	45
j	Pelabuhan Ratu – Sukabumi	51
i	Kejawanan – Cirebon	57
k	Pekalongan	63
h	Brondong – Lamongan	69
m	Prigi – Trenggalek	75

Code	Port	Page
l	Pemangkat – Sambas	81
p	Ternate	87
f	Ambon	93
q	Tual – Maluku Tenggara	99
g	Bitung	105
r	Karangantu – Serang	111

Code	Port	Page
u	Teluk batang – Ketapang	117
t	Sungailiat – Bangka	123
s	Pengambengan – Jembrana	129



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# 1. OCEANIC FISHING PORT NIZAM ZACHMAN - JAKARTA



Address : Jl. Muara Baru Ujung – North Jakarta,  
 Phone : 021-6617865 Fax. : 021-6617868  
 Email : Website : [www.jakartafishport.com](http://www.jakartafishport.com)  
 Contact : Ir.A.Bambang Sutejo



Map of Port Access and Its Surrounding Areas



Location	Area (Km2)	Total Population	Population Growth (%)	GRDP at current Price (Million)	Growth (%)	Source
DKI Jakarta Province	740.29	8,700,000	0.80 (2000-2005)	377,159.110 (2004)	12.80	Statistics (2005/2006)
Jakarta Utara City	137	1.181.096	0,55 (1990-2000)	55,395,651 (2005)	14.47	Dalam Angka 2006

## I. CONDITION OF ENVIRONMENT

Oceanic Fishing Port of Nizam Zachman in Jakarta locates at:

- a. River/Bay/Beach : Jakarta Bay  
 b. Province : DKI Jakarta  
 c. Regency/City : North Jakarta  
 d. District : Penjaringan  
 e. Village/Sub-District : Sub-District Penjaringan  
 f. Geographic Position : 106° 48' 15" E. longitude 106° 47' 54" E. longitude  
106° 48' 14" E. longitude 106° 47' 44" E. longitude  
06° 06' 18" S. latitude 06° 06' 20" S. Latitude  
06° 05' 32" S. latitude 06° 05' 34" S. latitude  
 g. Distance toward : Capital City of Province: 9 km, Capital City of Regency/City : 7 km,  
 District : 3 km

## II. FACILITIES IN PPS NIZAM ZACHMAN JAKARTA

Oceanic fishing port of Nizam Zachman is one of the biggest fishing ports in Indonesia, located in western part of Tanjung Priok International Port – Jakarta. This port is 111 Ha in area and is completed with following facilities:

**Table 1.1 Facilities in Nizam Zachman Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Port Area	111 Ha	7. Genset	2.600 KVA
2. Water Depth	-7.5, -6, -4.5 M'	8. Winch House	64 M'
3. Pier	1.924 M'	9. Repair Station	450 M'
4. Jetty	300 M'	10. Fishermen Building	736,50 M'
5. Port Pond	40 Ha	11. Port Officer Office	40 M'
6. Breakwater	1.041 M'	12. Administration Office	1.207,3 M'
7. Revetment	3.259 M'	13. Parking Area	7.670 M'
8. Complex Road	53.258 M'	14. Fork Lift	8 Unit
<b>B. Functional Facilities</b>			
1. TPI	3.367 M'	15. IPAL	1 Unit
2. Fish Market	6.431 M'	16. SSB	2 Unit
3. Ice Factory	200 Ton/day	17. Cold Storage	1.000 Ton/day
4. Freshwater Tank	1.250 M'	18. Slipway	50 & 500 GT/unit
5. Fuel Tank	2.000 M'	<b>C. Supporting Facilities</b>	
6. Electricity	5.377 KVA	1. Guest House	480 M'
		2. BAP Shops	1.102 M'

## III. OPERATIONAL DATA OF PPS NIZAM ZACHMAN

In the past 5 years, the operation of Nizam Zachman fishing port was fluctuating but in general indicated a slight declining tendency due to the decreasing fish capture potential in Java Sea and its vicinity areas.. Indicators gained from various operational activities of Nizam Zachman, such as the number of fishermen, fishing gears and utilization of ice, fuel and water, are as follow:

**Table 1.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Nizam Zachman Fishing Port**

YEAR	FISHING GEAR (Unit)	DISTRIBUTION		
		ICE (Ton)	FUEL (Ton)	WATER (Ton)
2001	6.115	199.464	144.835	506.508
2002	5.521	177.658	141.038	477.735
2003	4.336	104.888	124.768	450.694
2004	4.080	97.582	123.440	583.780
2005	4.045	88.837	108.405	559.617
2006*	973	23.899	20.722	94.534

\* ) Data up to March 2006

Thus likewise the catches and its value are also decreasing as shown in the table below:

**Table 1.3 Fishing Activity, Production and Value Products in Nizam Zachman Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	6.815	69.175.50	241.308.879.91	189.521.92
2002	5.950	55.544.53	193.759.182.36	152.176.79
2003	4.856	37.539.56	130.951.722.70	102.848.11
2004	4.636	40.725.80	142.066.153.21	111.577.53
2005	4.598	39.890.88	139.153.653.70	109.290.08
2006*	1.107	30.348.85	105.867.641.00	83.147.53

The dominant fish catches:

Eastern little tuna, Spanish mackerel, Yellow fin tuna, Big eye tuna, Squid and Cuttle fish, Red snapper

\* ) Data up to March 2006

## IV. LAND OF FISHING INDUSTRY AT 400,000 M<sup>2</sup>

Even though the port operation decreases, Nizam Zachman still has very huge industry potential. About 40 fisheries companies are in this port industrial area, excluding the other fisheries companies in DKI Jakarta and its surroundings beyond port area.

**Table 1.4 Fisheries Companies, Main Activity and Land Usage in Industrial Area of Nizam Zachman Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Panulan Minasabha	Office & Shops	8.037
2	PT. Kurnia Mina Sejahtera	Fisheries Industrial Facilities	5.305
3	PT. Sandimas Gapura	Fisheries Facilities	18.038
4	PT. Muara Manggalindo	Fisheries Industry & Supporting Facilities	18.353
5	PT. Jakarta Coldstorage Industri	Processing & cold storage	2.722
6	PT. Luxe Utama Indonesia	Processing & cold storage	3.144
7	PT. Lola Mina	Processing & cold storage	7.217
8	PT. Bumi Agro B. Lestari	Processing & cold storage	2.508
9	PT. Durian Sari Wangi	Processing & cold storage	2.422.5
10	PT. Danau Matano P. Raya	Processing & cold storage	13.892
11	PT. Mitra Mina Segara	Processing & cold storage	1.710

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
12	PT. Fajar Cakrawala Sumbindo	Processing & cold storage	7.980
13	PT. Unggul Mina Lestari	Processing & cold storage	1.710
14	PT. Intimas Surya	Processing & cold storage	2.508
15	PT. Sumbindo Perintis	Processing & cold storage	2.910
16	PT. Sandimas Aquatek	Processing & cold storage	16.165
17	PT. Alam Jaya	Processing & cold storage	1.980
18	Agus Wijaya	Processing & cold storage	1.980
19	PT. Pertuni	Processing, cold storage & restaurant chain	16.807
20	PT. Safritindo Dwisantosa	Processing, cold storage & canning	19.327
21	PT. Lucky Samudra	Processing & canning	21.100
22	PT. Lautan Bahari Sejahtera	Processing on exported tuna fish fillet	2.422.5
23	PT. Hotan Jaya Graha	Fisheries Industry, cold storage & ice factory	16.900
24	PT. Bali Sumber Hayati	All catches management & processing Industry	1.740
25	PT. Bangkit Lautan Mas	All catches management & processing Industry	1.300
26	PT. Tridaya Eramina Bahari	All catches management & processing Industry	1.300
27	PT. Gabungan Era Mandiri	All catches management & processing Industry	1.740
28	PT. Red Ribbon Indonesia	All catches management & processing Industry	2.345
29	PT. Daya Mulur Karetindo	All catches management & processing Industry	2.345
30	PT. Bahtera Laju Khatulistiwa F.	All catches management & processing Industry	15.000
31	PT. Karya Cipta Bayu Mina P.	All catches management & processing Industry	3.196
32	PT. Sekar Laut	All catches management & processing Industry	6.240
33	PT. Kedamaian	All catches management & processing Industry	2.599
34	PT. Halimas Sakti	All catches management & processing Industry	2.600
35	PT. Pumar Cold	All catches management & processing Industry	6.130
36	PT. Dwisanda Senjaya	All catches management & processing Industry	3.880
37	PT. Luki Rejeki Jayadi	All catches management & processing Industry	3.126
38	PT. Panggung Enterprise	All catches management & processing Industry	5.632
39	PT. Bonecom	All catches management & processing Industry	67.840
40	PT. Proskoneo Kadarusman	Manufacturing Industry of repair / maintenance of Boat & dockyard	17.000
Total			339.151

**V. BOATS DOMICILE IN PPS NIZAM ZACHMAN JAKARTA**

All the boats that domicile and operate in Nizam Zachman are inboard powered boats, and generally having a big capacity. There is neither any outboard powered boat nor any non-powered boat.

**Table 1.5 Fishing Boat Capacity (GT) and It's Total in Nizam Zachman Fishing Port**

YEAR	IN-BOARD POWERED BOAT (Unit)						
	< 10 GT	10–20 GT	20–30 GT	30–50 GT	50–100 GT	100–200 GT	> 200 GT
2001	105	69	219	118	314	559	59
2002	75	70	241	97	341	601	53
2003	92	49	252	43	467	312	43
2004	58	38	245	64	449	300	52
2005	48	32	271	58	471	314	54

**VI. LOGISTIC**

Some logistic supplies such as water and ice in this port have not yet sufficiently fulfilled to match its needs. While, the fuel supply has already been sufficient.

**Table 1.6 Logistic Supply and Demand in Nizam Zachman Fishing Port**

SUPPLY	DEMAND Ton/Day	FULFILLED Ton/Day	SHORTAGE Ton/Day
Fuel/Diesel Fuel	297	520	-
Kerosene	-	2.61	-
Water	1.533	900	633
Ice	243.4	185	58.4



**Figure 1.1**  
Nizam Zachman Fishing Port



**Figure 1.2 Fish Auction Center in**  
Nizam Zachman Fishing Port



**Figure 1.3 Fish Market in**  
Nizam Zachman Fishing Port



**Figure 1.4 Fish Unloading/ Landing in**  
Nizam Zachman Fishing Port

## 2. OCEANIC FISHING PORT KENDARI – SOUTH EAST SULAWESI

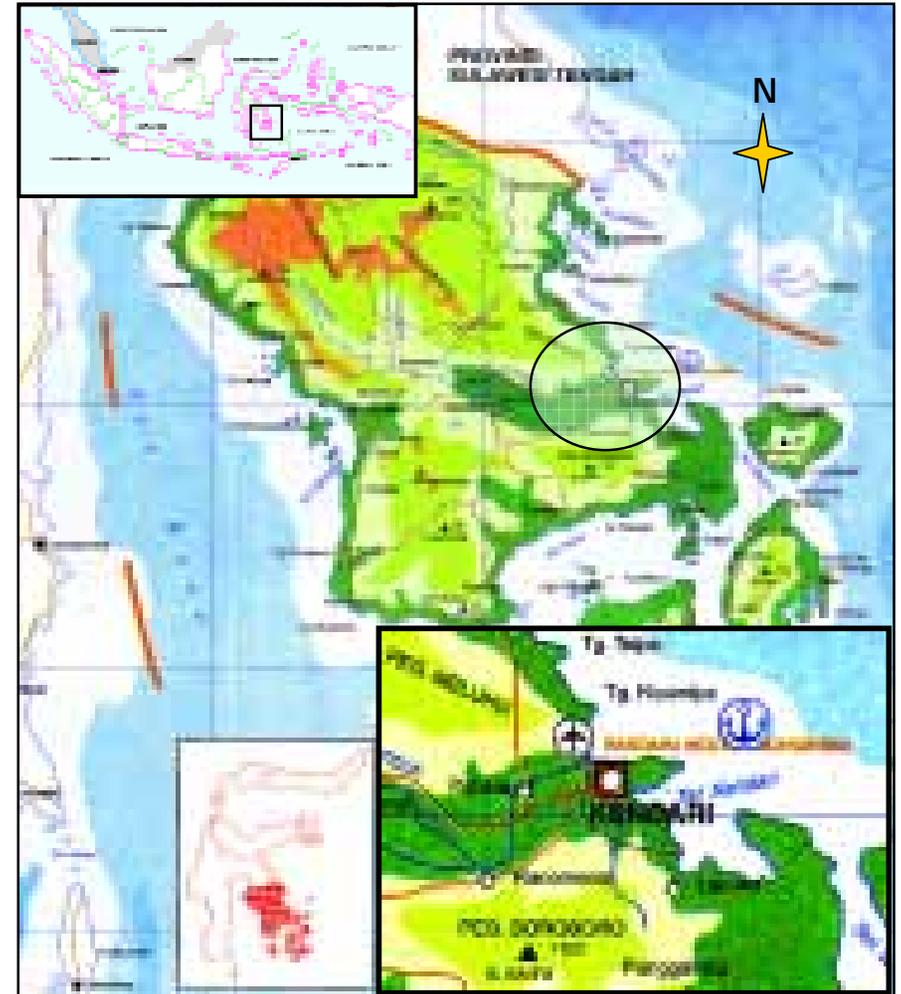


Address : Jl. Samudera No. 1 Puday Po. Box 40 Kendari 93233  
 Phone : 62-401-322010 Fax : 62-401-390868  
 Email : Website :  
 Contact : Ir. Asifus Zahid, B.Sc



Layout 1998 Kendari

Map of Port Access and Its Surrounding Areas



Location	Area (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Southeast Sulawesi	36.757,45	2.086.000	2,76 (2000-2005)	8.908.781 (2003)	10.271.034 (2004)	15,29	Statistics (2005/2006)
Kendari City	295,89	226.000	0,97 (2003-2005)	1.735.570 (2002)	1.902.064 (2003)	9,59	Dalam Angka 2004

## I. ENVIRONMENTAL CONDITION

Oceanic Fishing Port of Kendari locates at:

- a. Bay : Kendari
  - b. Province : Southeast Sulawesi
  - c. Regency/City : Kendari
  - d. District : Abeli
  - e. Village/Sub-District : Puday
  - f. Geographic Position : 03° – 58' – 48" South latitude  
122° – 34' – 17" East Longitude
- g. Distance toward
- Capital City of Province : 12 km
  - Capital City of Regency/City : 12 km
  - District : 3 km

## II. FACILITIES IN PPS KENDARI

Oceanic fishing port of Kendari is the biggest fishing port in Sulawesi, locates in Southeast Sulawesi, facing Flores Sea, Banda Sea and Seram Sea. Its area is more than 37 Ha. Facilities in this fishing port are as follow:

**Table 2.1 Facilities in Kendari Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		7. Genset and Installation	500 KVA
1. Port Area	37,7 Ha	8. Crane Truck	2 Unit
2. Pier		9. Repair Station	375 M <sup>2</sup>
* (-6,0 m)	130 M	10. Fishermen Meeting Hall	720 M <sup>2</sup>
* (-2,5 m)	260 M	11. Administration Office	1.326 M <sup>2</sup>
3. Water Depth	-2,5 ; -6 M	12. Incinerator	14 M <sup>2</sup>
4. Port pond	12,5 Ha	13. MCK	34 M <sup>2</sup>
5. Revetment	130 M	14. Parking Area	1.741 M <sup>2</sup>
6. Complex Road	29.628 M <sup>2</sup>	15. Fork Lift	1 Unit
7. Drainage	7.059 M <sup>2</sup>	16. IPAL	400 M <sup>3</sup> /hari
8. Industrial Kavling:		17. SSB	2 Unit
- utilized	20 Ha	<b>C. Supporting Facilities</b>	
- has not utilized yet	17,7 Ha	1. Fishermen Inn	672 M <sup>2</sup>
<b>B. Functional Facilities</b>		2. Guest House	140 M <sup>2</sup>
1. TPI	600 M <sup>2</sup>	3. Official House	
2. Navigation Sign	2 Unit	Type 70	6 Unit
3. Water Installation	700 KI	Type 120	3 Unit
4. Fuel Tank and Installation	2 x 500 KI	4. Health Clinic	90 M <sup>2</sup>
5. IPAL Installation	400 KI	5. Laboratory Building	8 x 14 M <sup>2</sup>
6. Electricity and Installation	20,67 KVA		

## II. OPERATIONAL DATA IN PPS KENDARI

In the years from 2001 to 2005, the operation of Kendari fishing port was fluctuating. Some indicators of various operational activities in Kendari fishing port, such as the number of fishermen, fishing gear and utilization of ice, fuel, water are as follow:

**Table 2.1 Total Fishing Gear and Utilization of Ice, Fuel and Water in Kendari Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	2.174	71	23.660,5	18.700,5	197.463,9
2002	2.229	68	25.184,6	13.758,0	267.783,8
2003	1.371	162	25.949,7	24.624,3	179.319,7
2004	1.394	177	21.064,4	17.986,2	142.094,5
2005	1.878	177	39.228,2	17.073,9	144.780,0

Likewise with the fluctuating catches its value fluctuates but with a general tendency of decreasing as shown in following table:

**Table 2.3 Fishing Activity, Production and Value Products in Kendari Fishing Port**

YEAR	BOARD VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	12.975	18.021,9	169.132.420	50.060,83
2002	13.029	19.329,9	240.288.940	53.694,17
2003	7.765	11.829,8	96.853.672	32.860,28
2004	6.535	7.359,8	75.638.390	20.443,75
2005	18.746	9.395,3	61.982.365	26.097,97

The dominant fish catches:

Skipjack tuna, Scad mackerel, Yellow fin tuna, Big eye tuna, Eastern little tuna, Octopus, Red snapper, Yellow tail fusilier

## III. LAND OF FISHERIES INDUSTRY AT 377,000 M<sup>2</sup>

Kendari Port has a big potential industry area. There are 23 fisheries companies/business units in Kendari and other fisheries companies along southeast coast of Sulawesi and surroundings beyond the port area. Among the prepared industrial land area (377,000 m<sup>2</sup>), only 28% (106,000 m<sup>2</sup>) has been utilized.

**Table 2.4 Fisheries Companies, Main Activity and Land Usage in Industrial Area of Kendari Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Kinantan Senaputra	Processing, Cold Storage, Catching	9,050
2	PT. Sultratuna Samudera	Catching, collector, Cold Storage, processing	13,000
3	PT. Yanagi Histalaraya	Processing, Cold Storage, Exportir	2,500
4	PT. Putra Sultra Samudera	Docking, Workshop	8,869
5	CV. Samudera Jasa Mandiri	Telecommunication Shop, Shops	1,000
6	PT. Kamal Cahaya Putra	Processing, Cold Storage, catching, collector, ice factory	9,955
7	PT. Abadi Makmur Ocean	Collector, processing	4,500
8	PT. Nusantara Fisheries	Prawn dragnet, exporter	8,000
9	PT. Tofico	Prawn dragnet, exporter	6,867
10	CV. Ome Trading Coy	Processing of fish	2,660
11	PT. Sultra Mitra Lestari	Ice factory	5,000
12	PT. Lintas Bestari Selaras	Ice factory	2,000
13	FA. Sanu	Cold Storage	1,500
14	PT. Ade Sultra Putra	Ice factory	4,500
15	PT. PLN PJB-II (Persero)	Electrical Supply	10,845
16	Landipo	Cooking oil	2,500
17	CV. Mina Jaya Lestari	Cold storage	2,500
18	PT. SMW	Cold storage	2,500
19	CV. Andika	Cold storage	2,500
20	CV. BUM	Cold storage	2,500
21	PT. Sultra Mitra Sejahtera	Fish powder (OFF)	2,000
22	KUD Kendari Mina	SPDN/SPBN (OFF)	500
23	PT. Utama Sultra	Diesel fuel Supply	-
<b>Total</b>			<b>105,746</b>

**IV. BOATS DOMICILE IN PPS KENDARI**

The entire boats domicile and operate in Kendari Fishing Port are inboard powered boats with various capacity, dominated by boats that have small and medium capacities.

**Table 2.5 Fishing Boat Capacity (GT) and It's Number in Kendari Fishing Port**

YEAR	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)						
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT (Buah)
2001	-	20	4	20	26	27	17	13
2002	-	12	4	20	28	28	27	23
2003	-	112	16	38	23	30	35	19
2004	8	92	6	55	30	41	37	28
2005	30	199	18	30	16	47	16	14

**VI. LOGISTIC**

Generally, the logistic demand such as water and ice in this port has already fulfilled, but the supply of fuel/diesel fuel has not yet adequate.

**Table 2.6 Logistic Supply and Demand in Kendari Fishing Port**

SUPPLY	CAPACITY Ton/day	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel Fuel	33	50	33	17
- Kerosene	-	1	1	-
- Water	700	396	396	-
- Ice	200	107	107	-



**Figure 2.1 Fish Unloading/ Landing in Kendari Fishing Port**



**Figure 2.2 Quay in Kendari Fishing Port**



**Figure 2.3 Water Treatment Facility in Kendari Fishing Port**



**Figure 2.4 Clean Water Facility in Kendari Fishing Port**

### 3. OCEANIC FISHING PORT BELAWAN – NORTH SUMATERA

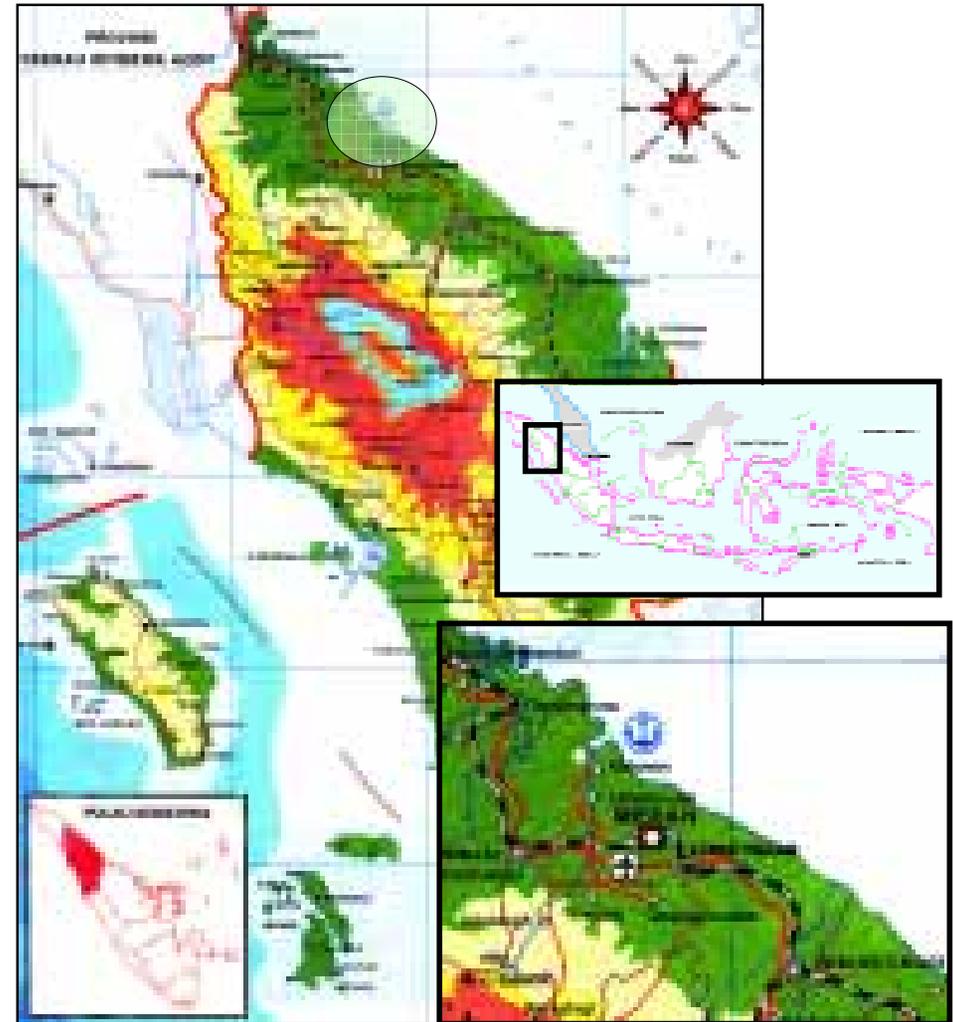


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 Phone : 62-61-6941016 Fax : 62-61-6940329  
 Email : Website :  
 Contact : W. Haryomo, A.Pi, SE



Layout PFD Belawan

Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at current price (Million)	Growth (%)	Source
North Sumatera Province	72.427,81	12.453.000	1,35 (2000-2005)	118.100.511 (2004)	14,22	Statistics (2005/2006)
Belawan (Medan City)	265,10	2.036.185	1,34 (1990-2000)	26.379.403 (2004)	5,46	Dalam Angka 2005

## I. CONDITION OF ENVIRONMENT

The Oceanic Fishing Port of Belawan locates at:

- a. River/Bay/Beach : Estuary of Deli River
- b. Province : North Sumatera
- c. Regency/City : Medan
- d. District : Medan Belawan
- e. Village/Sub-District : Bagan Deli
- f. Geographic Position :

- |   |   |   |
|---|---|---|
| A. <u>03 - 46' - 22,50"</u><br><u>North latitude</u><br>98 - 41' - 59,33" E.<br>longitude | D. <u>03 - 47' - 27,33"</u><br><u>North latitude</u><br>98 - 42' - 48,20" E.<br>longitude | F. <u>03 - 47' - 11,00"</u><br><u>North latitude</u><br>98 - 42' - 58,85" E.<br>longitude |
| B. <u>03 - 46' - 26,20"</u><br><u>North latitude</u><br>98 - 42' - 05,00" E.<br>longitude | E. <u>03 - 46' - 33,41"</u><br><u>North latitude</u><br>98 - 42' - 36,29" E.<br>longitude | G. <u>03 - 46' - 11,28"</u><br><u>North latitude</u><br>98 - 42' - 13,60" E.<br>longitude |
| C. <u>03 - 46' - 27,48"</u><br><u>North latitude</u><br>98 - 42' - 27,33" E.<br>longitude |   |   |

- g. Distance toward
  - Capital City of Province : 30 km
  - Capital City of Regency/City : 30 km
  - District : 2.5 km

## II. FACILITIES IN PPS BELAWAN

Belawan Oceanic Fishing Port is also one of the biggest fishing ports in Indonesia. It is located in Malacca Strait, with an area more than 34 Ha and is completed with following facilities:

**Table 3.1 Facilities in Belawan Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		4. Fuel Installation	1 Unit
1. Port Area	34.28 Ha	5. Electricity	1.110 KVA
2. Water Depth	-2 M	6. Telecommunication	1 Unit
3. Concrete Pier	1.228 M <sup>2</sup>	7. Repair Station (Private)	4 Unit
4. Jetty	1.008 M <sup>2</sup>	8. Fishermen Meeting Building	150 M <sup>2</sup>
5. Turap/revetment	265 M'	9. Administration Office	200 M <sup>2</sup>
6. Shipping Routes	99.650 M <sup>2</sup>	10. Parking & Trotoar Area	4.231,61 M <sup>2</sup>
7. Reclamation	20.000 M <sup>2</sup>	11. IPAL	1 Unit
8. Complex Road	26.236 M <sup>2</sup>	12. Cold Storage (private)	3 Unit
<b>B. Functional Facilities</b>		<b>C. Supporting Facilities</b>	
1. TPI	800 M <sup>2</sup>	1. Operator Guest House	150 M <sup>2</sup>
2. Ice Factory	500 Ton/day	2. Meeting Hall	175 M <sup>2</sup>
3. Water Supply Installation	2 Unit		

## III. OPERATIONAL DATA IN PPS BELAWAN

In the years from 2001 to 2005, the operation of Belawan Fishing Port was increasing. Indicators of various operations in Belawan Fishing Port such as number of fishermen, fishing gears, and utilization of ice, fuel and water are as follow:

**Table 3.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Belawan Fishing Port**

YEAR	FISHERMEN (Persons)	FISHING GEAR (Unit)	DISTRIBUTION		
			ICE (Ton)	FUEL (Ton)	WATER (Ton)
2001	6.285	446	21.894	44.833	124.360
2002	6.500	463	45.614	50.922	146.113
2003	6.750	481	48.213	37.981	160.517
2004	7.000	499	46.061	35.562	226.080
2005	7.229	533	35.200	34.203	203.760

Although the catches production and its values fluctuate, but the trends are increasing as shown in following table:

**Table 3.3 Fishing Activity, Production and Value Products in Belawan Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUES (Rp. 1000)	
2001	34.946	52.376	366.632.000	145,49
2002	32.728	39.427	291.916.000	109,52
2003	26.364	30.369	247.309.500	84,36
2004	33.800	43.560	522.720.000	121,00
2005	37.978	71.455	1.035.690.000	198,49

The Dominant Fish Catches: Blue scad mackerel, Treadfin breams, Squids, Tiger shrimp, Goat fish, Indo-pacific mackerel, Cuttle fish, Croackers, Hair tails

## IV. LAND OF FISHERIES INDUSTRY AT 320,000 M<sup>2</sup>

Belawan Port also has very big industry potential. More than 65 fisheries companies/business units are located in this port industrial area. That number excludes the other fisheries companies in Medan and its surroundings beyond the port area.

**Table 3.4 Fisheries Companies in Industrial Area in Belawan Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	Sugianto	Fuel Unit / APMS	2650
2	PT. Edina	Fuel Unit / APMS	750
3	PT. Sekar Mulia Utama	Fuel Unit / APMS	267
4	KUD Mina Makmur I	Fuel Unit / APMS	2848
5	KUD Mina Makmur III	Fuel Unit / APMS	875
6	Oloan Panggabean	Fuel Unit / APMS	7050
7	PT. Giss	Ice Factory	5500
8	Perum PPS Cab. Belawan	Ice Factory	5500
9	PT. Mina Jaya	Ice Factory	6512
10	PT. CSA	Ice Factory	6500

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
11	Bin Cuan	Ice Factory + GPI	13675
12	CV. Karya Bakti	Cold Storage	1050
13	PT. Surya Samudera Sempurna	Cold Storage + GPI	20061
14	PT. Karya Agung Lestari Jaya	Cold Storage	4674
15	CV. Soon Ho	Cold Storage	1125
16	PT. Mina Jaya	Cold Storage	5000
17	Bina Usaha Kurnia Laut	Fish Handling Storage (GPI)	12500
18	Gd. United	Fish Handling Storage (GPI)	8955
19	Gd. Mitra Laut	Fish Handling Storage (GPI)	9398
20	PT. PMS	Fish Handling Storage (GPI)	4709
21	Gd. TGC / KUD	Fish Handling Storage (GPI)	11817
22	PT. Abadi Jaya	GPI + BAP + Tuasan	12317
23	PT. Wiry Sakti	Fish Handling Storage (GPI)	8205
24	Sumber Utama (SBU)	Fish Handling Storage (GPI)	22414
25	Gd. Putri Indah (PNP)	Fish Handling Storage (GPI)	3489
26	PT. Alsa	Fish Handling Storage (GPI)	7050
27	Gd. SBL	Fish Handling Storage (GPI)	1563
28	CV. Putra Berombang Perkasa	Fish Handling Storage (GPI)	3343
29	Gd. B II	Fish Handling Storage (GPI)	4183
30	Gd. CHC	Fish Handling Storage (GPI)	7186
31	Gd. Karya Laut	Fish Handling Storage (GPI)	3555
32	Gd. Horas	Fish Handling Storage (GPI)	10741
33	Gd. HSC	Fish Handling Storage (GPI)	13012
34	GPI No.02 / TPI	Fish Handling Storage (GPI)	3702
35	CV. Mitra Belawan Fishing (MBF)	Fish Handling Storage (GPI)	4965
36	PT. Karya Agung Lestari Jaya	Fish Handling Storage (GPI)	13412
37	Gd. Sumber Laut	Fish Handling Storage (GPI)	1156
38	Cia Kim Han	Fresh Fish Collector	299
39	Ex. Su Thian	Fresh Fish Collector	200
40	Hong Tat	Fresh Fish Collector + BAP	672
41	Sadikun	Fresh Fish Collector	50
42	Tong Tek alias Saman	Fresh Fish Collector	251
43	Ex. Zulfan Sagita	Fresh Fish Collector	260
44	MCF	Material of Fishing Gear (BAP)	1604
45	Ex. Tjin Peng	Material of Fishing Gear (BAP)	1250
46	Hermanto	BAP + Canteen	770
47	Jahisar Marpaung	Material of Fishing Gear (BAP)	750
48	Laster Sihotang	Material of Fishing Gear (BAP)	250
49	Ny.M.Situmorang/br.Hutabarat	Material of Fishing Gear (BAP)	225
50	Osman	Material of Fishing Gear (BAP)	1425
51	Pe Se Kwang	Material of Fishing Gear (BAP)	835
52	Sahnan Tenggara	Material of Fishing Gear (BAP)	250
53	Su Thiam	Material of Fishing Gear (BAP)	1050
54	Subandi Asrul	Material of Fishing Gear (BAP)	625
55	Sui Lie	Material of Fishing Gear (BAP)	534
56	Syahrul (Eluiddin)	Material of Fishing Gear (BAP)	250
57	Tjian Tjo	BAP + Repair Station	900
58	Tjian Peng	BAP + Canteen	546

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
59	Marlon Situmorang	Drum Storage Place	224
60	Ex. Sumardi	Repair Station	800
61	Bustami	Repair Station	1300
62	Iksan Kenanga	Repair Station	625
63	M. Samin	Repair Station	250
64	Sarbaini Zu	Repair Station	250
65	Yon Harto	Repair Station	260

## V. BOATS DOMICILE IN PPS BELAWAN

All the boats that domicile and operate in Belawan are powered boats with various capacities. There is no any non-powered boat in this port.

**Table 3.5 Fishing Boat Capacity (GT) and It's Total in Belawan Fishing Port**

YEAR	OUTBOARD POWERED BOAT (Unit)	INBOARD POWERED BOAT (Unit)					
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	402	118	58	13	79	59	75
2002	426	226	30	5	36	46	89
2003	446	225	52	-	38	54	87
2004	448	227	66	-	47	42	66
2005	533	316	3	44	53	38	79

## VI. LOGISTIC

Generally, supplies of diesel fuel, kerosene and ice in this port have not yet satisfied their demands, except the water supply is sufficient.

**Table 3.6 Logistic Supply and Demand in Belawan Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel Fuel	170	105	65
- Kerosene	20	10	10
- Water	566	566	-
- Ice	100	98	2



**Figures 3.1 of Quay, Fish Auction Center, Processing Unit and Fuel Station (Respectively) in Belawan Fishing Port**

## 4. OCEANIC FISHING PORT BUNGUS – WEST SUMATERA

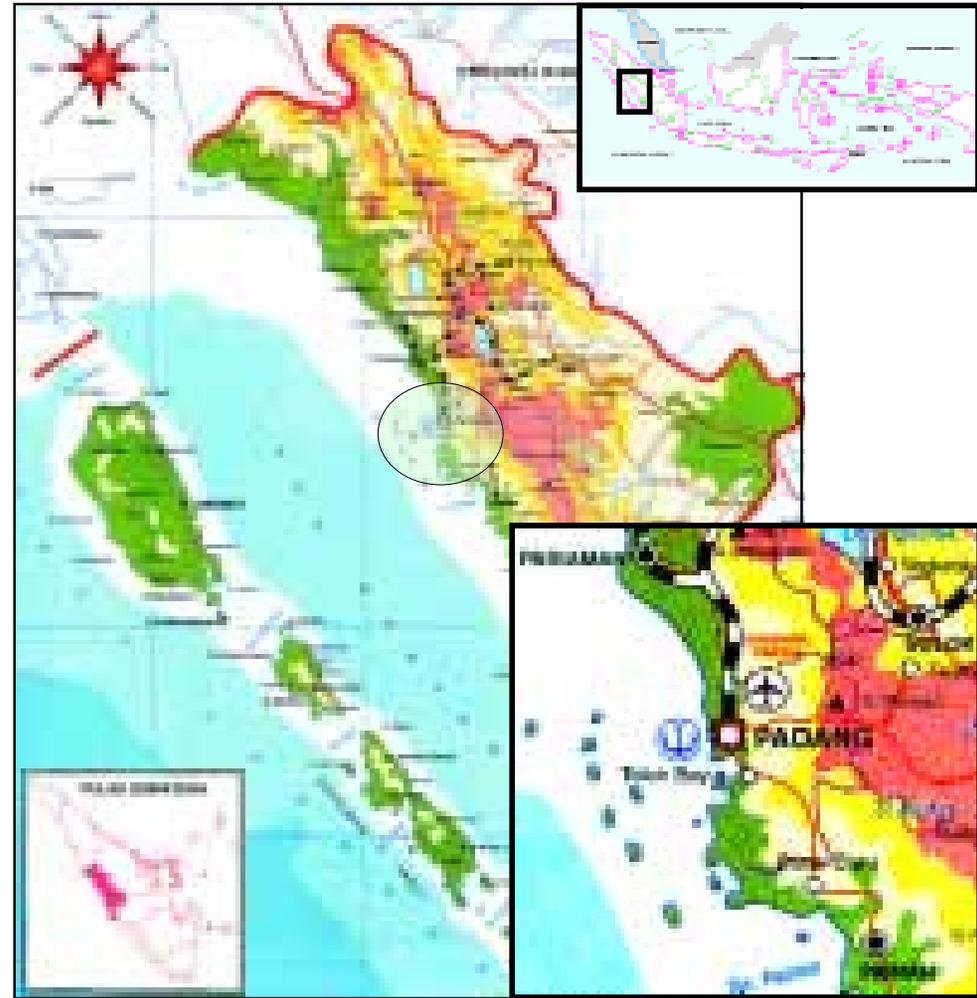


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 Email : Website :  
 Contact : Syaflı Arsyid



Luas Perikanan

Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
West Sumatera	42.224,65	4.555.810	0,71 (2000-2005)	37.358.645 (2004)	44.674.569 (2005)	19,58	Statistics (2005/2006)
Bungus (Padang City)	694,96	801.344	2,12	13.266.060 (2005)	15.297.930 (2006)	15,32	In Figure 2007

## I. ENVIRONMENT CONDITION

Oceanic Fishing Port of Bungus locates at:

- a. River/Bay/Beach : Kabung Bay
- b. Province : West Sumatera
- c. City : Padang
- d. District : Teluk Kabung
- e. Village : Bungus
- f. Geographic Position : 01 – 02<sup>o</sup> – 15<sup>o</sup> South latitude  
100 – 23' – 34" East longitude
- g. Distance toward : Capital of Province: 16 km, Regency/City: 16 km, District: 4 km

## II. FACILITIES IN PPS BUNGUS

Oceanic fishing port of Bungus is one of the biggest fishing ports in Sumatera. It is located in western part of Sumatera; facing Indian Ocean, with an area of more than 16 Ha. Facilities in this fishing port are as follow:

**Table 4.1 Facilities in Bungus Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Port Area	16,6 Ha	10. Vessel Lift	30 GT
2. Unloading Pier	100 x 15 M'	11. Vessel Lift House	70 M <sup>2</sup>
3. Landing Pier	182 x 4 M'	12. Repair Station	250 M <sup>2</sup>
4. Bunker Pier	35 x 10 M'	13. Generator Room	214 M <sup>2</sup>
5. Jetty	40 x 10 M <sup>2</sup>	14. Administration Office	266,5 M <sup>2</sup>
6. Water Depth	-7 M	15. Vehicle Park	250 M <sup>2</sup>
7. Main & Complex Road	1500 M'	16. Forklift	2 Ton
<b>B. Functional Facilities</b>			
1. Receiving Hall	3.334 M <sup>2</sup>	17. Water Treatment	1 Unit
2. Packing Building	1.100 M <sup>2</sup>	18. Genset House	20 M <sup>2</sup>
3. Ice Factory (prvate)	1.523 M <sup>2</sup>	19. Cold Storage	2/310 Unit/ton
4. Water Tank and Installation	50 Ton	20. Reservoir	300 M <sup>3</sup>
5. Diesel Fuel Tank	75 Ton	21. Hydrant House	1 Unit
6. Electricity and Installation	66,5 KVA	22. Fishermen Building	1 214 M <sup>2</sup>
7. Genset and Installation	35/15 KVA	23. SSB	1 Unit
8. Dock Area	2.869 M <sup>2</sup>	<b>C. Supporting Facilities</b>	
9. Dockyard	1 Unit	1. Official House	10 Unit
		2. Fishermen Housing	1 Unit
		3. Water Reservoir	300 Ton

## III. OPERATIONAL DATA IN PPS BUNGUS

In years from 2001 to 2005, the operation of Bungus fishing port was decreasing. Indicators of various operation activities in this port, such as numbers of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 4.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Bungus Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION		
			ICE (Ton)	FUEL (Ton)	WATER (Ton)
2001	17.950	44.875	8.281	2.948	1.162
2002	9.320	33.425	8.292	3.287	2.747
2003	8.810	393	7.215	1.984	9.648
2004	4.584	361	8.339	805	5.782
2005	2.859	276	7.649	2.872	14.514

The catches and associated values were decreasing as can be seen in the following table:

**Table 4.3 Fishing Activity, Production and Value Products in Bungus Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	3.590	2.706	19.223.000	9.020
2002	2.674	2.190	16.749.000	7.300
2003	1.195	1.207	6.611.310	3.450
2004	598	504	3.902.034	1.440
2005	892	630	5.525.062	1.800

The Dominant Fish Catches:

Skipjack tuna, Yellow fin tuna, Indo-pacific mackerel, Big eye tuna, Common dolfinfish, Eastern little tuna

## IV. LAND OF FISHING INDUSTRY AT 75,000 M<sup>2</sup>

Bungus Port has rather big industry potency. About 10 fisheries companies/business units are located in this port industrial area, excluding the other fishing companies along the west coast of West Sumatera Province and surroundings beyond port area. From the prepared industrial land area (75,000 m<sup>2</sup>) only 16% (12,056.5 m<sup>2</sup>) has been utilized.

**Table 4.4 Fisheries Companies, Main Activity and Land Usage in Industrial Area of Bungus Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1.	PT. Danitama Mina	Ice Factory	1.523
2.	PT. Sinar Agro Marine Utama (SAMU)	Fish Marketing	294
3.	CV. Inge	Fish Catching	150
4.	Lajuardin	Fish Catching	24
5.	Amri	Fish Catching	7.500
6.	PT. Pejuang Mina Bahari	Fish Catching	200
7.	CV. Segara Andalas	Processing	200
8.	CV. Priadi Sabena	Processing	862,50
9.	PT. Tridaya Eramina	Catching & processing	1.000
10.	CV. Audina Yolanda	Telecommunication	500

**V. BOATS DOMICILE IN PPS BUNGUS**

All the boats that domicile and operate in Bungus are inboard powered boats with various capacities, mostly the small capacity boats. However since 2005, many big boats have been operating in this port. There is neither any outboard powered boat nor any non-powered boat.

**Table 4.5 Fishing Boat Capacity (GT) and It's Total in Bungus Fishing Port**

YEAR	INBOARD POWERED BOATS (Unit)						
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2001	2.829	231	-	24	-	-	-
2002	2.505	177	-	16	-	-	-
2003	1.039	105	-	-	51	-	-
2004	442	27	20	90	19	-	-
2005	654	6	-	-	208	-	-

**VI. LOGISTIC**

Generally, supply of water and ice in this port has not yet adequate. But the fuel supply has been sufficient.

**Table 4.6 Logistic Supply and Demand in Bungus Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel	12	12	-
- Water	40	30	10
- Ice	11	9	2



**Figures 4.1 Fish Processing Activities in Processing Unit of Bungus Fishing Port**



**Figure 4.2 Quay in Bungus Fishing Port**



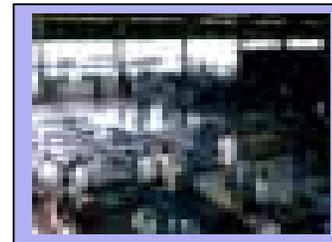
**Figure 4.3 Bungus Fishing Port**



**Figure 4.4 Docking in Bungus Fishing Port**



**Figure 4.5 Fishing Vessel Workshop in Bungus Fishing Port**



**Figure 4.6 Fish Auction Activity in Bungus Fishing Port**



**Figure 4.7 Fish Auction Center in Bungus Fishing Port**

## 5. OCEANIC FISHING PORT CILACAP – CENTRAL JAVA



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 Email : Website :  
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Lay-out PFB Cilacap

Map of Port Access and Its Surrounding Areas



Location	Area (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Central Java	32.799,71	32.908.850	1.44 (2000-2005)	193.435.263 (2004)	234.435.323 (2005)	21,20	Statistics (2005/2006)
Cilacap	2.253,61	1.716.235	0,52 (2000-2005)	30.982.474 (2003)	34.843.496 (2004)	12,46	Dalam Angka 2003

## I. ENVIRONMENT CONDITION

Oceanic Fishing Port of Cilacap locates at:

- a. River/Bay/Beach : Teluk
- b. Province : Central Java
- c. Regency/City : Cilacap
- d. District : South Cilacap
- e. Village/Sub-District : Telaga Kamulyan
- f. Geographic Position : 07° 43' 15" North latitude 07° 44' 05" North latitude  
109° 01' 10" East Longitude 109° 01' 30,5" East Longitude
- g. Distance toward
  - Capital City of Province : 230 km
  - Capital City of Regency/City : 3 km
  - District : 2 km

## II. FACILITIES IN PPS CILACAP

Cilacap Oceanic Fishing Port is one of the biggest fishing ports in Java Island. It is located in southern part of Java and directly facing Indian Ocean. Total area of this port is more than 33 Ha and has following facilities:

**Table 5.1 Facilities in Cilacap Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Port Area	33,040 Ha	5. Elevated and Ground Water Tank	85 dan 4
2. Port Pond	7,74 Ha	6. Fuel Tank	8.000 Liter
3. Water Depth	-3; -1.5; -1 M	7. Fuel Pump House	7 m <sup>2</sup>
4. Break Water:		8. Signal light	2 Unit
North	248,57 m	9. Port officer office	36 m <sup>2</sup>
Extension of BW North	220 m	10. Port Administration Office	544 m <sup>2</sup>
Old South	140,84 m	11. Trays Storage	100 m <sup>2</sup>
New South	370,64 m	12. Parking Lot	168 m <sup>2</sup>
5. a. Revetment	1.120,64 m	13. Wasdal Room	200 m <sup>2</sup>
b. Revetment In Pond B	289,33 m	14. Water Installation	4.224 Liter
6. Berth	116 m	15. Water Pump House	1 Unit
7. Pier		16. Repair Station	75 m <sup>2</sup>
Landing	2 bh 42,8 m <sup>2</sup>	17. Connecting Open Veranda	
Berth	8 bh 39,4 m <sup>2</sup>	TPI A with Pier	400 m <sup>2</sup>
Checking	240 m <sup>2</sup>	TPI A with TPI B	60 m <sup>2</sup>
8. Groin	146	18. Bolder	20 Buah
9. Revetment Kali Yasa	1.500	19. Water Pump House /Hydrant	16,8 m <sup>2</sup>
10. Roads		20. Water Pump/Hydrant	5 Unit
Complex	1.500 m	21. Fish Processing Place	120 m <sup>2</sup>
Office Road & toward BPN	822 m <sup>2</sup>	22. Place for net repairing and drying	1.000 m <sup>2</sup>
11. Drainage tunnel	244 m	23. Docking Kaliyasa	1 Unit
<b>B. Functional Facilities</b>			
1. Slipway	3.120 m <sup>2</sup>	24. Collecting Installation	1 Unit
<b>C. Supporting Facilities</b>			
		1. Operator Guest House	18 Unit

FACILITIES	VOLUME	FACILITIES	VOLUME
2. Docking	5 Unit	2. Fishermen Shelter	120 m <sup>2</sup>
3. TPI A	1.264 m <sup>2</sup>	3. Port Gate	1 Unit
4. TPI B	420 m <sup>2</sup>	4. Integrated Business Unit Building	120 m <sup>2</sup>

## III. OPERATIONAL DATA IN PPS CILACAP

In years from 2001 to 2005, the operation of Cilacap Fishing Port was fluctuating. However, generally the trend was increasing particularly in 2005. The indicators of various operational activities in Cilacap Fishing Port, such as the numbers of fishermen and fishing gear, and utilization of ice, fuel and water are as follow:

**Table 5.2 Total Gear and Utilization of Ice, Fuel and Water in Cilacap Fishing Port**

YEAR	FISHERMEN (person)	FISHING GEAR (Unit)	DISTRIBUTION		
			ICE (Ton)	FUEL (Ton)	WATER (Ton)
2001			18.519,85	15.056	9.430,86
2002	35.714	401	16.642	13.341	7.440,10
2003	24.418	441	2.510	11.194	4.524,84
2004	16.676	405	6.315	13.787	2.455,02
2005	270.186	746	7.976	12.428	3.676,28

Likewise the catches and associated values fluctuated also but with a declining trend as shown in following table:

**Table 5.3 Fishing Activity, Production and Value Products in Cilacap Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	13.080	4.187,84	21.561.970	11.633,0
2002	4.201	4.928,98	22.214.190	13.830,5
2003	2.750	3.572,16	11.691.670	9.922,7
2004	2.629	1.421,66	5.575.670	3.949,1
2005	33.492	1.452,45	6.387.060	4.034,6

The Dominant Fish Catches:

Yellow fin tuna, Skipjack tuna, Eastern little tuna, Black Marlin, Squids, Albacore tuna, White shrimp, Croakers, Stripped sail fish, Marine catfish

## IV. LAND OF FISHERIES INDUSTRY AT 42,499 M<sup>2</sup>

Cilacap Fishing Port has a big industry potential as there are about 30 fisheries companies/business units in this port industrial area, excluding those fisheries companies/business units in Cilacap and Its surroundings, and in other Central Java Province beyond port area.

**Table 5.4 Fisheries Companies, Main Activity and Land Usage in Industrial Area of Cilacap Fishing Port**

No.	TENANT	BUSINESS TYPE	AREA (M <sup>2</sup> )
1	PT. Mina Raharja Perkasa	SPBU	5.000
2	PT. Andalan Mino Saroyo	Ice Factory	2.250
3	KUD Mandiri Mino Saroyo	Fish storage of para-para fish and Waserda	3.700
4	Dei Conghan	Facilities of processing, storage, cold storage and repair station	796
5	Burhan	Boat equipment storage and fish catching facilities	530
6	Burhan	Fish Processing and packing	Building : 120 m <sup>2</sup> Land : 254 m <sup>2</sup>
7	Tuhi	Equipment storage and fish catching facilities	300
8	Tuhi	Place for processing and storage	600
9	Edy Kasman	Repair station	238
10	Slamet	Repair station	104
11	Jasman	Storage for goods/equipment	396
12	Kho Cui Tie	Storage for goods/equipment	396
13	Joni A	Storage for goods/equipment	396
14	Liem Le Hwa	Facilities of storage, repair station and cold storage	840
15	BPKSA	Site office and warehouse	720
16	PT. Cilacap Samudera Fishing Industry	Cold storage, all catches processing and other supporting facilities	4.500
17	PT. Toxindo	Marine catches Processing	5.405
18	PT. Cakra Mina Perasa	Marine catches Processing	3.400
19	UD. Kwantat	Processing of sea snail, layur and prawn	1.050
20	UD. Mitra Anugerah Nusantara	Marine catches Processing	1.600
21	PT. Kusuma Suisan Jaya	Marine catches Processing	3.630
22	Kheng Seng	Storage and mini cold storage	400
23	Tan Hasan Subroto	Storage and cold storage	500
24	Adis Suyanto	Storage and cold storage	360
25	Arsono	Facilities of processing, cold storage and repair station	400
26	Arsono	Shop for fishing gear material	535
27	Martono	Facilities of processing, cold storage and repair station	400
28	Un Juliono	Cold storage, equipment storage and fish catching facilities	1.173
29	Hartono	Cold storage, storage, processing of catches and restaurant	1.005
30	Hartono	Repair station, storage, BAP Shop and cold storage	1.621
<b>Total</b>			<b>42.499</b>

**V. BOATS DOMICILE IN PPS CILACAP**

All the boats that domicile and operate in Cilacap are inboard powered boats by various capacities, mostly medium capacity boats. But since 2005, many small boats have operated in this port. There is neither any outboard powered boat nor any non-powered boat in this port.

**Table 5.5 Fishing Boat Capacity (GT) and Its Total in Cilacap Fishing Port**

YEAR	INBOARD POWERED BOATS						
	< 10 GT (Unit)	10 – 20 GT (Unit)	20 – 30 GT (Unit)	30 – 50 GT (Unit)	50 – 100 GT (Unit)	100 – 200 GT (Unit)	> 200 GT (Unit)
2002	15	134	100	87	47	18	-
2003	11	142	108	93	57	30	-
2004	11	116	112	79	54	33	-
2005	370	69	160	50	60	37	-
2006	370	92	154	43	33	12	-

**VI. LOGISTIC**

Generally, demand of water and ice in this port has been fulfilled as requirement, except fuel supply has not been adequately yet.

**Table 5.6 Logistic Supply and Demand in Cilacap Fishing Port**

SUPPLY	DEMAND Ton/Day	FULFILLED Ton/Day	SHORTAGE Ton/Day
- Fuel/Diesel Fuel	64 kl	40 kl	24 kl
- Water	1007.2	1007.2	-
- Ice	22	22	-

**Figures 5.1 of Fishing Port, Quay, Water Treatment and Vessel Landing (Respectively) in Cilacap Fishing Port**

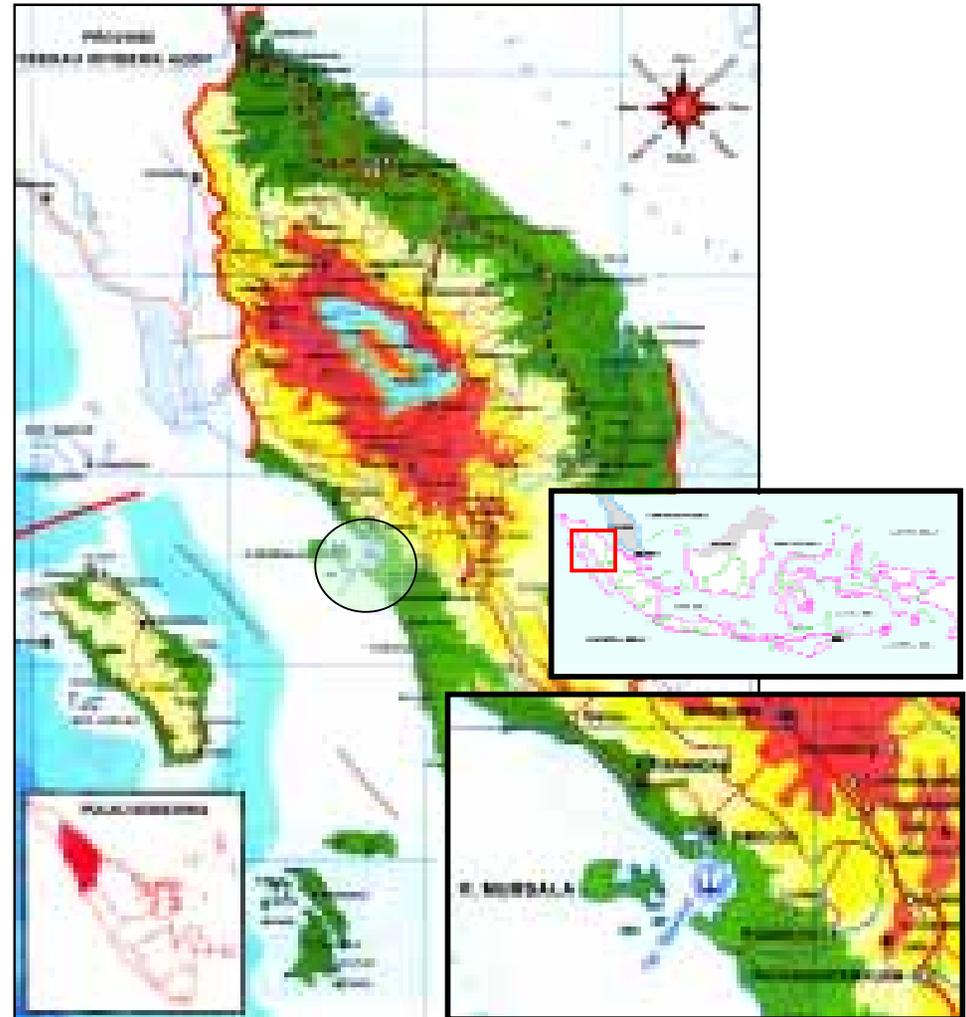
## 6. ARCHIPELAGO FISHING PORT SIBOLGA – NORTH SUMATERA



Address : Jl. Jend. Gatot Subroto Pondok Batu Sarudik, Sibolga  
 Phone : 0631-22129 Fax : 0631-22129  
 Email : Website :  
 Contact : Henry Batubara, SPI



Map of Port Acces and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at current price (Million)	GRDP at current price (Million)	Growth (%)	Source
North Sumatera	72.427,81	12.453.000	1,35 (2000-2005)	103.401.370 (2003)	118.100.511 (2004)	14,22	Statistics (2005/2006)
Sibolga City	10,77	91.941	3,63 (2005-2006)	826.274 (2005)	931.522 (2006)	12,74	Dalam Angka 2007

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Sibolga locates at:

- a. River/Bay/Beach : Aek Habil Bay
- b. Province : North Sumatera
- c. Regency/City : Central Tapanuli
- d. District : Sibolga
- e. Village/Sub-district : Sarudik
- f. Geographic Position : 01° – 43' – 10" North latitude  
98° – 47' – 40" East longitude
- g. Distance toward
  - Capital City of Province : 314 km
  - Capital City of Regency/City : 3 km
  - District : 10 km

## II. FACILITIES IN PPN SIBOLGA

Sibolga Fishing Port is the other particular fishing port in North Sumatera Province. This port is located in western coast of the province, facing Indian Ocean with an area about 13 Ha. The facilities in this fishing port are as follow:

**Table 6.1 Facilities in Sibolga Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Port area	12,9 Ha	6. Fishermen Meeting Hall	150 M <sup>2</sup>
2. Pier	1.730 M'	7. Administration Office	440 M <sup>2</sup>
3. Port pond	1 Ha	8. Parking area	4.500 M <sup>2</sup>
4. Water Depth		9. Tower	3 Unit
5. Revetment	382 M'	10. SSB	1 Unit
6. Complex road	21.641 M <sup>2</sup>	11. Fuel Supply Building	150 M <sup>2</sup>
7. Rubber Fender	25 bh	12. Utility Building	200 M <sup>2</sup>
8. Concentrate sheet pile	700 M'	13. Equipment building	200 M <sup>2</sup>
9. Mooring pontoon	180 M <sup>2</sup>	14. Drainage	2.925 M'
<b>B Functional Facilities</b>			
1. TPI	864 M <sup>2</sup>	15. Net Repair Building	540 M <sup>2</sup>
2. Ice Factory	120 Ton/hari	16. Lighthouse Tower	3 Unit
3. Water Tank and Installation	150 M <sup>3</sup>	<b>C. Supporting Facilities</b>	
4. Fuel Tank and Installation	50 M <sup>3</sup>	1. Operator (guest house)	150 M <sup>2</sup>
5. Electrical and Installation	82,5 KVA	2. Staff house by type of T/70	140 M <sup>2</sup>
		3. Staff house by type of T/50	250 M <sup>2</sup>

## III. OPERATIONAL DATA IN PPN SIBOLGA

In years from 2001 to 2006, the operation of Sibolga Fishing Port was fluctuating. The operational activities in Sibolga fishing port, such as number of fishermen, utilization of ice, fuel and water are as follow:

**Table 6.2 Total Fishermen and Utilization of Ice, Fuel and Water in Sibolga Fishing Port**

YEAR	FISHERMEN (Person)	DISTRIBUTION (Ton)		
		ICE	FUEL	WATER
2001	615	22.725,95	9.263,70	8.263,47
2002	610	32.069,19	7.010,00	11.099,00
2003	615	44.340,12	8.092,53	14.831,00
2004	330	29.037,51	7.610,03	11.855,50
2005	257	20.693,75	3.481,06	9.994,00
2006*	264	28.996,15	2.342,00	

\*) Statistic Data 2006

Likewise with the operation activities, catches and its value also fluctuate with decreasing trend, as seen in the following table:

**Table 6.3 Fishing Activity, Production and Value Products in Sibolga Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	6.785	1.697,10	6.847.839,00	4.714,20
2002		1.402,87	5.950.045,00	3.896,60
2003	7.647	692,91	2.893.577,70	1.924,75
2004	3.683	832,05	4.659.496,80	2.311,25
2005	1.732	236,81	1.571.727,20	657,81
2006*	5.138	633,20	3.245.632,80	1.734,94

The dominant fish catches:

Goat fish, 8 banded engelfish, Kapas-kapas, Ponyfish, Barracuda, Skipjack tuna, Hair tails, Big eyes fish

\*) Statistic Data 2006

## IV. LAND OF FISHERIES INDUSTRY AT 38,529 M<sup>2</sup>

Sibolga Port has the sufficient potential area for industry. In the area was locating about 6 fisheries companies/business units. That number is excluding other fisheries companies along west coast in North Sumatera around Sibolga beyond port area.

**Table 6.4 Fisheries Companies, Main Activity and Land Usage in Industrial Area of of**

NO	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Duta Tangkas Utama	Block Ice Industry	9.341
2	PT. Prima Nusantara	Block Ice Industry	8.300
3	PT. Toba Surimi Industries	Fish powder industry	15.000
4	PT. Mina Kencana Indopermata	Cold Storage	4.688
5	PT. Dharma Krida Satria	Fuel Marketing	200
6	KUD. Mina Seia Sekata	Fuel consumer Pool	200
<b>TOTAL</b>			<b>38.529</b>

**V. BOATS DOMICILE IN PPN SIBOLGA**

All boats that domicile and operate in Sibolga Fishing Port are inboard powered boats with various capacities, mostly medium to high capacity boats.

**Table 6.5 Fishing Boats Domicile in Sibolga Fishing Port by Capacity (GT)**

YEAR	INBOARD POWERED BOAT (Unit)					
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	411	933	1.672	2.427	1.337	-
2002	66	160	767	1.173	1.095	-
2003	611	661	1.943	2.436	1.997	-
2004	262	429	1.470	449	1.069	-
2005*	67	50	340	12	47	-
2006*	760	1.115	2.567	458	238	-

\*) Statistic Data 2006

**VI. LOGISTIC**

Generally, the logistic demand of fishing boats in Sibolga Fishing Port such as water, ice and fuel were fluctuating. Highest supply for ice was in 2003; for fuel was in 2001 and for water was in 2003. While, lowest supply of ice was in 2005 and for fuel and water were in 2006.



**Figure 6.1 of Ice Factory in Sibolga Fishing Port**



**Figures 6.2 of Sibolga Fishing Port and Quay of Port**

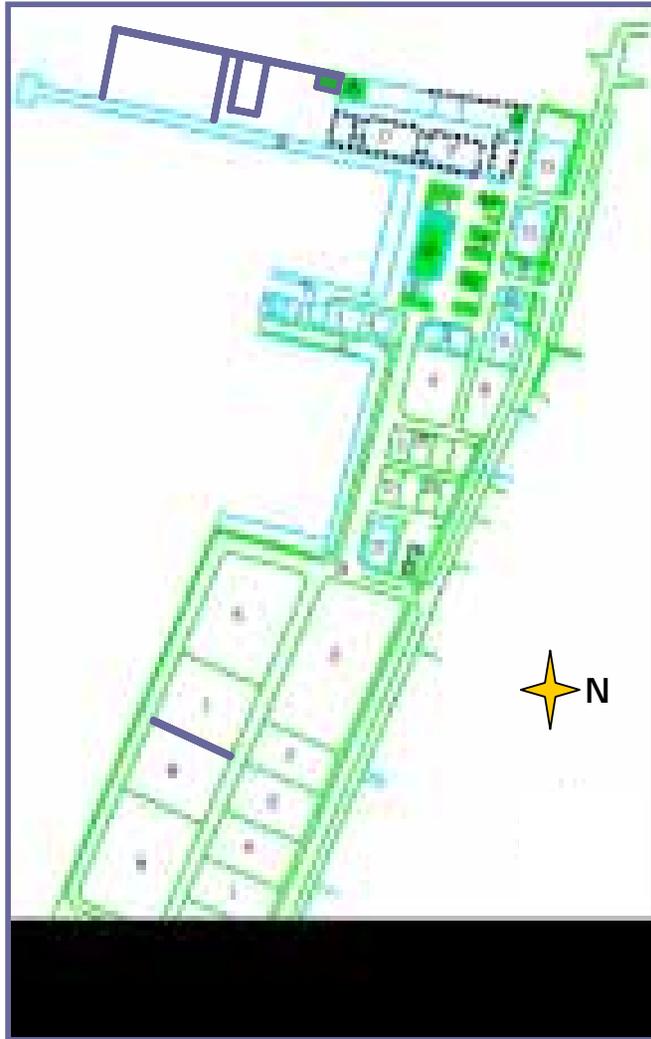


**Figures 6.3 of Fish Auction Center and Fuel Facility in Sibolga Fishing Port**



## 7. ARCHIPELAGO FISHING PORT TANJUNGPANDAN – BANGKA BELITUNG ISLANDS

Address : Jl. Laks.RE. Martadinata Tj. Pandan Belitung (33411)  
 Phone : 0719-21070 Fax : 0719-24644  
 Email : Website :  
 Contact : Ir. Arief Rachman Lamatta



Map of Port Acces and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Bangka Belitung Province	16,424.14	1,043,456	1.54 (2000-2005)	11,080,753 (2004)	13,387,737 (2005)	20.82	Statistic 2005/2006
Belitung	2,293.69	132,927	0.59 (1990-20000)		1,024,990 (2003)		Dalam angka 2005

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Tanjungpandan locates at:

- a. River/Bay/Beach : Cerucuk River
- b. Province : Bangka-Belitung Islands
- c. Regency/City : Belitung
- d. District : Tanjungpandan
- e. Village/Sub district : Sub district City
- f. Geographic Position : 107° – 35' East longitude 108° – 18' East longitude  
02° – 30' South latitude 03° – 15' South latitude
- g. Distance toward
  - Capital City of Province : 334 km
  - Capital City of Regency/City : 3 km
  - District : 2 km

## II. FACILITIES IN PPN TANJUNGPANDAN

Archipelago fishing port of Tanjungpandan is one of the particular fishing ports in Bangka Belitung Islands Provinces. This port is located in Belitung Island facing Malacca Strait, with an area more than 5 Ha. The facilities in this fishing port are as follow:

**Table 7.1 Facilities in Tanjungpandan Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		6. Repair Station	125 M <sup>2</sup>
1. Port Area	5.18 Ha	7. Cold Storage	1 Unit
2. Pier	560 M'	8. Parking Area	1.650 M <sup>2</sup>
3. Port Pond	33.000 M <sup>2</sup>	9. Complex Road	8.408,50 M <sup>2</sup>
4. Water Depth	-1.5 M	10. Ice Factory	288 M <sup>2</sup>
5. Revetment	1.041 M'	11. Fuel Tank	90 M <sup>2</sup>
6. Entrance Route	400 M'	12. Boat Service Office	2 Unit
<b>B. Functional Facilities</b>		13. Winch House	20 M <sup>2</sup>
1. TPI/ Fish Auction Center	300 M <sup>2</sup>	<b>C. Supporting Facilities</b>	
2. Administration Office	195 M <sup>2</sup>	1. Official House/Operator Guest House	5 Unit
3. Electricity & installation (5 units)	66 KVA	2. Fishermen Shelter	100 M <sup>2</sup>
4. Water Tower and Installation	1 Unit	3. IPTEK Kiosk	45 M <sup>2</sup>
5. Fishermen Meeting Hall	150 M <sup>2</sup>		

## III. OPERATIONAL DATA IN PPN TANJUNGPANDAN

In years 2001 to 2005, the operation of Tanjungpandan Fishing Port was increasing trends. The operational activities in this fishing port, such as numbers of fishermen, fishing gears, and utilization of ice, fuel and water are as follow:

**Table 7.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Tanjungpandan Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR** (Unit)	DISTRIBUTION (Ton)		
			ICE (Ton)	FUEL (Ton)	WATER (Ton)
2001	-	-	5.199,6	2.446,9	14.485,2
2002	1.029	343	6.478,7	5.286,3	14.267,0
2003	2.460	529	17.396,0	4.267,1	16.619,0
2004	2.460	529	23.123,7	4.705,0	20.811,5
2005	2.460	529	28.356,1	7.235,2	15.272,0
2006*	2.460	529	7.733,7	1.684,5	4.084,0

\* Data up to May 2006

However, the catches were decreasing in 2005 after raising in previous years (2001-2004), meanwhile its values were increasing, as shown in following table:

**Table 7.3 Fishing Activity, Production and Value Products in Tanjungpandan Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	6.065	4.324,9	16.258.149	11.849
2002	5.801	4.797,2	36.739.228	13.143
2003	4.753	5.050,4	44.809.479	13.837
2004	5.612	13.528,9	158.337.279	36.964
2005	9.398	11.110,9	162.902.334	30.441
2006	2.360	2.230,0	43.806.345	24.778

The dominant fish catches:

Fringescale sardine, Treadfin breams, Spanish mackarel, Jack tervalies, Eastern little tuna, Marine catfish, Yellowtail fusilier, Indian mackerel, Snapper

\* Data up to May 2006

## IV. LAND OF FISHERIES INDUSTRY AT 22,601 M<sup>2</sup>

Tanjungpandan Port has potential area industry. Although it's not big area but there is existing about 23 fisheries companies/business units. Its number excluding the other fisheries companies in Belitung and surroundings beyond port area.

**Table 7.4 Fisheries Companies in Industrial Area of Tanjungpandan Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PO. Saimin	Fish collector	180
2	CV. Central Jaya Mandiri	Cold storage	3.400
3	PO. Serikat Sindo Makmur	Cold storage	2.400
4	PO. Ali Johan	Fish collector	2.000
5	CV. Surya Agung Lestari	Cold storage	2.500
6	PT. SSPB	Fish storage	1.000

No.	TENANT	TYPE OF BUSINESS	AREA (M²)
7	CV. Mawar	Cold storage	180
8	PO. Mustar Muhamad	Fish storage	800
9	PO. H. Motong DM	Fish storage	1.000
10	PO. Mamo Susanto	Fish collector/ Cold storage	800
11	PT. Hatika Patra Persada	Supplying on fuel/ SPDN	84
12	PT. Nelayan Mitra Mandiri	Fish collector	850
13	PT. Parit Mujur Sejahtera	Ice factory	1.000
14	CV. Laut Jaya	Fish collector/ Cold storage	1.800
15	PO. Suryandi	Fish collector	1.135
16	PO. Tjhun Lian	Fish collector	32
17	CV. Alam Prima	Ice factory	1.800
18	Bengkel Samudera Diesel	Repair station	150
19	PO. H. Teppo	Supplying on fuel	48
20	KUD Nelayan Sejahtera	Fish auction	300
21	CV. Laut Jaya	Cold storage	2.000
22	PO. H. Motong DM	Fishermen inn & restaurant	572
23	KPRI Korpelikan	BAP shop, fish storage, canteen	2.018
<b>TOTAL</b>			<b>26.049</b>

**V. BOATS DOMICILE IN PPN TANJUNGPANDAN**

All boats that domicile and operate in Tanjungpandan are inboard powered boats, with various capacities, mostly small capacity boats.

**Table 7.5 Fishing Boat Capacity (GT) and It's Number in Tanjungpandan Fishing Port**

YEAR	INBOARD POWERED BOAT (Unit)					
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2003	326	2	17	1	-	-
2004	326	2	17	1	-	-
2005	326	2	17	1	-	-
2006	326	2	17	1	-	-

**VI. LOGISTIC**

Generally, supply of water, ice and kerosene as well as fuel/diesel fuel in this port has been sufficient.

**Table 7.6 Logistic Supply and Demand in Tanjungpandan Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel Fuel	18,7	18,7	-
- Kerosene	1,6	1,6	-
- Water	45,4	45,4	-
- Ice	85,9	85,9	-



**Figures 7.1 Jetty and Quay in Tanjungpandan Fishing Port**



**Figures 7.2 Fish Auction Center and Ice Factory in Tanjungpandan Fishing Port**



**Figures 7.3 Docking Activity and Fuel Station in Tanjungpandan Fishing Port**



## I. ENVIRONMENTAL CONDITION

Archipelago fishing port of Palabuhanratu locates at:

- a. River/Bay/Beach : Bay of Palabuhanratu
- b. Province : West Java
- c. Regency/City : Sukabumi Regency
- d. District : Palabuhanratu
- e. Village/Sub-District : Palabuhanratu
- f. Geographic Position : 06° 97" – 07° 03" South latitude  
106° 59" – 106° 62" East longitude
- g. Distance toward
  - Capital City of Province : 145 km
  - Capital City of Regency/City : 68 km
  - District : 0 km

## II. FACILITIES IN PPN PALABUHANRATU

Archipelago fishing port of Palabuhanratu is the particular crowd fishing port in south coast of West Java Province, facing Indian Ocean. The facilities in this fishing port are as follow:

**Table 8.1 Facilities in Palabuhanratu Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		10. Administration office	528 M2
1. Pier	500 M	11. Fork lift	2 Buah
2. Water Depth	-5 M	12. Dump truck	1 Buah
3. Dermaga angker	310 M	13. Truck folder crane	2 Unit
4. Landing Pier	93 M	14. Slipway	2 Unit
5. Supply Pier	106 M	15. Navigation Sign	2 Unit
6. Port pond	3 Ha	16. Port signal light	2 Unit
7. Breakwater I (north)	125 M	<b>C. Supporting Facilities</b>	
8. Breakwater II (south)	294 M	1. House for Port officer	1 Unit
9. Entrance Route	294 M	2. Employer house	6 Unit
<b>B. Functional Facilities</b>		3. Operator guest house	1 Unit
1. TPI Building	900 M2	4. Guest house	1 Unit
2. Water Tank	400 M3	5. Religious place	1 Unit
3. Water Pump	4 Unit	6. Fish market	360 M2
4. Pump house	27 M2	7. Industrial Area	6.018 M2
5. Fuel tank	2 Unit	8. SSB Radio	1 Unit
6. Fuel installation	495 M'	9. Binamutu Laboratory	117 M2
7. Electricity & Installation	82.5 KVA	10. 4 wheels vehicle	3 Unit
8. Genset & installation	95 KVA	11. 2 wheels vehicle	10 Unit
9. BPN	150 M2		

## III. OPERATIONAL DATA IN PPN PALABUHANRATU

In years from 2001 to 2006, the operation of Palabuhanratu Fishing Port was fluctuating, but with trends numbers of fishermen and fishing gears were increasing. The operational activities in Palabuhanratu Fishing Port, such as the number of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 8.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Palabuhanratu Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	2.377	647	574	1.729	380
2002	2.519	577	13.885	5.631	1.480
2003	3.340	609	10.980	5.942	1.591
2004	3.439	693	14.247	11.271	4.749
2005	3.498	733	5.623	7.118	6.035
2006	4.731	892	5.905	6.213	1.675

Likewise by the operational activities, catches production was also fluctuating with increasing trend, meanwhile its value was keep on increasing as seen in the following table:

**Table 8.3 Fishing Activity, Production and Value Products in Palabuhanratu Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	24.836	1.766,96	4.793.207,84	4.908,23
2002	29.802	2.890,12	9.885.365,32	8.028,11
2003	16.776	4.105,26	15.273.292,57	11.403,50
2004	15.595	3.367,52	15.670.740,95	9.354,21
2005	16.510	6.600,53	32.153.934,82	18.334,81
2006	23.522	5.461,56	32.550.912,62	15.171

The dominant fish catches:  
Long tail tuna, Big eye tuna, Skipjack tuna, Spotted shark, Stripped sail, Eastern little tuna, Hair tails, Fringscale sardine and Ponyfishes

## IV. LAND OF FISHERIES INDUSTRY

Palabuhanratu Port has the potential area for industry. Although it's not a big area but there is existing 17 fisheries companies/business units. That number is excluding the other fisheries companies along south coast of the province around port area.

**Table 8.4 Fisheries Companies in Industrial Area of Palabuhanratu Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (m <sup>2</sup> )
1	PT. Citra Karya Utama	Docking	3.300
2	Kopkar "Mina Nusantara"	Utilization of semi permanent building	200
3	Kopkar "Mina Nusantara"	Fisheries industry	2.000

No.	TENANT	TYPE OF BUSINESS	AREA (m <sup>2</sup> )
4	Kopkar "Mina Nusantara"	Fisheries industry	300
5	PT. Mekar Tunas Raya Sejati	Fisheries industry and fuel tank	500
6	PT. AGB Tuna	Fisheries industry	900
7	PT. Sari Segara Utama	Fisheries industry	468
8	CV. Permata Mina Pratama	Fisheries industry	250
9	Yayasan Anak Nelayan Indonesia	Utilization of semi permanent building	120
10	Burhan	Fisheries industry	600
11	Kopkar "Mina Nusantara"	Utilization of fishermen shelter building	75
12	Kopkar "Mina Nusantara"	Utilization of semi permanent building	120
13	PT. Danamom	Bank	100
14	Kopkar "Mina Nusantara"	Utilization of working space in TPI	42
15	PT. Ratu Prima Bahari Nusantara	Fisheries industry	4,200
16	PT. Paridi Asyudewi	Placement on bunker for SPBB	28,80
17	KUD Mina Mandiri "Sinar Laut"	Utilization /management of fuel tank	96
<b>TOTAL</b>			<b>13.299,80</b>

**V. BOATS DOMICILE IN PPN PALABUHANRATU**

All boats that domicile and operate in Palabuhanratu Fishing Port are inboard powered boats with various capacities, mostly small and medium capacity boats.

**Table 8.5 Fishing Boat Capacity (GT) and Its Number in Palabuhanratu Fishing Port**

YEAR	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)						
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2001	323	141	7	7	11	1	-	-
2002	317	106	3	13	8	5	-	-
2003	253	106	3	8	11	8	-	-
2004	266	111	4	10	132	7	-	-
2005	432	124	4	33	28	7	-	-
2006	511	153	4	53	77	-	-	-

**VI. LOGISTIC**

Generally, the supply of kerosene, water and ice as well as fuel/diesel fuel in this port has not sufficient yet.

**Table 8.6 Logistic Supply and Demand in Palabuhanratu Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	27,39	15,15	12,24
- Kerosene	5,47	4,35	1,12
- Water	14,19	6,50	2,31
- Ice	23,93	15	8,93



**Figures 8.1 Quay in Pelabuhanratu Fishing Port**



**Figures 8.2 Pelabuhanratu Fishing Port**



**Figures 8.3 Fish Auction Center in Pelabuhanratu Fishing Port**

## 9. ARCHIPELAGO FISHING PORT KEJAWANAN – WEST JAVA



Address : Jl. Pelabuhan Perikanan No.1 Cirebon, 45113  
 Phone : 0231-210084 Fax : 0231-231383  
 Email : Website :  
 Contact : Jainur Manurung



LAYOUT PETA Pelabuhan Cirebon

Map of Port Access and its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
West Java	36,925.05	39,067,000	1.81 (2000-2005)	270,695,000 (2003)	305,305,606 (2004)	12.79	Statistic (2005/2006)
Cirebon City	36.97	281,089	1.51 (2004-2005)	5,816,329 (2002)	6,156,446 (2003)	5.85	Dalam Angka 2006

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Kejawanan locates at:

- a. River/Bay/Beach : River Estuary
- b. Province : West Java
- c. Regency/City : Cirebon City
- d. District : Lemah Wungkuk
- e. Village/ Sub-District : Pegambiran
- f. Geographic Position : 06°-44'-14<sup>0</sup> South latitude  
108°-34'-54" East longitude
- g. Distance toward
  - Capital City of Province : 130 km
  - Capital City of Regency/City : 5 km
  - District : 1 km

## II. FACILITIES IN PPN KEJAWANAN

Kejawanan Fishing Port is the particular archipelago fishing port in north coast of West Java Province. This port is located in eastern part of the province facing Java Sea, with an area more than 19 Ha. The facilities in this port are as follow:

**Table 9.1 Facilities in Kejawanan Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		4. Clean Water Network	
1. Land	19.16 Ha	5. Electrical Network (2 units)	18.200 Va
2. Water Depth	-3 M	6. Electrical Beyond Building	1 Unit
3. Break Water (west)	1.247 M'	7. Road (entrance)	2.080 M2
4. Break Water (east)	1.106 M'	8. Road (complex)	9.645 M2
5. Port Pond	5.5 Ha	9. Pump and Genset House	36 M2
6. Shipping Route (long)	800 M'	10. Shipping Navigation	1 unit
7. Shipping Route (wide)	80 M'	11. Controlling on Environmental Sanitation	1 unit
8. Pier (long)	195 M'	12. Arthesis Well	1 unit
9. Pier (yard)	2.925 M'	13. Fish Market Hall	64 M2
10. Retaining Wall (east)	950 M'	14. Administration Office	300 M2
11. Retaining Wall (west)	650 M'	15. BPN	360 M2
12. Drainage	3.789,12 M'	16. Fisheries Supervision Post	50 M2
<b>B. Functional Facilities</b>		<b>C. Supporting Facilities</b>	
1. TPI	940 M2	1. Official House at Type 70	1 Unit
2. Ice Storage	1 Unit	2. Shop	160 M2
3. Clean Water Reservoir	200 M3	3. Mosque	100 M2

## III. OPERATIONAL DATA IN PPN KEJAWANAN

In the years from 2001 to 2005, the operation activities of Kejawanan Fishing Port was fluctuating with decreasing trend. The operational activities in Kejawanan Fishing Port, such as the numbers of fishermen, fishing gears and utilization of ice, fuel and water are shown in the following table:

**Table 9.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Kejawanan Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	2.012	181	10.073	3.615	6.926
2002	1.694	121	9.644	3.450	7.602
2003	1.285	107	8.991	3.309	3.547
2004	1.171	105	7.836	2.949	6.762
2005	780	113	6.015	2.779	5.975

Likewise with operation activities, the catches trend also fluctuates, however its value trends was keep on increasing as shown in following table:

**Table 9.3 Fishing Activity, Production and Value Products in Kejawanan Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	1.060	2.440	4.129.785	6.777.78
2002	990	3.291	5.407.738	9.141.67
2003	812	3.070	5.381.083	8.527.78
2004	599	3.103	9.359.372	8.619.44
2005	492	2.912	9.764.665	8.088.89
2006	405	2.999	10.791.423	8.333.33

**The dominant fish catches:**

Spotted shark, White snapper, Leopard coral grouper, Eagle-rayfish, Spanish mackerel, Squids

## IV. LAND OF FISHERIES INDUSTRY AT 170,800 M<sup>2</sup>

Kejawanan Fishing Port has a big adequate potential area industry. There are 12 fisheries companies/business units in this area, excluding other fisheries companies along north coast of Cirebon city and its surrounding beyond port area. Among the prepared industrial land area (170,800 m<sup>2</sup>) only about 20,000 m<sup>2</sup> has been utilized.

**Table 9.4 Fisheries Companies in Industrial Area of Kejawanan Fishing Port**

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Pan Putra Samudera	Small Crab Processing	2.900
2	PD Horison	Fish Processing	1.892
3	PT. Evadarta Ciremai	SPBU (fuel center)	1.052
4	-	Ice Factory (not active)	3.500
6	UD Barokah	Salted Fish processing	1.400
7	PD Sambu	Fish Processing	4.072
8	UD Perinag	Mini Cold Storage	150
9	Eman Sulaiman	Fish Processing	629
10	Susi Tien	Sea Food Restaurant	1.000

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
11	Teng Hock	Shop	1.400
12	Cv. Eka Jaya Sentosa	Cold Storage	2.038
<b>TOTAL</b>			<b>20.033</b>

**V. BOATS DOMICILE IN PPN KEJAWANAN**

All boats that domicile and operate in Kejawanan are inboard powered boats with various capacities, mostly medium and big capacity of boats.

**Table 9.5 of Fishing Boat Capacity (GT) and Its Number in Kejawanan Fishing Port**

YEAR	INBOARDPOWERED BOAT (Unit)						
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2002	1	6	42	61	65	6	-
2003	1	3	35	57	62	6	-
2004	4	34	445	49	44	24	1
2005	3	27	350	41	53	18	-
2006	5	23	268	42	49	19	-

**VI. LOGISTIC**

Generally, the logistic supply of water and ice as well as fuel/diesel fuel in this port has been sufficient.

**Table of Logistic Supply and Demand in Kejawanan Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	5,00	5.00	-
- Water	20.00	20.00	-
- Ice	11.28	11.28	-



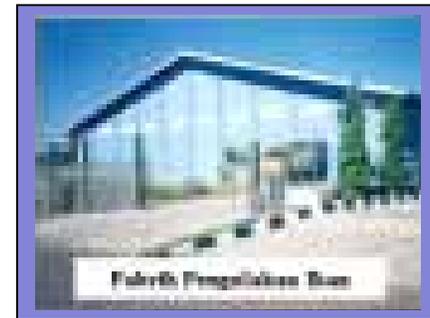
**Figures 9.1 Fuel Center in Kejawanan Fishing Port**



**Figures 9.2 Quay in Kejawanan Fishing Port**



**Figures 9.3 Fishing Vessels and Fish Auction Center in Kejawanan Fishing Port**



**Figures 9.4 Fish Processing Unit in Kejawanan Fishing Port**

## 10. ARCHIPELAGO FISHING PORT PEKALONGAN – CENTRAL JAVA

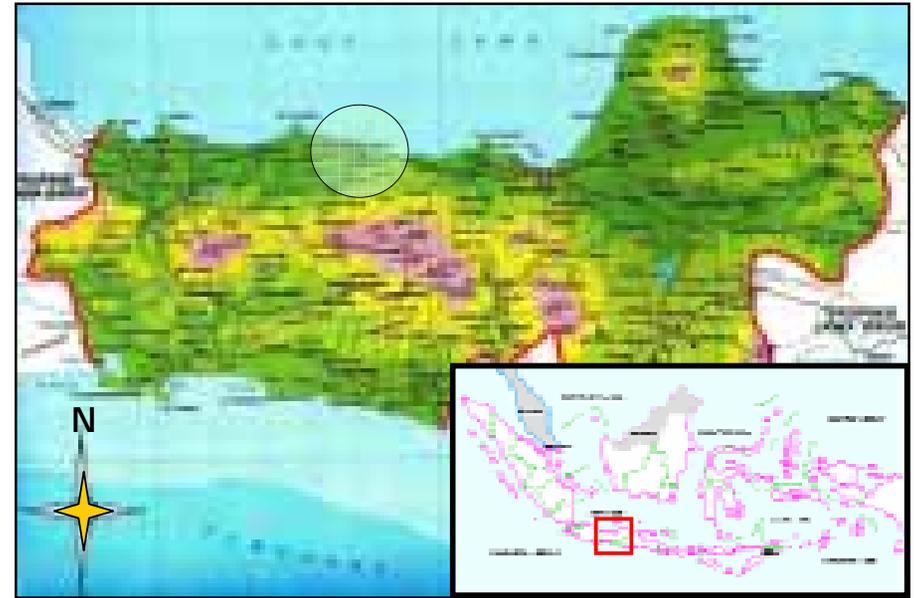


Address : Jl.WR. Supratman No.1 Pekalongan (51114)  
 Phone : 0285-424500 Fax : 0285-424740  
 Email : Website :  
 Contact : Dedi Sutisna



Lazari Fish Processing

Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Central Java	32.799,71	32.908.850	1.44 (2000-2005)	193.435.263 (2004)	234.435.323 (2005)	21,20	Statistics (2005/2006)
Pekalongan City	45,25	267.574	1,00 (2004-2005)	1.925.403 (2003)	2.126.428 (2004)	10,44	Dalam Angka 2005

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Pekalongan locates at:

- a. River/Bay/Beach : Beach
- b. Province : Central Java
- c. Regency/City : Pekalongan
- d. District : North Pekalongan
- e. Village/Sub-District : Panjang Wetan
- f. Geographic position : 11° 51' 55" South latitude  
109° 41' 34" East longitude
- g. Distance toward
  - Capital city of Province : 105 km
  - Capital city of Regency/City : 6 km
  - District : 2 km

## II. FACILITIES IN PPN PEKALONGAN

Fishing Port of Pekalongan is the particular archipelago fishing port which is located in northern part of Central Java Province, facing Java Sea. The facilities in this fishing port are as follow:

**Table 10.1 Facilities in Pekalongan Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Retaining Wall (east & west)	595 M'	11. Port Office	375 M2
2. Water Depth	-2.2 M	12. BPN	214 M2
3. West Pier	345 M'	13. Office of Perum PPS	361 M2
4. East Pier	220 M'	14. UPL	2
5. Shipping Route	1.200 M'	15. Integrated Checking Post	132 M2
6. Navigation Facilities	3 Units	16. Equipment Storage	180 M2
<b>B. Functional Facilities</b>			
1. Repair Station	120 M2	17. Fuel Supply Building	342,73 M2
2. Slipway	2.000 M2	18. Drainage	100 M'
3. Net Repair Place	300 M2	19. Fish Basket Storage	243 M2
4. Parking Lot	345 M2	20. West Complex Road	1.150 M'
5. Water Tower and Installation	2	21. East Complex Road	1.350 M'
6. TPI in Southern Part	1.930 M2	<b>C. Supporting Facilities</b>	
7. TPI in Northern Part	3.740 M2	1. Waserda	120 M2
8. Fishermen Shelter	131 M2	2. Official House	60 M2
9. Retail Market	135 M2	3. Information Room	48 M2
10. Genset House & Genset	1	4. Maritime Tourism Building	300 M2
		5. Aquarium Building	300 M2
		6. Operator Guest House	85,5 M2

## III. OPERATIONAL DATA IN PPN PEKALONGAN

In the years from 2001 to 2005, the operation of Pekalongan Fishing Port was fluctuating with decreasing trend. The various operational activities in Pekalongan fishing port, such as numbers of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 10.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Pekalongan Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	20.000	696	113.730	29.015	33.070
2002	18.255	735	95.585	22.931	26.385
2003	19.005	751	88.976	30.401	25.389
2004	19.235	725	91.197	25.219	24.843
2005	14.120	568	74.545	3.471	19.946
2006*		138	7.144		1.828

\*Data up to May 2006

Likewise with the operational activities, catches production trend was also fluctuating, as well as associated value, as seen in the following table:

**Table 10.3 Fishing Activity, Production and Value Products in Pekalongan Fishing Port**

YEAR	BOAT VISIT (Time)	FISH (Unit)		YEAR
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	7.777	71.913	207.428.690	200
2002	6.747	51.761	166.569.875	144
2003	6.200	55.158	168.976.533	153
2004	5.662	58.963	181.549.499	164
2005	4.797	43.350	177.962.019	120
2006*	810	5.624	28.098	62

The dominant fish catches:

Scad mackerel, Eastern little tuna, Indonesian oil sardine, Marine catfish, Rayfish

\*Data up to May 2006

## IV. LAND OF FISHERIES INDUSTRY AT 31,000 M<sup>2</sup>

Pekalongan Port has the potential area for industry, although it's not a big area. There are 3 fisheries companies/business units in that area. The number is excluded other fisheries companies along north coast of Java around Pekalongan City beyond port area.

**Table 10.4 Fisheries Companies in Industrial Area of Pekalongan Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Humitekindo Utama	Seaweed Powder	5,000
2	PT. Samudra Dokindo Prima	Dock & Dockyard	22,500
3	KSO SPBN Jasa Mina	SPBN (fuel center)	3,500
<b>TOTAL</b>			<b>31,000</b>

**V. BOATS DOMICILE IN PPN PEKALONGAN**

All boats that domicile and operate in Pekalongan are inboard powered boats with various capacities, mostly medium to big capacity boats. There is neither any outboard powered boat nor any non-powered boat in this port.

**Table 10.5 Fishing Boat Capacity (GT) and Number in Pekalongan Fishing Port**

YEAR	INBOARD POWERED BOAT (Unit)					
	< 10 GT	11 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2001	104	95	60	346	73	78
2002	102	57	16	406	140	30
2003	51	104	20	470	99	27
2004	55	171	48	396	94	9
2005	50	100	4	331	72	15
2006*	40	48	8	40	20	2

**VI. LOGISTIC**

Generally the logistic supply of water and ice as well as fuel/diesel fuel in this port has been sufficient to the demand.

**Table 10.6 Logistic Supply and Demand in Pekalongan Fishing Port**

SUPPLY	DEMAND Ton	FULFILLED Ton	SHORTAGE Ton
- Fuel/Diesel fuel	4.638.7	4.638.7	-
- Kerosene	117.1	117.1	-
- Water	2.664.4	2.664.4	-
- Ice	10.220.5	10.220.5	-



**Figures10.1 East Quay in Pekalongan Fishing Port**



**Figures 10.2 West Quay in Pekalongan Fishing Port**



**Figures 10.3 Net Repairing Center in Pekalongan Fishing Port**

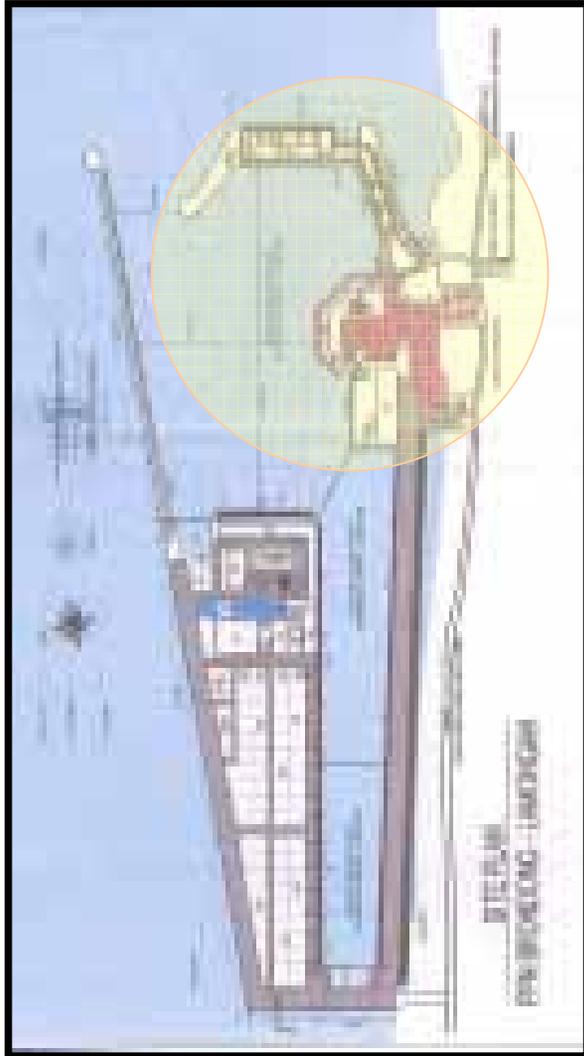


**Figures 10.4 Fish Auction Center in Pekalongan Fishing Port**

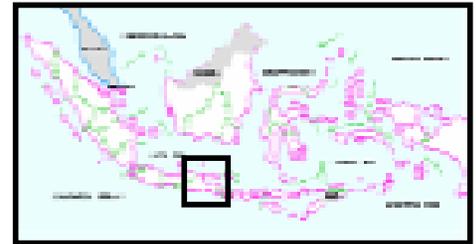
## 11. ARCHIPELAGO FISHING PORT BRONDONG – EAST JAVA



Address : Jl. Raya No. 17 Brondong Lamongan (62263) East Java  
 Phone : 0322-663105 Fax : 0322-663105  
 Email : Website :  
 Contact : Tharmizi Asri RS, APi



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
East Java	46,689.64	35,550,000	0.45 (2000-2005)	300,992,100 (2003)	341,765,923 (2004)	13.55	Statistic (2005/2006)
Lamongan City	1,812.8	1,365,402	0.02 (2001-2002)	3,543,605 (2002)	3,915,546 (2003)	10.50	Dalam Angka

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Brondong locates at:

- a. River/Bay/Beach : Beach
- b. Province : East Java
- c. Regency/City : Lamongan
- d. District : Brondong
- e. Village/Sub-District : Brondong
- f. Geographic Position : 06° 53' 30.81" South latitude  
112° 17' 01, 22" East Longitude
- g. Distance toward
  - Capital City of Province : 70 km
  - Capital City of Regency/City : 40 km
  - District : 1 km

## II. FACILITIES IN PPN BRONDONG

Fishing port of Brondong is one of the particular archipelago fishing ports in Java Island. This port is located in north coast of East Java Province, facing Java Sea with total area more than 34 Ha. Facilities in this fishing port are as follow:

**Table 11.1 Facilities in Brondong Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Land	34.844,4 M2	11. Trays Storage	100 M2
2. Port Pond	3,4 Ha	12. Fishermen Shelter	100 M2
3. Water Depth	-2 M	13. Water Tower	1 Unit
4. Turap	2.138,7 M2	14. Fuel Tank	1 Unit
5. Complex Road	636,5 M	15. Fuel Selling Place	36 M2
6. Pier	100 M2	16. Electricity	345 KVA
7. Breakwater	97 M	17. Genset	3 Unit
<b>B. Functional Facilities</b>			
1. UPT Office	348 M2	18. Water Tandon	220 M2
2. Wasdi Hall	48 M2	19. Fish Sorting Room	120 M2
3. BPN	125 M2	20. Packing Room	100 M2
4. Marine Navigation Sign	2 Unit	21. Repair Station	120 M2
5. In-land Navigation Sign	2 Unit	22. Equipment Storage	20 M2
6. Furnigation Room	60 M2	23. Parking Area	312 M2
7. Fish Processing Room	300 M2	<b>C. Supporting Facilities</b>	
8. Reefer Container	1 Unit	1. House for Port Officer	120 M2
9. Excavator & Pontoon	1 Unit	2. Operator Guest House	150 M2
10. TPI Building	1.080 M2	3. Official House	200 M2
		4. Guest House	70 M2

## III. OPERATIONAL DATA IN PPN BRONDONG

In years from 2001 to 2005, the operation of Brondong Fishing Port was fluctuating with stagnant trend. Indicators of various operational activities in Brondong Fishing Port such as numbers of fishermen, fishing gears and utilization of ice, fuel and water are shown in the following table:

**Table 11.2 Fishing Gear Number and Utilization of Ice, Fuel and Water in Brondong Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	11.803	1.495	5.277	-	9.426
2002	11.850	1.495	28.339	-	10.795
2003	11.984	1.495	38.948	4.492	10.782
2004	12.160	1.495	37.634	8.536	13.829
2005	12.783	1.495	24.740	8.456	17.367
2006*	12.785	1.495	5.317	1.393	7.110

\*) Data up to March 2006

The catches were also fluctuating; after increasing in years 2002 to 2004, production was decreasing in 2005. In the other side the associated values were keep on increasing, as shown in following table:

**Table 11.3 Fishing Activity, Production and Value Products in Brondong Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	25.438	23.352	33.900.386	63.978
2002	15.133	23.107	30.173.912	63.306
2003	15.678	30.288	107.165.722	82.980
2004	18.195	45.947	209.729.756	125.882
2005	24.245	39.296	229.885.367	107.660
2006*	3.986	7.865	48.200.089	87.388

**The dominant fish catches:**

Goat fish, Rayfish, Big eyes, Marine catfish

\*) Data up to March 2006

## IV. LAND OF FISHERIES INDUSTRY AT 1,000 M<sup>2</sup>

Brondong Port has an area for industry but relatively small. There is only 1 fisheries company/business unit in that area. Meanwhile the other fisheries companies are located beyond port area.

**Table 11.4 Fisheries Companies in Industrial Area of Brondong Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	KPRI Nusantara Jaya	BAP Kiosk	1.000
<b>TOTAL</b>			<b>1.000</b>

**V. BOATS DOMICILE IN PPN BRONDONG**

All boats that domicile and operate in Brondong are inboard powered boats by various capacities of small and medium capacity boats.

**Table 11.5 Fishing Boat Capacity (GT) and It's Total in Brondong Fishing Port**

YEAR	INBOARD POWERED BOATS (Unit)					
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	327	930	86	-	-	-
2002	327	949	86	-	-	-
2003	311	1.128	56	-	-	-
2004	403	934	48	-	-	-
2005	224	934	48	-	-	-
2006*	224	934	48	-	-	-

\*) Data up to March 2006

**VI. LOGISTIC**

The logistic supply of fuel/diesel fuel and ice in this port has not sufficient with demands, while the water supply has been sufficient.

**Table 11.6 of Logistic Supply and Demand in Brondong Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	42.6	15.47	27.13
- Water	80	80	-
- Ice	100	68	32



**Figures 11.1 Brondong Fishing Port**



**Figure 11.2 Fish Auction Center in Brondong Fishing Port**



**Figure 11.3 Fuel Center in Brondong Fishing Port**



**Figure 11.4 Fishermen Hall in Brondong Fishing Port**

## 12. ARCHIPELAGO FISHING PORT PRIGI – EAST JAVA



Address : Watulimo District, Trenggalek Regency  
 Phone : 0355-551945, 551147 Fax : 0355-551995  
 Email : Website :  
 Contact : Suyadi, A.Pi



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
East Java	46,689.64	35,550,000	0.45 (2000-2005)	300,992,100 (2003)	341,765,923 (2004)	13.55	Statistic (2005/2006)
Trenggalek	1,205.22	682,465	0.73 (2002-2005)	1,853,840 (2004)	2,134,636 (2005)	15.15	Dalam Angka 2006

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Prigi locates at:

- a. River/Bay/Beach : Bay
- b. Province : East Java
- c. Regency/City : Trenggalek
- d. District : Watulimo
- e. Village/Sub-district : Tasikmadu
- f. Geographic Position : 111° 43' 58" East longitude & 08° 17' 22" South latitude
- g. Distance toward
  - Capital City of Province : 200 km
  - Capital City of Regency/City : 45 km
  - District : 3 km

## II. FACILITIES IN PPN PRIGI

Prigi Fishing Port is the particular archipelago fishing port in southern part of East Java Province, facing Indian Ocean. This port has an area more than 13 Ha. The facilities in this fishing port are as following:

**Table 12.1 Facilities in Prigi Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Land	13.7 Ha	10. Water Basin	40 Ton
2. Port pond	15 Ha	11. Electrical Network	250 KVA
3. Water Depth		12. Genset Room at 30 KVA	35 M2
<b>C. Supporting Facilities</b>			
4. Breakwater	710 M'	1. Official House	4 Unit
5. Pier	552 M'	2. Guest House	240 M2
6. Complex Road	1.123.5 M'	3. Old BPN	200 M2
7. Revetment	830 M'	4. New BPN	300 M2
<b>B. Functional Facilities</b>			
1. Old Office	120 M2	5. Equipment Storage	80 M2
2. New Office	655 M2	6. Fish/salt Storage	80 M2
3. TPI I Building	940 M2	7. Pump House	15 M2
4. TPI II Building	459 M2	8. Water Supply Installation	1 Unit
5. Signal Light	4 Unit	9. Fuel Installation	1 Unit
6. SPDN	50 Ton	10. 2 Wheels Official Vehicle	10 Bh
7. Repair Station	120 M2	11. 4 Wheels Official Vehicle	2 Bh
8. Ice Factory	20 Ton	12. 3 Wheels Official Vehicle	3 Bh
9. Water Tower	30 Ton	13. Diving Equipment	4 Unit

## III. OPERATIONAL DATA IN PPN PRIGI

In the years from 2001 to 2006, the operation of Prigi Fishing Port was increasing. The operational activities indicators in Prigi fishing port, such as numbers of fishermen, fishing gears and utilization on ice, fuel and water are as follow:

**Table 12.2 Total Fishers, Fishing Gear and Utilization of Ice, Fuel and Water in Prigi Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	4.190	660	-	-	-
2002	4.210	703	-	-	-
2003	4.325	760	1.710	2.171	-
2004	5.526	1.556	3.836	3.010	1.243
2005	6.235	1.757	5.579	2.782	798
2006	6.271	1.677	5.734	3.848	8.360

Although, the production was decreasing, but its value trend was increasing as shown in following table:

**Table 12.3 Fishing Activity, Production and Value Products in Prigi Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	28.305	14.028	24.205.142	38.432
2002	67.273	57.293	53.836.786	159.968
2003	40.241	46.756	54.467.454	128.098
2004	-	17.794	58.309.700	48.751
2005	33.529	14.346	51.064.500	39.304
2006	22.952	23.603	83.485.900	64.666

The dominant fish catches:  
Indonesian oil sardine, Hair tails, Skipjack tuna, Big eye tuna, Yellow tail, Long tail tuna, Blue fin tuna

## IV. LAND OF FISHERIES INDUSTRY AT 7.7 Ha

Prigi Port has the big adequate potential area for industry. In that area was located 3 fisheries companies/business units, excluding other fisheries companies along south coast of the province and surrounding areas beyond the port area. Among the prepared industrial land area (77,000 m<sup>2</sup>) only 45,000 m<sup>2</sup> has been utilized.

**Table 12.4 Fisheries Companies in Industrial Area of Prigi Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	Indo Prima Bahari	Cold storage	10.000
2	PT. Bumi Mina Jaya	Fish powder	25.000
3	PT. Sumber Pangan Nasional	Cold storage	10.000
<b>Total</b>			<b>45.000</b>

**V. BOATS DOMICILE IN PPN PRIGI**

From 2004, all boats that domicile and operate in Prigi are inboard powered boats with small to medium capacity boats.

**Table 12.5 Fishing Boat Capacity (GT) and Its Number in Prigi Fishing Port**

YEAR	NON POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)					
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	90	274	175	96	-	-	-
2002	45	274	175	112	-	-	-
2003	5	477	85	112	-	-	-
2004	-	647	73	115	-	-	-
2005	-	649	105	120	-	-	-
2006	-	741	136	230	-	-	-

**VI. LOGISTIC**

The logistic supply of water and ice as well as fuel/diesel fuel and kerosene in this port has been fulfilled as requirements.

**Table 12.6 Logistic Supply and Demand in Prigi Fishing Port**

SUPPLY	DEMAND Ton	FULFILLED Ton	SHORTAGE Ton
- Fuel/Diesel fuel	7,71	7,71	-
- Kerosene	0,38	0,38	-
- Water	22,90	22,90	-
- Ice	15,71	15,71	-



**Figures 12.2 Fish Auction Center and Quay in Prigi Fishing Port**



**Figures 12.3 Fuel and Clean Water Facility in Prigi Fishing Port**



**Figures 12.4 Cold Storage and Fish Meal Industry in Prigi Fishing Port**

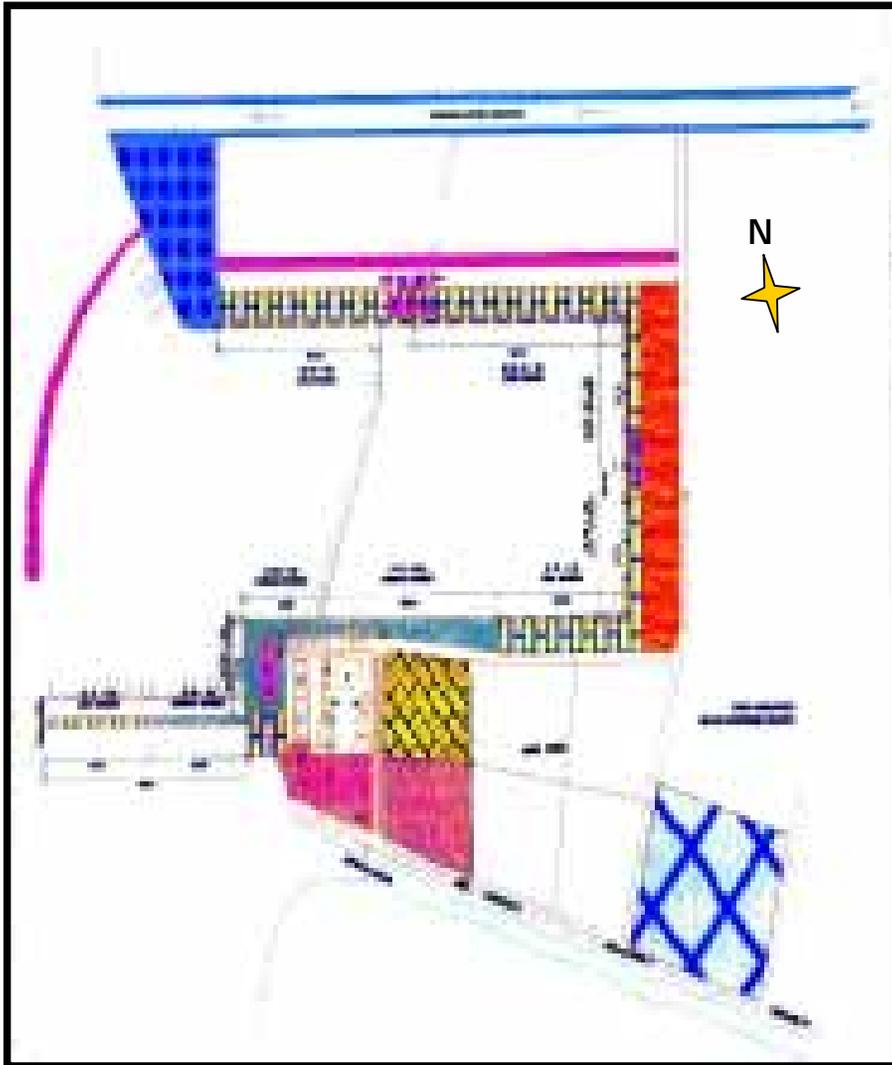


**Figures 12.1 Prigi Fishing Port, Port Office and Breaking Wave Facility**

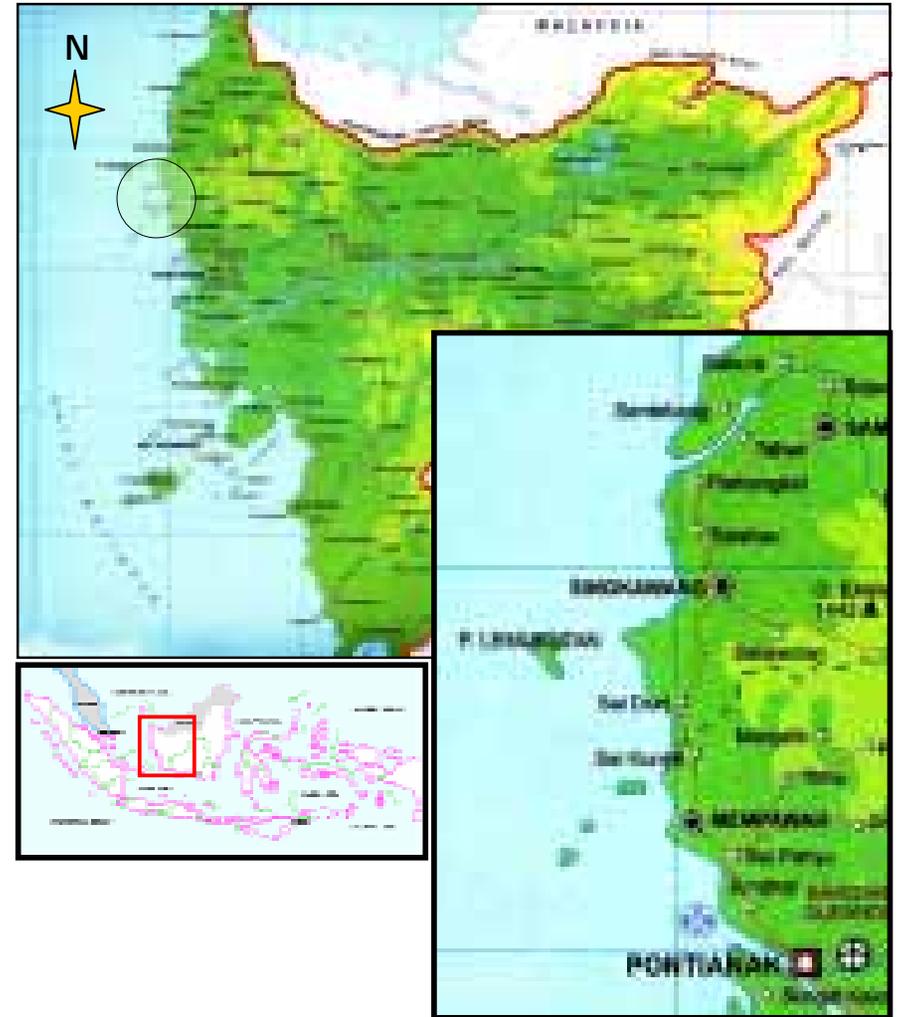
### 13. ARCHIPELAGO FISHING PORT PEMANGKAT – WEST KALIMANTAN



Address : Jl. Penjajap Timur Pemangkat, Sambas (79453)  
 Phone : 0562-242066 Fax : 0562-244113  
 Email : Website :  
 Contact : Ir. A.H. Tampubolon



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
West Kalimantan	120,114.32	4,394,000	1.67 (2000-2005)	26,062,747 (2003)	29,631,056 (2004)	13.69	Statistic (2005/2006)
Sambas	6,395.7	494,531	1.51 (2002-2003)	2,281,559 (2002)	2,511,218 (2003)	10.07	Dalam Angka 2004

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Pemangkat locates at:

- a. River/Bay/Beach : Sungai Sambas Besar
- b. Province : West Kalimantan
- c. Regency/City : Sambas
- d. District : Pemangkat
- e. Village/Sub district : Penjajap
- f. Geographic Position : 107,35° 108,18' East longitude  
02,30° 03,15' South latitude
- g. Distance toward
  - Capital City of Province : 177 km
  - Capital City of Regency/City : 50 km
  - District : 3 km

## II. FACILITIES IN PPN PEMANGKAT

Pemangkat Fishing Port is one of the 3 particular Archipelago fishing ports in Kalimantan Island. This port is located in western part of the island; facing Malacca Strait. The port area is more than 7 Ha. Facilities in this fisheries port are as follow:

**Table 13.1 Facilities in Pemangkat Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Land	7.5 Ha	6. Processing on Water	500 M2
2. Water Depth		7. Office Administration	200 M2
3. Complex Road	4.015 M2	8. BPN	150 M2
4. Pier	1.495 M2	9. Parking Lot	335 M2
5. Jetty	654 M2	10. Repair Station	120 M2
6. Port Pond	2.600 M2	11. Fish Packing Building	320 M2
7. Turap	572.24 M2	12. Bridge	16.5 M2
8. Drainage	2.081 M2	13. Retaining Wall Garbage	100 Titik
<b>B. Functional Facilities</b>			
1. TPI	320 M2	14. Fuel Installation	1 Unit
2. Ice Factory	240 M2	15. Electricity Installation	1 Unit
3. Drilling Well	2 Unit	<b>C. Supporting Facilities</b>	
4. Basin for Water Treatment	2 Unit	1. Official House	70 M2
5. Reservoir Basin	100 M3	2. Waserda	2 Unit
		3. Fishermen Shelter	1 Unit

## III. OPERATIONAL DATA IN PPN PEMANGKAT

In the years from 2001 to 2005, the operation of Pemangkat Fishing Port trend was fluctuating, but with gradually increasing of fishermen and fishing gears numbers. Indicators of this port operation such as number of fishmen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 13.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Pemangkat Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	1.487	109	34.510	6.876	16.615
2002	1.487	109	37.546	7.491	18.333
2003	1.530	111	31.630	6.455	16.604
2004	1.861	111	16.604	7.071	28.474
2005	1.888	225	30.505	6.834	20.079
2006*	1.894	228	8.501	1.736	7.550

\*) Data up to March 2006

From 2003, catches production in this port was increasing. Likewise with the increasing catches, its values also were increasing from year to year as seen in the following table:

**Table 13.3 Fishing Activity, Production and Value Products in Pemangkat Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	11.868	5.918,11	8.246.530	16.440
2002	16.922	5.338,11	9.216.100	14.830
2003	14.671	6.405,00	15.436.020	17.790
2004	17.969	9.205,00	35.168.020	25.600
2005	14.748	9.278,77	45.038.120	25.770
2006*	3.486	2.240,77	15.047.178	24.897

The dominant fish catches: Yellowstripe trevally, Hardtail scad, Eastern little tuna, Spanish mackerel, Horse mackerel, Marine catfish, Stripped sail

\*) Data up to March 2006

## IV. LAND OF FISHERIES INDUSTRY AT 35,000 M<sup>2</sup>

Pemangkat Port has the potential area for industry. There are 12 fisheries companies/business units in this area, excluding other fisheries companies along coast surrounding beyond port area. Among the prepared industrial land of 35,000 m<sup>2</sup> only about 4,800 m<sup>2</sup> has been utilized.

**Table 13.4 Fisheries Companies in Industrial Area of Pemangkat Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	Ajin	Fish packing	-
2	Ny. Nongning	Food / coffee stall	432
3	PD Sumber Laut/Holdy	Packing / fish capture	304
4	Ajun	Fish packing	144
5	Ny. Afung	Food / coffee stall	144
6	Ngaku/Ceku	Fish Agent	276

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
7	PD Citra / Namku	Packing / fish capture	416
8	Fuitang	Fish packing	322
9	Ali Usman	Fish packing	33
10	PT. Dwi Tirta Investindo	Ice factory	1.000
11	Pergudangan	Retail fish trader	1.409
12	Bongkew	Fish packing	315
<b>TOTAL</b>			<b>4.795</b>

**V. BOATS DOMICILE IN PPN PEMANGKAT**

All boats that domicile and operate in Pemangkat are inboard powered boats with various capacities. There is neither any outboard powered boat nor any non-powered boat in this port.

**Table 13.5 Fishing Boat Capacity (GT) and It's Total in Pemangkat Fishing Port**

YEAR	INBOARD POWERED BOATS					
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	103	13	13	21	22	1
2002	109	8	8	25	22	1
2003	115	13	13	21	22	1
2004	83	48	25	32	28	1
2005	87	60	33	19	25	1
2006*	131	45	38	14	30	1

\*) Data up to March 2006

**VI. LOGISTIC**

Generally, the logistic demand of water and ice as well as fuel/diesel fuel in this port has not yet fulfilled as needs.

**Table 13.6 Logistic Supply and Demand in Pemangkat Fishing Port**

SUPPLY	DEMAND Ton	FULFILLED Ton	SHORTAGE Ton
- Fuel/Diesel fuel	18.98	5.40	13.58
- Water	55.78	40.00	15.78
- Ice	84.44	40.00	34.74



**Figures 13.1 Quay in Pemangkat Fishing Port**



**Figures 13.2 Clean Water Facility and Fish Auction Center in Pemangkat Fishing Port**



**Figures 13.3 Police Vessel and Reservoir in Pemangkat Fishing Port**

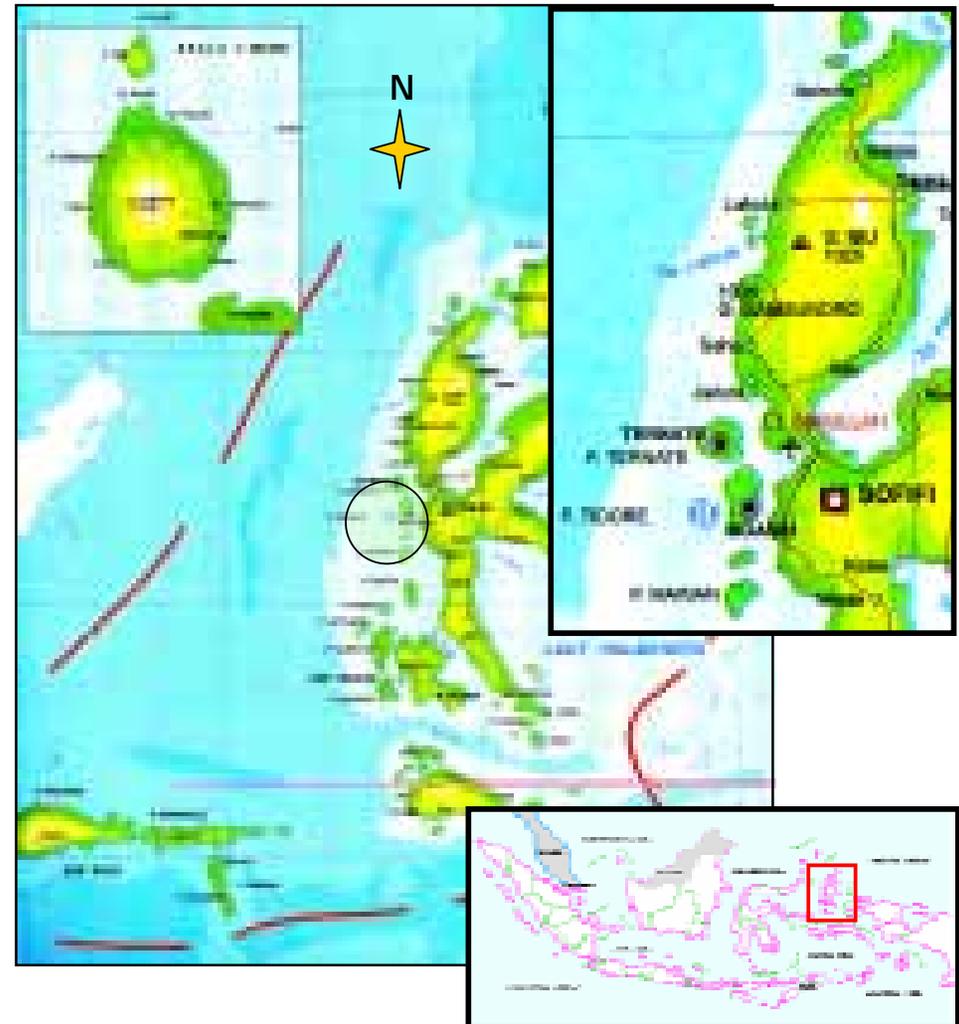
## 14. ARCHIPELAGO FISHING PORT TERNATE – NORTH MALUKU



Address : Jl. Pasar Inpres, Bastiong Kotak Pos.25 Ternate (97716)  
 Phone : 0921-21385 Fax : 0921-21128  
 Email : Website :  
 Contact : Dwi Yuliono Rochayadi, APi,



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
North Maluku	39,959.99	890,000	1.78 (2000-2005)	2,175,010 (2003)	2,368,433 (2004)	8.89	Statistic 2005/2006
Ternate City	250.85	156,735		368,357 (2002)	398,647 (2003)	8.22	Dalam Angka 2005

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Ternate locates at:

- a. River/Bay/Beach : Bastiong
- b. Province : North Maluku
- c. Regency/City : Ternate
- d. District : South Ternate
- e. Village/Sub-district : Bastiong
- f. Geographic Position : 00<sup>o</sup> – 46' – 03.06" North latitude  
127<sup>o</sup> – 22' – 41,10" East longitude
- g. Distance toward
  - Capital City of Province : 4 km
  - Capital City of Regency/ City : 4 km
  - District : 3 km

## II. FACILITIES IN PPN TERNATE

Ternate Fishing Port is one of the particular Archipelagos fishing ports in eastern part of Indonesia. This port has an area of 4 Ha and close access to Pacific Ocean. The facilities in this fishing port are as follow:

**Table 14.1 Facilities in Ternate Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		9. Block Ice Factory	3,5 Ton/hr
1. Land	4 Ha	10. Ice Factory	20 Ton/hr
2. Pier I	560 M <sup>2</sup>	11. Cold Storage	20 Ton/hr
3. Pier II	846 M <sup>2</sup>	12. Net Storage	210 M <sup>2</sup>
4. Water Depth	-7 M	13. Water Tower	10 M <sup>2</sup>
5. Turap	197 M <sup>2</sup>	14. Drill Well Building	20 M <sup>2</sup>
6. Jetty	450 M <sup>2</sup>	15. Parking Area	544 M <sup>2</sup>
7. Complex Road	5.140 M <sup>2</sup>	16. Equipment Storage	120 M <sup>2</sup>
<b>B. Functional Facilities</b>		17. Complex Road	6,235 M <sup>2</sup>
1. TPI	500 M <sup>2</sup>	18. Air Blast Freezer	3,5 T/hr
2. Administration Office	415 M <sup>2</sup>	<b>C. Supporting Facilities</b>	
3. Supervision Office	54 M <sup>2</sup>	1. Official House	10 Unit
4. Electrical Relay Station	21 M <sup>2</sup>	2. LPPMHP Building	300 M <sup>2</sup>
5. Genset	150 KVA	3. Official Vehicle	
6. Water Tank	2 Unit	▪ 4 wheels	2 Unit
7. Fishermen Meeting Hall	100 M <sup>2</sup>	▪ 2 wheels	4 Unit
8. Repair Station	200 M <sup>2</sup>		

## III. OPERATIONAL DATA IN PPN TERNATE

In the years from 2001 to 2005, the operation of Ternate Fishing Port trend was fluctuating, but with gradually increasing of fishermen and fishing gears numbers. Indicators of operational activities in this fishing port, such as numbers of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 14.2 Fishing Gear Number and Utilization of Ice, Fuel and Water in Ternate Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	432	65	357	5.976	2.777
2002	770	72	189	6.223	3.652
2003	830	75	261	5.535	4.280
2004	702	79	476	3.523	6.932
2005	1,167	85	381	1.689	6.787
2006	1,167	85	180	211	1.784

\*) Data up to March 2006

Likewise with the catches production trend was fluctuating, its values trend was also fluctuating, but with a general tendency of increasing as shown in the following table:

**Table 14.3 Fishing Activity, Production and Value Products in Ternate Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp.1000)	
2001	2.180	3.531	13.936	10
2002	3.336	3.897	14.324	11
2003	3.589	3.754	15.585	10
2004	6.937	3.831	14.052	11
2005	6.241	3.969	18.539	11

The dominant fish catches:  
Scad mackerel, Yellow tail, Eastern little tuna, Skipjack tuna, Indo-pacific mackerel

## IV. LAND OF FISHERIES INDUSTRY AT 1,000 M<sup>2</sup>

Ternate port has the potential area for industry but relatively small. There are 4 fisheries companies/business units in this area, excluding other fisheries companies in Ternate area and surrounding beyond port area.

**Table 14.4 Fisheries Companies in Industrial Area of Ternate Fishing Port**

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1.	PT. Mitra Nelayan Mandiri	Selling of Block ice	75
2.	PT. Ocean Mitaramas	Selling fish	--
3.	PT. Dwi Poli Perkasa	Selling fish	950
4.	PT. Usaha Mina	Selling fish	84
TOTAL			1.109

**V. BOATS DOMICILE IN PPN TERNATE**

All boats that domicile and operate in Ternate are inboard powered boats as well as outboard powered boats. Mostly are small capacity boats.

**Table 14.5 Fishing Boat Capacity (GT) and It's Number in Ternate Fishing Port**

YEAR	OUTBOARD POWERED BOATS (Times)	INBOARD POWERED BOATS						
		< 10 GT	10 - 20 GT	20 - 30 GT	30 - 50 GT	50 - 100 GT	100 - 200 GT	> 200 GT
2001	1051	790	81	33	61	109	45	10
2002	1847	1155	19	44	76	141	46	8
2003	1847	1155	63	76	195	170	67	16
2004	4500	1852	210	189	67	84	31	4
2005	4278	1298	155	264	141	49	51	5

**VI. LOGISTIC**

The logistic supply of fuel/diesel fuel and ice in this port has not yet adequate, but water and kerosene supply has been adequately.

**Table 14.6 Logistic Supply and Demand in Ternate Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	8	4	4
- Kerosene	1	1	-
- Water	20	20	-
- Ice	20	15	5



**Figures 14.2 Jetty and Quay in Ternate Fishing Port**



**Figures 14.3 Fish Landing Activity and Fish Market in Ternate Fishing Port**



**Figure 14.1 >100 GT Fishing Vessel in Ternate Fishing Port**

## 15. ARCHIPELAGO FISHING PORT AMBON – MALUKU



Address : Jl. Sultan Hasanuddin, Pandan Kasturi, Ambon 97128  
 Phone : (0911) 355222, 354728 Fax : (0911) 345291  
 Email : Website :  
 Contact : Ir. F.P. Lesnusa



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Maluku Province	47.350,42	1.266.000	1,66 (2000-2005)	3.688.653 (2003)	4.048.283 (2004)	9,75	Statistics (2005/2006)
Ambon City	377,00	262.967	4,98 (2000-2005)	1.277.169 (2002)	1.364.983 (2003)	6,88	Dalam Angka 2005

## I. ENVIRONMENTAL CONDITION

Archipelago fishing port of Ambon locates at:

- |                         |   |                                   |                                   |  |
|-------------------------|---|-----------------------------------|-----------------------------------|--|
| a. River/Bay/Beach      | : | Ambon                             |                                   |  |
| b. Province             | : | Maluku                            |                                   |  |
| c. Regency/City         | : | Ambon                             |                                   |  |
| d. District             | : | Sirimau                           |                                   |  |
| e. Village/Sub District | : | Pandan Kasturi                    |                                   |  |
| f. Geographic Position  | : | <u>03° 40' 97" South latitude</u> | <u>03° 40' 15" South latitude</u> |  |
|                         |   | 128° 9' 57" East Longitude        | 128° 10' 09" East Longitude       |  |
|                         |   | <u>03° 49' 58" South latitude</u> | <u>03° 40' 25" South latitude</u> |  |
|                         |   | 128° 10' 29" East Longitude       | 128° 10' 42" East Longitude       |  |
- g. Distance toward
- Capital city of Province : 3 km
  - Capital city of Regency/City : 3 km
  - District : 3 km

## II. FACILITIES IN PPN AMBON

Ambon Fishing Port is one of the particular archipelago fishing port in eastern part of Indonesia. This port is located in Ambon City as capital city of Maluku Province which is a one of the top fisheries producer provinces in Indonesia. Facilities in this fishing port are as follow:

**Table 15.1 Facilities in Ambon Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Pier	444,6 m'x 8 m'	10. Reefer container	12 Ton
2. Water Depth		11. Air blast freezer	4 Ton
3. Revetment	600 M	12. Parking area	88 M2
4. Complex Road	3000 M'	13. Garbage disposal place	1 Unit
5. Open Drainage	1317 M'	14. Electricity & installation	82,5 Kva
6. Close Drainage	110 M'	15. Hydrant	1 unit
7. Trestle / Jetty 7 units	6 s/d 10m' x 6m'	16. Fire safety	8 unit
8. Groin	354 buah	17. Fender	45 Buah
<b>B. Functional Facilities</b>			
1. Administration Office	150 M2	<b>C. Supporting Facilities</b>	
2. TPI	375 M2	1. Signal light	3 Buah
3. Drill well	1 unit	2. SSB Radio	2 unit
4. Water tanks 2 units	200 & 40 Ton	3. Internet	1 unit
5. Ice factory	10 Ton	4. car garage	15 M2
6. Genset 2 units	18 & 75 Kva	5. Official House for Port officer	70 M2
7. Fuel Tank	500 Kl	6. Official House 4 units	36 M2
8. Genset house	125 M2	7. Poli clinic	100 M2
		8. Education&Technology Kiosk	10 M2

## III. OPERATIONAL DATA IN PPN AMBON

In the years from 2001 to 2006, the operation of this fishing port was increasing, particularly in 2006. The indicators of operational activities in Ambon fishing port such as number of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 15.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Ambon Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR** (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	140	7	-	7485	1148
2002	240	12	-	-	1520
2003	2000	100	120	1921	2610
2004	3000	150	227	3211	2160
2005	5233	229	124	5943	5347
2006*	5819	226	-	13909	5476

\*\*) Include the transport boats

Production and value of all catches were fluctuating. In 2006, both production and value were jumping very high, as seen in the following table:

**Table 15.3 Fishing Activity, Production and Value Products in Ambon Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	38	-	-	-
2002	43	-	-	-
2003	353	551,37	1.499.954,15	1.511
2004	348	456,98	775.043,89	1.252
2005	552	716,16	2.178.949,35	1.962
2006*	267	24.490,84	87.064.981.114	204.090

The dominant fish catches:

Indo-pacific mackerel, Scad mackerel, Hair tail, Indonesian oil sardine, Scavengers, Squids, Tiger shrimp, Treadfin beams

\*) Data up to April 2006

## IV. LAND OF FISHERIES INDUSTRY AT 17,609 M<sup>2</sup>

Ambon Port has an adequate potential area for industry. There are 8 fisheries companies/business units in this area. That number is excluding the other fisheries companies in Ambon City and surrounding beyond the port area. Among the prepared industrial area of 17,609 m<sup>2</sup>, only 12,600 m<sup>2</sup> has been utilized; the remaining is 5,000 m<sup>2</sup>.

**Table 15.4 Fisheries Companies in Industrial Area of Ambon Fishing Port**

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Damar Alam Bahari	Supplier	5.200
2	PT. Nugraha Minatama	Processing	1.200
3	PT. Tri Satria Samudra	Processing	1.200
4	CV. Cipta Alam Segar	Processing	1.000
5	CV. Mitra Utama Maluku	Processing	1.200
6	CV. Saleh Group	Processing	1.200
7	Fa. Sanu	Processing	1.200
8	Yuslam Mardaz	Processing	400
<b>TOTAL</b>			<b>12.600</b>

**V. BOATS DOMICILE IN PPN AMBON**

All boats that domicile and operate in Ambon Fishing Port are inboard powered boats with various capacities, mostly big capacity boats (>100 GT).

**Table 15.5 Fishing Boat Capacity (GT) and It's Number in Ambon Fishing Port**

YEAR	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)						
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2001	-	-	-	-	-	1	2	4
2002	-	-	-	-	-	-	4	48
2003	-	-	-	2	2	8	44	44
2004	-	7	1	12	7	12	66	45
2005	-	2	2	5	2	14	106	98
2006	4	-	1	9	1	17	110	118

**VI. LOGISTIC**

Generally, the logistic supply in this port has been sufficient except water, the supply has not sufficient yet.

**Table 15.6 of Logistic Supply and Demand in Ambon Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel Fuel	550	Pertamina	-
- Kerosene	-	-	-
- Water	120	60	60
- Ice	-	-	-



**Figure 15.1 Quay in Ambon Fishing Port**



**Figure 15.2 Development Area in Ambon Fishing Port**

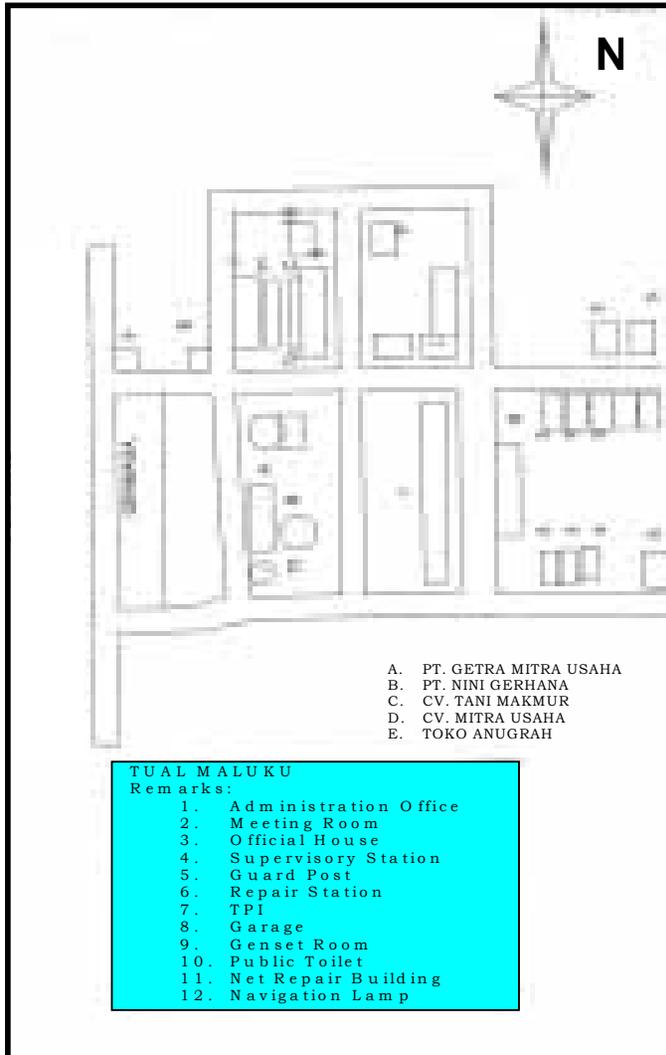


**Figure 15.3 Fish Auction Center in Ambon Fishing Port**

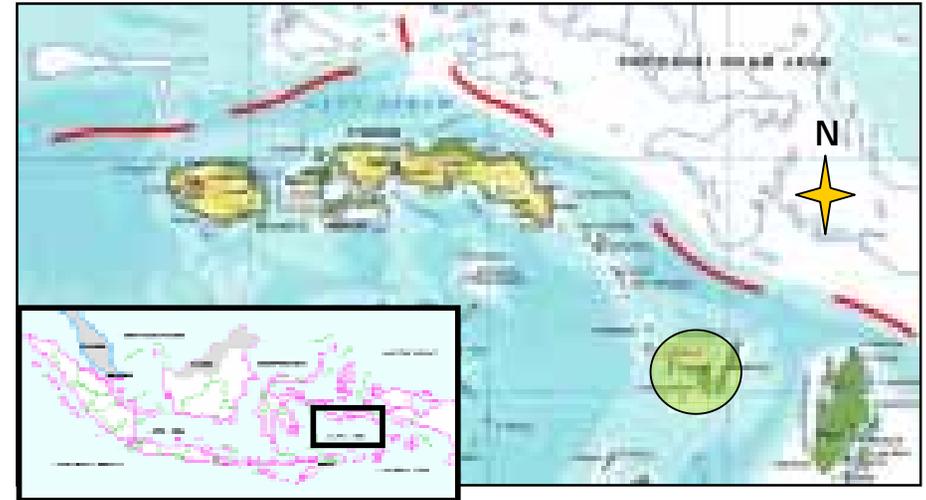
## 16. ARCHIPELAGO FISHING PORT TUAL – MALUKU



Address : Jl. Dumar Tual Southeast Maluku  
 Phone : 0916-22681 Fax : 0916-22946  
 Email : Website :  
 Contact : Ir. J. Jantje Patty



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Maluku Province	47.350,42	1.266.000	1,66 (2000-2005)	3.688.653 (2003)	4.048.283 (2004)	9,75	Statistics (2005/2006)
Southeast Maluku	3.665	147.182	2,92 (2000-2005)	507.926 (2002)	537.103 (2003)	5,74	Dalam Angka 2005/2006

## I. ENVIRONMENTAL CONDITION

Archipelago Fishing Port of Tual locates at:

- a. River/Bay/Beach : Tual
- b. Province : Maluku
- c. Regency/City : Southeast Maluku
- d. District : South Dullah
- e. Village/Sub-district : Dumar
- f. Geographic Position : 05° 36' 54.5" North latitude  
132° 44' 30" East longitude
- g. Distance toward
  - Capital City of Province : 528 km by air
  - Capital City of Regency/City : 3 km
  - District : 3 km

## II. FACILITIES IN PPN TUAL

Tual Fishing Port is one of the particular Archipelago fishing ports in eastern part of Indonesia. The facilities in this fishing port are as below:

**Table 16.1 Facilities in Tual Fishing Port**

FACILITIES	VOLUME	UNIT	VOLUME
<b>A. Primary Facilities</b>			
1. Shipping route	5,45 Mil	4. Genset	50 Kva
2. Pier	176x6 M <sup>2</sup>	5. Electric network	44.500 Kva
3. Water Depth	-6 M	6. BPN	590,7 M <sup>2</sup>
4. Navigation Tower	15 M	7. Net repair room	462 M <sup>2</sup>
5. Port pond	6 M	8. Reservoir	149,85 M <sup>3</sup>
6. Land/port area	10 Ha	9. Fuel tank	41.130 Liter
7. Forest land	10 Ha	10. Administration office building	550,25 M <sup>2</sup>
<b>B. Functional Facilities</b>			
1. TPI Building	450 M <sup>2</sup>	<b>C. Supporting Facilities</b>	
2. Repair station	324 M <sup>2</sup>	1. Official house	8 Unit
3. Genset Building	108 M <sup>2</sup>	2. 2 wheels vehicle	2 Unit
		3. 4 wheels vehicle	5 Unit

## III. OPERATIONAL DATA IN PPN TUAL

For the period of 2001 - 2002, the operation of Tual Fishing Port was increasing. The indicators of various operational activities in this fishing port, such as number of fishermen, fishing gears and utilization of ice, fuel and water in these 2 years are as below:

**Table 16.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Tual Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR** (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	3.450	503	-	-	-
2002	4.150	561	-	10.010	9.850

Meanwhile the catches production trend was fluctuating and so was its value trend as seen in table below:

**Table 16.3 Fishing Activity, Production and Value Products in Tual Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	746	23.362,99	207.909.975	65
2002	771	22.871,01	210.053.965	64
2003	695	50.376,99	486.511.370	140
2004	516	34.736,01	319.921.650	97
2005	797	51.261,11	532.884.190	142
2006*	425	47.477,00	531.961.817	528

The dominant fish catches:

Snapper, Black pomfret, Indian mackerel, Silver pomfret, Marine catfish, Treadfin brems, Hardtail scad, Scad mackerel, Squids, Shrimp

\*) Data up to April 2006

## IV. LAND OF FISHERIES INDUSTRY AT 4 Ha

Tual Port has the potential area for industry. There are 6 fisheries companies/business units established in that area, excluding the other fisheries companies beyond port area. From the prepared industrial land of 40.000 m<sup>2</sup> only approximately 10,000 m<sup>2</sup> has been utilized.

**Table 16.4 Fisheries Companies, Type of Business and Their Area in Industrial Area of Tual Fishing Port**

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Pusaka Bahari	Cold Storage, Ice factory, employees housing, genset	6.376
2	PT. Getra Mina Usaha	SPBN	1.248
3	PT. Nini Gerhana	Telecommunication stall, supply building, water supply	1.617
4	CV. Tani Makmur	Kiosk	220
5	Toko Anugrah	Kiosk	210
6	CV.Mitra Usaha	Inflatable life craft service & firefighters	104
<b>TOTAL</b>			<b>9.775</b>

## V. BOATS DOMICILE IN PPN TUAL

All boats that domicile and operate in Tual are inboard powered boat with big capacities. There is neither any boat with small and medium capacity as well as nor any outboard powered boat and non powered boat.

**Table 16.5 Fishing Boat Capacity (GT) and Number in Tual Fishing Port**

YEAR	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)						
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2003	-	-	-	-	-	26	108	46
2004	-	-	-	-	-	24	96	67
2005	-	-	-	-	-	-	229	17
2006	-	-	-	-	-	-	229	17

**VI. LOGISTIC**

The logistic demand of water in this port has not yet sufficiently fulfilled to match its need. Other logistic demand such as fuel, kerosene and ice have not information.

**Table 16.6 Logistic Supply and Demand in Tual Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel Fuel	-	58	-
- Kerosene	-	-	-
- Water	35.94	22.64	13.30



**Figure 16.1 Tual Fishing Port**



**Figure 16.2 Quay in Tual Fishing Port**



**Figure 16.3 Tual Fishing Port**

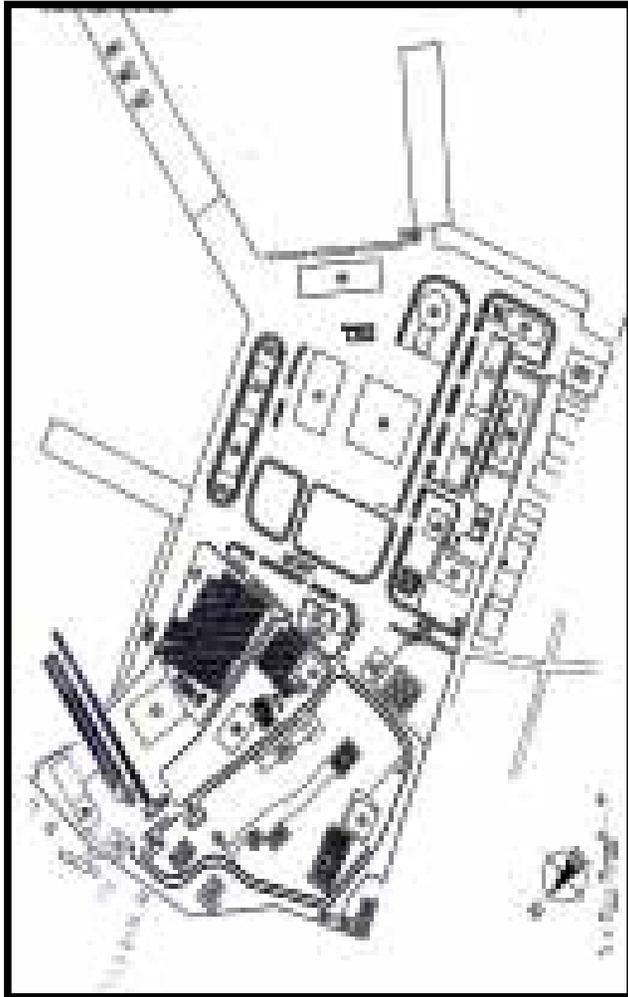


**Figure 16.4 Fuel and Water Facility in Tual Fishing Port**

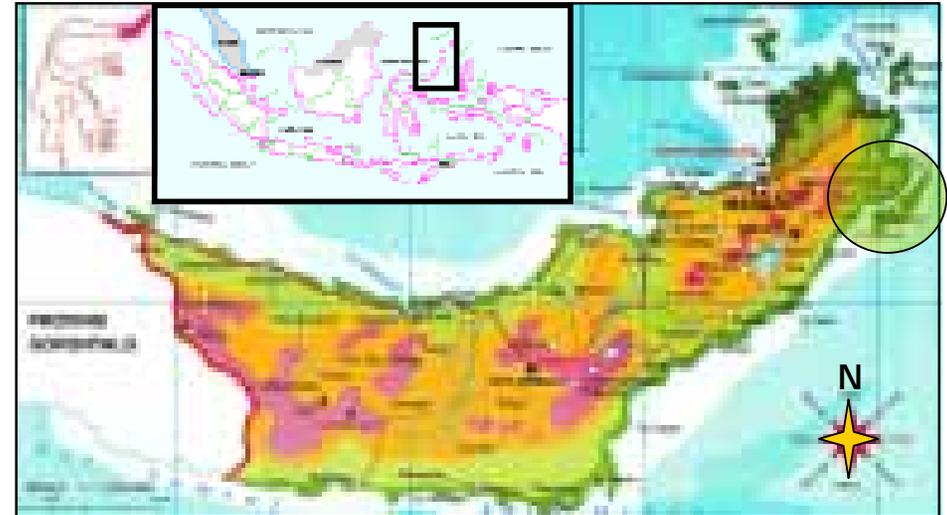
## 17. ARCHIPELAGO FISHING PORT BITUNG – NORTH SULAWESI



Address : Sub District Aertembaga, Bitung Timur, Bitung City 95526  
 Phone : 0438-36775 Fax : 0438-36775  
 Email : Website :  
 Contact : Ir. E. Worang



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
North Sulawesi	13.930,73	2.142.000	1,37 (2000-2005)	13.984.355 (2003)	15.690.192 (2004)	12,20	Statistic (2005/2006) Dalam Angka 2006

## I. ENVIRONMENTAL CONDITION

Bitung Fishing Port locates at:

- a. River/Bay/beach : Aer Tembaga Beach
- b. Province : North Sulawesi
- c. Regency/City : Bitung
- d. District : Central Bitung
- e. Village/Sub District : Aer Tembaga
- f. Geographic Position : 0° - 26' - 55" North latitude  
125° - 12' - 20" East longitude
- g. Distance toward
  - Capital city of Province : 50 km
  - Capital city of Regency/City : 2 km
  - District : 1 km

## II. FACILITIES IN PPN BITUNG

Bitung Fishing Port is one of the existing archipelago fishing ports in eastern part of Indonesia. This port is located in edge of north of Sulawesi Island close with Bitung Development Zone and Bitung Container Port, facing Pacific Ocean. The facilities in this fishing port are as follow:

**Table 17.1 Facilities in Bitung Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Concrete Pier	126 x 14 m'	7. Well + pump	5 Ltr/det
2. Water Depth	-5 m; -1 m	8. Office	605 m2
3. Wharf	115 x 14 m'	9. IPAL	75 m2
4. Drainage	490 m2	10. Alcon pump	1 unit
5. Complex Road	2.400 m2	11. Genset	1.500 kva
6. Road and drainage	6.550 m2	12. Operational boat 25 pk	1 unit
7. Pier Extension	63.2 m2	<b>C. Supporting Facilities</b>	
<b>B. Functional Facilities</b>			
1. Auction place (TPI)	1.420 m2	1. Ice crusher 5 ton/hour	1 unit
2. Water Installation	1 unit	2. Seller Kiosk 7 units	84 m2
3. Electricity Installation	13 kw	3. Cool box	40 buah
4. Packing place	456 m2	4. Pallet forklift 2.5 ton	5 unit
5. Water pump	1 unit	5. Pallet fork lift 2 ton	5 unit
6. Reservoir	50 m3	6. Operator guest house	108 m2
		7. Leader official house	150 m2

## III. OPERATIONAL DATA IN PPN BITUNG

The indicators of operational activities in Bitung fishing port such as the number of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 17.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Bitung Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2004			730	4.453,75	3.150
2005	1.818		23.546,91	11.105,75	10.393
2006		1.147	4.369,80	2.886,75	4.660

In years from 2003 to 2006, the production of all catches trends was increasing rapidly. Likewise its associated values, the trend also was increasing sharply, as seen in following table:

**Table 17.3 Fishing Activity, Production and Value Products in Bitung Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2002	-	-	-	-
2003	4.017	1.102,00	-	-
2004	4.956	2.323,65	-	-
2005	16.014	6.050,82	26.971.081	16.807
2006	21.571	9.714,10	48.669.768	26.983

The dominant fish catches:

Scad mackerel, Skipjack tuna, Big eye tuna, Eastern little tuna, Yellow fin tuna, Yellowstripe trevally

## IV. LAND OF FISHERIES INDUSTRY AT 6,750 M<sup>2</sup>

Bitung Port has a potential area for industry. There are 8 fisheries companies/business units, excluding the other fisheries companies in Bitung area and surroundings beyond port area, including Manado area.

**Table 17.4 Fisheries Companies Type of Business and Their Area in Industrial Area of Bitung Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Getra Mitra Usaha	Supplier of Fuel/Diesel Fuel	927
2	PT. Mikaindo Abadi Cemerlang	Ice factory & processing plant	1.000
3	PT. Kelana Jaya Abadi	Block ice factory & processing of fresh/frozen fish	1.000
4	PT. Etmieco Sarana Laut	Processing Unit /chilled/cold storage	1.000
5	PT. Phatemaang Raya	Fresh/ frozen fish process	1.000
6	CV. Wailan Pratama	Material of fishing gear	500
7	PT. Balifish	Processing/frozen/cold storage	750
8	PT. Sari Tuna Makmur	Processing/ frozen/cold storage	1.000
<b>TOTAL</b>			<b>6.750</b>

**V. BOATS DOMICILE IN PPN BITUNG**

Boats that domicile and operate in Bitung Fishing Port are varies much, mostly non-powered boats, outboard powered boats and small capacity inboard powered boats. In 2006, the number of big capacity powered boats in this port was increasing up to 1,650 units.

**Table 17.5 Fishing Boat Capacity (GT) and Its Number in Bitung Fishing Port**

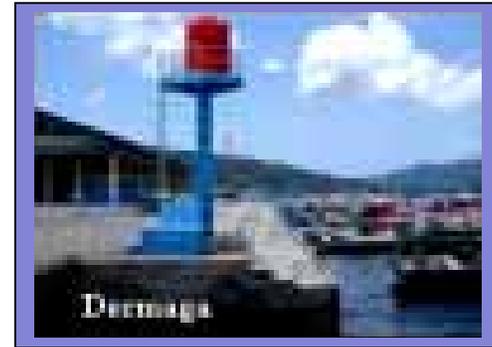
YEAR	NON POWERED BOATS (Unit)	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)					
			< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2003	-	-	2.700	768	-	340	-	-
2004	-	-	8.940	2.198	-	867	-	-
2005	-	-	12.285	533	206	106	86	25
2006	9.773	8.957	294	265	52	70	1.650	34

**VI. LOGISTIC**

Generally, all logistic supplies in this port such as water and ice have been sufficient as well as supplies of fuel/diesel fuel and kerosene have been adequate.

**Table 17.6 of Logistic Supply and Demand in Bitung Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	5	5	-
- Kerosen	2.712 liter	2.712 liter	-
- Wate	30	30	-
- Ice	15	15	-



**Figure 17.2 Quay in Bitung Fishing Port**



**Figure 17.3 Fuel Service Center in Bitung Fishing Port**



**Figure 17.1 Fish Auction Center in Bitung Fishing Port**

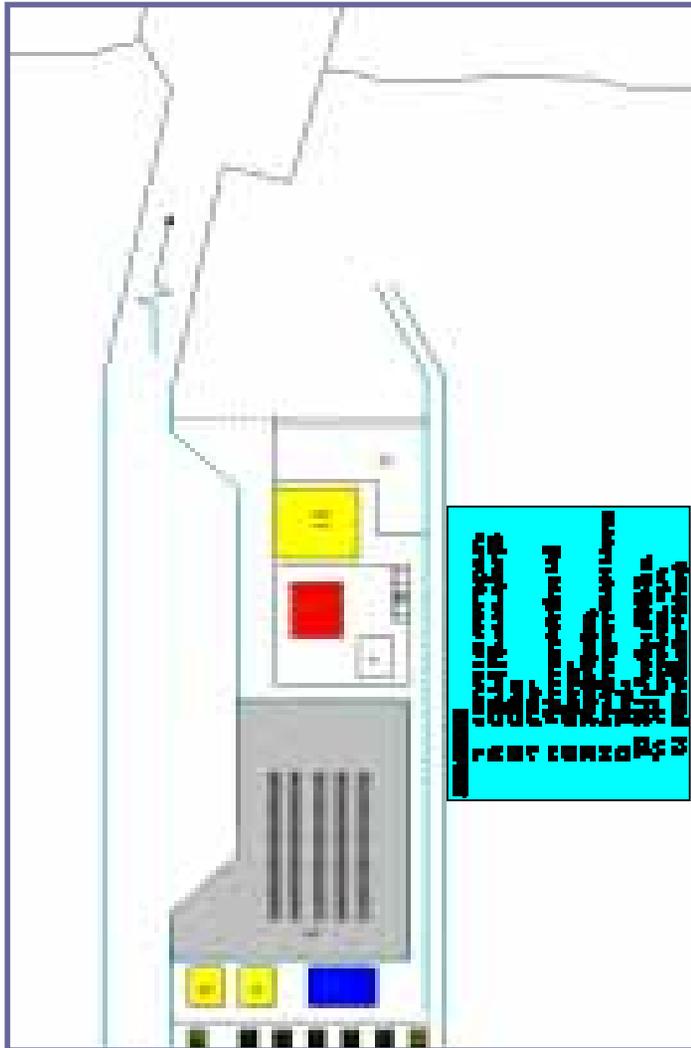


**Figure 17.4 Clean Water Facility in Bitung Fishing Port**

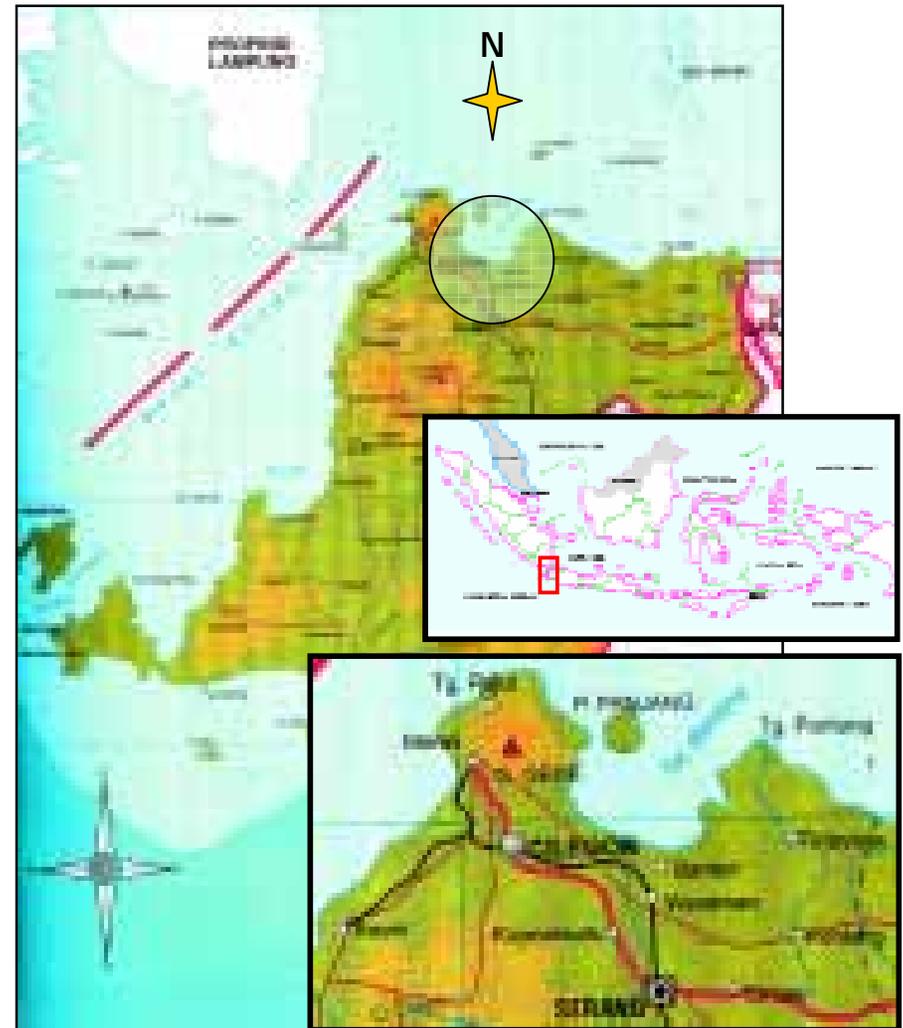
## 18. COASTAL FISHING PORT KARANGANTU – BANTEN



Address : Jl. Banten Karangantu Serang  
 Phone : 0254-202132 Fax : 0254-202132  
 Email : Website :  
 Contact : Suprpto, A.Pi, MM



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Banten Province	9,018.64	9,309,000	2.83 (2000-2005)	66,874,434 (2003)	74,562,754 (2004)	11.5	Statistic 2005/2006
Serang	1,724.09	1,652,763	2.80 (2000-2005)	8,212,198 (2002)	8,941,194 (2003)	8.88	Serang 2006

## I. ENVIRONMENTAL CONDITION

Coastal fishing port of Karangantu locates at:

1. River/Bay/Beach : Cibanten River
2. Province : Banten
3. Regency/City : Serang
4. District : Kasemen
5. Village/Sub-district : Banten
6. Geographic Position : 06° – 02' South latitude  
106° – 09' East longitude
7. Distance toward
  - Capital city of Province : 15 km
  - Capital city of Regency/City : 15 km
  - District : 5 km

## II. FACILITIES IN PPN KARANGANTU

Karangantu Fishing Port is one of the particular coastal fishing ports in Banten Province in north coast of Java. This port has area of 2.5 Ha. Facilities in this fishing port are as below:

**Table 18.1 Facilities in Karangantu Fishing Port**

FACILITIES	VOLUME	UNIT	REMARKS (Good/damage)
<b>A. Primary Facilities</b>			
1. Port area	2,5 Ha	9. PLN electrical Installation	
2. Pier	75 x 4 m <sup>2</sup>	10. Genset I	154 KVA
3. Water Depth	-2 m	11. Genset II	180 KVA
4. Port pond and Route	250 x 50 Ha	12. Genset III	225 KVA
5. Breakwater	550 m	13. Repair station	150 m <sup>2</sup>
6. Turap	700 m	14. Office 1	125 m <sup>2</sup>
7. Main Road	910 x 7 m	15. Office 2	250 m <sup>2</sup>
8. Complex Road	2.430 m <sup>2</sup>	16. Supervisory office	18 m <sup>2</sup>
<b>B. Functional Facilities</b>			
1. TPI	450 m <sup>2</sup>	<b>C. Supporting Facilities</b>	
2. Signal Light	1 Buah	1. Fishermen Meeting Hall	125 m <sup>2</sup>
3. SSB Radio	2 Buah	2. Operator housing	8 Unit
4. Drilling well	2 Unit	3. Fishermen housing	1 Unit
5. Water Treatment	1 Unit	4. Kiosk/Shop	4
6. Fresh water basin	150 m <sup>3</sup>	5. Kiosk	16 m <sup>2</sup>
7. Water tower	8 m <sup>3</sup>	6. Garage	25 m <sup>2</sup>
8. Ice facility	240 m <sup>2</sup>	7. CCTV	1 Unit
		8. 4 wheels vehicle	2 Unit
		9. 2 wheels vehicle	7 Unit

## III. OPERATIONAL DATA IN PPP KARANGANTU

In the years from 2001 to 2005, the operation of Karangantu Fishing Port trends was fluctuating. Indicators of various operational activities in fishing port, such as numbers of fishermen, fishing gears, fuel and water are as below:

**Table 18.2 Fishing Gear Number and Utilization of Ice, Fuel and Water in Karangantu Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	910	633	-	-	-
2002	885	570	-	-	-
2003	915	667	2.200	-	-
2004	942	297	1.080	-	29
2005	945	281	1.815	-	-
2006	973	283	6,5	-	-

After decreasing trend in years 2001 to 2003, the catches production and its value trends in years from 2004 to 2006 were increasing as shown in table below:

**Table 18.3 Fishing Activity, Production and Value Products in Karangantu Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	13.485	3.595	12.315.270	9.849
2002	20.615	2.835	12.223.027	7.767
2003	27.437	948	5.784.013	2.597
2004	19.649	979	8.410.530	2.682
2005	17.316	1.847	10.799.001	5.060
2006	17.505	1.984	10.005.884	5.435

The dominant fish catches:

Ponyfish, Fringescale sardine, Anchovy, Indo-pacific mackerel, Treadfin breams, Yellowstripe trevally

## IV. LAND OF FISHERIES INDUSTRY AT 9,520 M<sup>2</sup>

Karangantu Port has the potential area for industry. There are 2 fisheries companies/business units in this area, excluding the other fisheries companies along north coast of Java around Serang beyond port area.

**Table 18.3 Fisheries Companies in Industrial Area of Karangantu Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Fan Marine Shipyard	Docking	7.420
2	PT. Mega Mina Jaya	Fish powder factory	2.100
<b>TOTAL</b>			<b>9.520</b>

**V. BOATS DOMICILE IN PPP KARANGANTU**

All boats that domicile and operate in Karangantu Fishing Port are small and medium capacity boats, mostly outboard powered boats.

**Table 18.4 Fishing Boat Capacity (GT) and Its Number in Karangantu Fishing Port**

YEAR	NON POWERED BOATS (Unit)	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)					
			< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	35	497	105	27	-	-	-	-
2002	40	525	117	31	-	-	-	-
2003	25	510	120	35	-	-	-	-
2004	-	264	146	118	2	-	-	-
2005	-	256	154	105	1	-	-	-
2006	-	153	106	-	1	-	-	-

**VI. LOGISTIC**

Generally, all the logistic demands such as fuel/diesel fuel and ice in this port have not yet sufficiently fulfilled.

**Table 18.5 Logistic Supply and Demand in Karangantu Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	50	16	34
- Kerosene			
- Water			
- Ice	25	10	15

Remarks: SPDN and ice factory are still belong of Banten Regional Government



**Figure 18.1 Karangantu Fishing Port**



**Figure 18.2 Quay in Karangantu Fishing Port**



**Figure 18.3 Fish Auction Center in Karangantu Fishing Port**

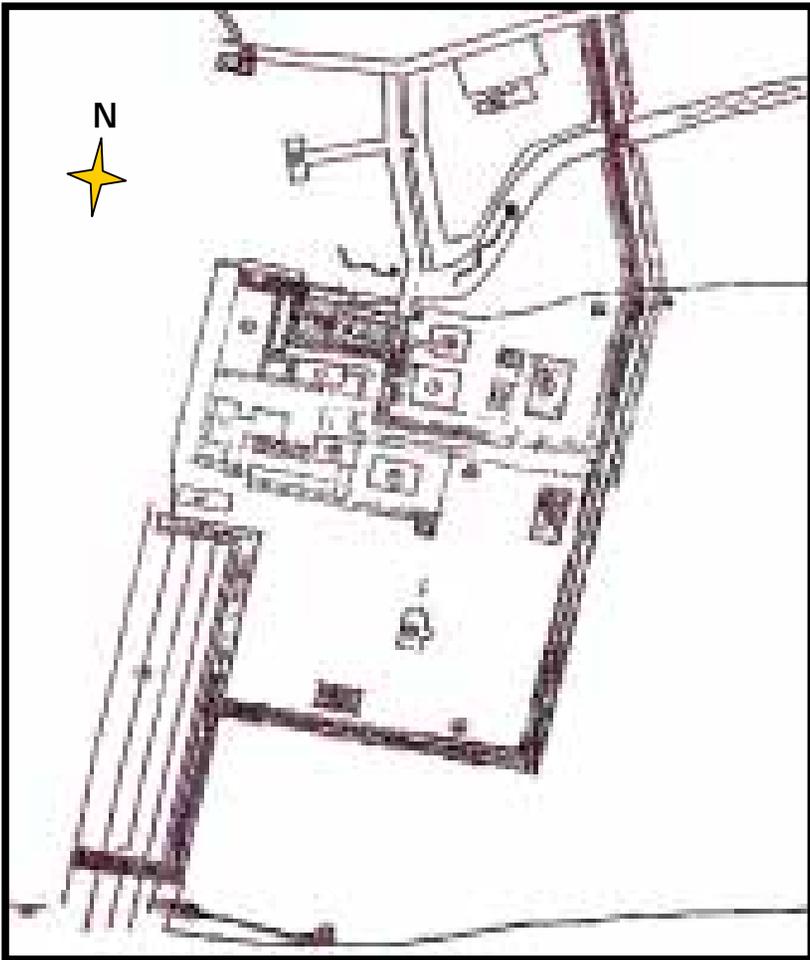


**Figure 18.4 Fuel Station in Karangantu Fishing Port**

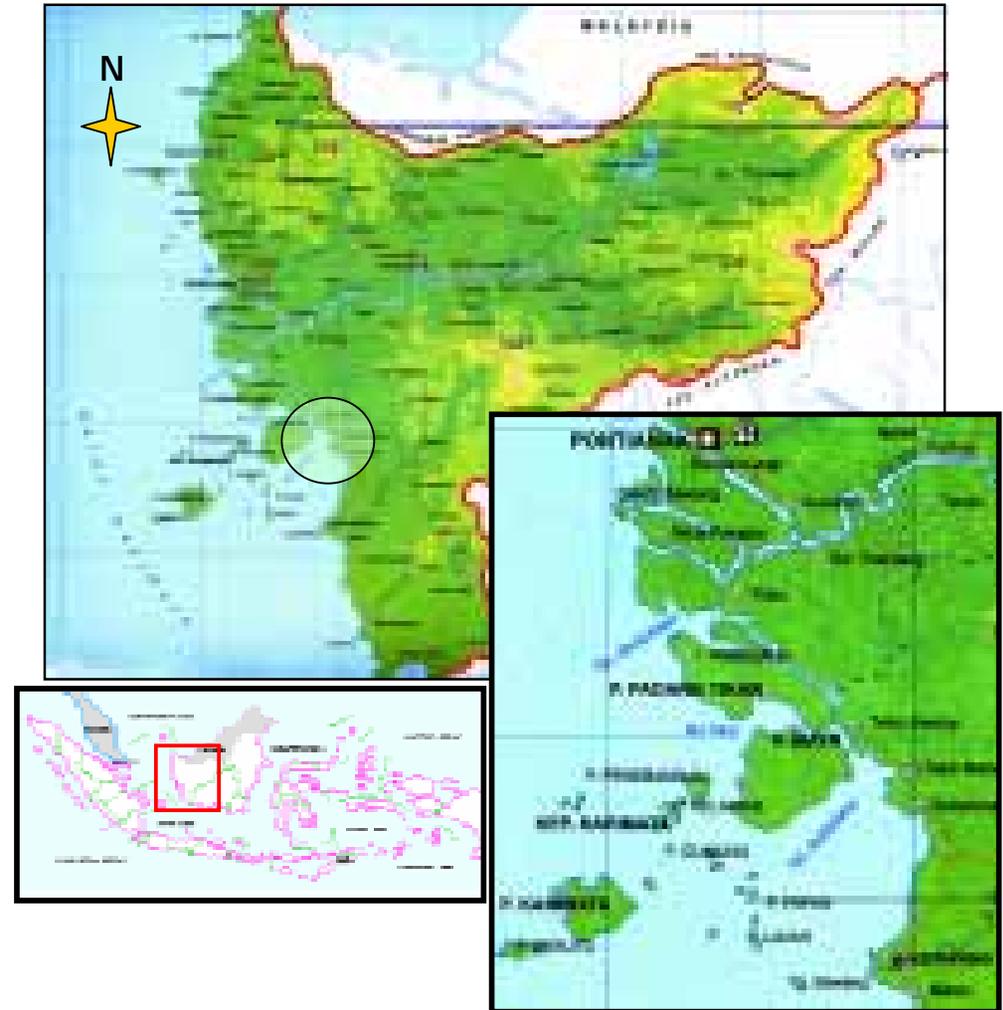
## 19. COASTAL FISHING PORT TELUK BATANG – WEST KALIMANTAN



Address : Jl. Pelabuhan I Teluk Batang Ketapang West Kalimantan Province  
 Phone : Fax :  
 Email : Website :  
 Contact : Misbar Barin. N, SPi, MM



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
West Kalimantan	120,114.32	4,394,000	1.67 (2000-2005)	26,062,747 (2003)	29,631,056 (2004)	13.69	Statistic (2005/2006)
Ketapang		473,880	3.85 (2003-2004)	1,581,444 (2003)	1,774,424 (2004)	12.20	Ketapang 2004

## I. ENVIRONMENTAL CONDITION

Coastal fishing port of Teluk Batang locates at:

- a. River/Bay/Beach : Malacca Straits
- b. Province : West Kalimantan
- c. Regency/City : Ketapang
- d. District : Teluk Batang
- e. Village/Sub district : Teluk Batang
- f. Geographic Position : 01° – 46' – 20" South latitude  
109° – 46' – 10" East longitude
- g. Distance toward
  - Capital City of Province : 237 km
  - Capital City of Regency/City : 132 km
  - District : 1km

## II. FACILITIES IN PPP TELUK BATANG

Teluk Batang Fishing Port is the coastal fishing port in West Kalimantan Province, facing Malacca Straits. This port has an area of 6,6 Ha, with facilities as following:

**Table 19.1 Facilities in Teluk Batang Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Port area	6,6 Ha	10. Slipway	60 M <sup>2</sup>
2. Pier	480 M <sup>2</sup>	9. Winch House	54 M <sup>2</sup>
3. Water Depth		10. Repair station	270 M <sup>2</sup>
4. Jetty	1.476 M <sup>2</sup>	11. Fishermen Meeting Building	152 M <sup>2</sup>
5. Retaining wall	100 M <sup>2</sup>	12. Office for port officer	72 M <sup>2</sup>
6. Complex Road	1.782 M <sup>2</sup>	13. Administration office	150 M <sup>2</sup>
<b>B. Functional Facilities</b>			
1. TPI	450 M <sup>2</sup>	14. Parking area	6.300 M <sup>2</sup>
2. Ice factory I 20 ton/day	240 M <sup>2</sup>	11. Genset house	50 M <sup>2</sup>
3. Ice factory II 13 ton/day	144 M <sup>2</sup>	15. Tower	1 Unit
1. Cold Storage by 30 ton	54 M <sup>2</sup>	<b>C. Supporting Facilities</b>	
2. Water tank and installation	50 M <sup>3</sup>	1. Operator housing	150 M <sup>2</sup>
3. Fuel tank and installation	2x100 M <sup>3</sup>	2. Official house for port officer	70 M <sup>2</sup>
4. Electricity and installation	1.300 KVA	3. Official house for employees	70 M <sup>2</sup>
5. Genset and installation	187,5 KVA	4. Official house for employees	50 M <sup>2</sup>
		5. Gues house	150 M <sup>2</sup>
		6. Iptek Kiosk	

## III. OPERATIONAL DATA IN PPP TELUK BATANG

In the years from 2001 to 2006, the operation of Teluk Batang was decreasing. Indicators of various operational activities in this fishing port, such as numbers of fishermen, fishing gears and utilization of ice, fuel and water are as below:

**Table 19.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Teluk Batang Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	6104	1368	75	-	-
2002	2392	759	36	312	-
2003	1159	684	26	-	-
2004	1143	596	34	258.4	632.7
2005	578	227	283	650.3	393.5
2006*	315	258	166	492	28

Thus likewise with decreasing operation, the catches production trend was also decreasing, meanwhile its value trends was fluctuating as seen in following table:

**Table 19.3 Fishing Activity, Production and Value Products in Teluk Batang Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	1346	387	1.601.000	1060
2002	1164	354	3.041.810	970
2003	765	397	3.241.600	1087
2004	535	195	2.026.350	534
2005	516	282	2.935.500	774
2006*	315	165	1.719.000	1833

The dominant fish catches:

White shrimp, Indian mackerel, Eastern little tuna, Shellfish, Croackers, Crabs, Mullet, Trevallies, Snapper, Squids

## IV. LAND OF FISHERIES INDUSTRY AT 47,959 M<sup>2</sup>

Teluk Batang Fishing Port has a big adequate potential area for industry. There are 3 fisheries companies/business units in the area, excluding other fisheries companies beyond port area. Among the prepared industrial land area of 48,000 m<sup>2</sup>, less than 1,000 m<sup>2</sup> has been utilized.

**Table 19.4 Fisheries Companies in Industrial Area of Teluk Batang Fishing Port**

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	Perdous Haidir	Collector	200
2	Aphiau / KUD Gunung Tujuh	Fuel selling	80
3	KPN. Mina Bahari	Heaping on goods	400
<b>TOTAL</b>			<b>680</b>

**V. BOATS DOMICILE IN PPP TELUK BATANG**

All boats that domicile and operate in Teluk Batang are small capacity boats, mostly non-powered boats. From 2001 to 2006, number of boats was decreasing.

**Table 19.5 Fishing Boat Capacity (GT) and Its Number in Teluk Batang Fishing Port**

YEAR	NON POWERED BOATS (Unit)	OUTBOARD POWERED BOATS (Unit)	INBOARD POWERED BOATS (Unit)					
			< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	497	74	62	-	-	-	-	-
2002	493	-	63	-	-	-	-	-
2003	485	-	63	-	-	-	-	-
2004	477	-	63	-	-	-	-	-
2005	160	-	46	-	-	-	-	-
2006*	160	-	46	-	-	-	-	-

\*) Data up to April 2006

**VI. LOGISTIC**

Generally, all logistic supplies of water and ice as well as fuel/diesel fuel and kerosene in this port have not yet satisfied their demands.

**Table 19.6 of Logistic Supply and Demand in Teluk Batang Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	3	2	1
- Kerosene	3	2	1
- Water	2	0.5	1.5
- Ice	5.5	1.8	3.7



**Figures 19.1 Quay in Teluk Batang Fishing Port**



**Figure 19.2 Fish Auction Center of Teluk Batang Fishing Port**



**Figure 19.3 Dredge Vessel in Teluk Batang Fishing Port**



**Figure 19.4 Water Facility in Teluk Batang Fishing Port**

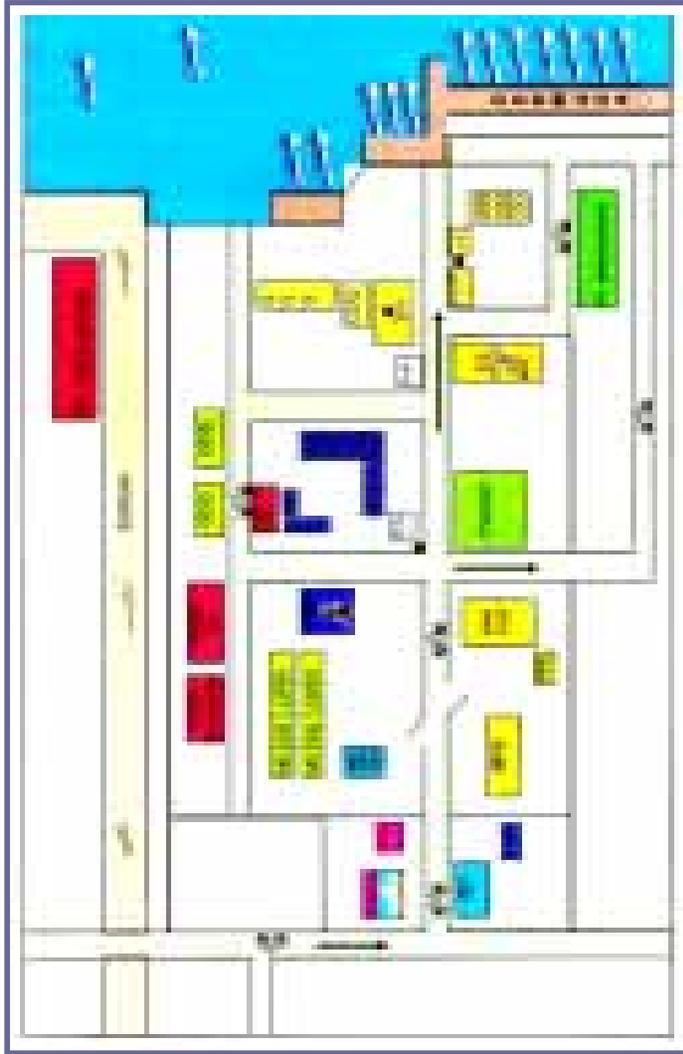


**Figure 19.5 Fuel Facilities in Teluk Batang Fishing Port**

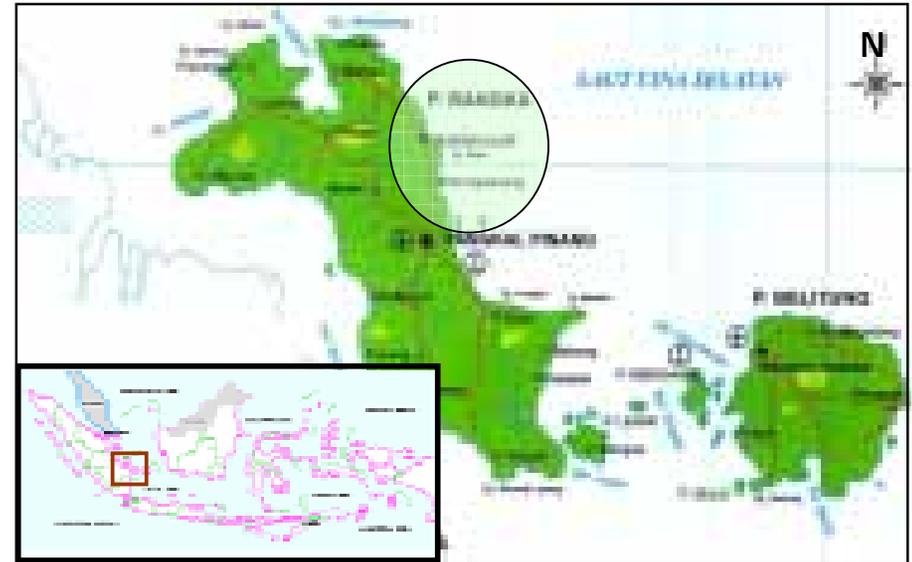
## 20. COASTAL FISHING PORT SUNGAILIAT – BANGKA BELITUNG ISLANDS



Address : Jl. Yos Sudarso Sungailiat Bangka, Bangka Belitung Islands  
 Phone : 0717-92432 Fax : 0717-92342  
 Email : Website :  
 Contact : Sutarjo, API, MM



Map of Port Access and Its Surrounding Areas



Location	Width (Km2)	Total Population	Population Growth (%)	GRDP at Prevailing Price (Million)	GRDP at Prevailing Price (Million)	Growth (%)	Source
Bangka Belitung Province	16,424.14	1,043,456	1.54 (2000-2005)	11,080,753 (2004)	13,387,737 (2005)	20.82	Statistic 2005/2006
Bangka	2,950.68	246,837	2.52 (2000-2005)	1,457,651 (2003)			Bangka 2004

## I. ENVIRONMENTAL CONDITION

Coastal fishing port of Sungailiat locates at:

- a. River/Bay/Beach : Air Kantung River
- b. Province : Bangka-Belitung Islands
- c. Regency/City : Bangka
- d. District : Sungailiat
- e. District/Sub-district : Sungailiat
- f. Geographic Postion :  $01^{\circ} - 51' - 56''$  South latitude  
 $106^{\circ} - 07' - 20''$  East longitude
- g. Distance toward
  - Capital City of Province : 32 km
  - Capital City of Regency/City : 5 km
  - District : 2 km

## II. FACILITIES IN PPP SUNGAILIAT

Sungailiat Fishing Port is the particular coastal fishing port in Bangka Belitung Islands Province. This port is located in Bangka Island facing Malacca Straits and having area more than 15 Ha. The facilities in this fishing port are as below:

**Table 20.1 Facilities in Sungailiat Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>			
1. Pond area	15.22 Ha	5. Building of ice factory, storage & cold room	360 M <sup>2</sup>
2. Pier	1.560 M <sup>2</sup>	6. Building of fish storage & shelter	165 M <sup>2</sup>
3. Water Depth	-3 M	7. Repair station	230 M <sup>2</sup>
4. Port pond	10.560 Ha	8. Water tank 100 ton	125 M <sup>2</sup>
5. Yard of fish landing	408 M <sup>2</sup>	9. Water tank 14 ton	9 M <sup>2</sup>
6. River Stone Turap	547 M <sup>2</sup>	10. Water Tower 3 ton	9 M <sup>2</sup>
7. Wood Turap	705 M <sup>2</sup>	11. Fuel tank	90 M <sup>2</sup>
8. Complex Road	3.400 M <sup>2</sup>	12. Parking area	1.800 M <sup>2</sup>
9. Fishermen industrial area	9.323 M <sup>2</sup>	13. Fish market	1.800 M <sup>2</sup>
<b>B. Functional Facilities</b>			
1. Administration office building	150 M <sup>2</sup>	14. Electrical installation	11.650 Watt
2. BPN	125 M <sup>2</sup>	15. SSB & communication facilities	1 Unit
3. TPI	450 M <sup>2</sup>	<b>C. Supporting Facilities</b>	
4. Packing building & fish storage	256 M <sup>2</sup>	6. Operator Housing	200 M <sup>2</sup>
		7. Official house of type C	2x70 M <sup>2</sup>
		8. Operator housing	150 M <sup>2</sup>

## III. OPERATIONAL DATA IN PPP SUNGAILIAT

In the years from 2001 to 2006, although numbers of fishermen and fishing gears was increasing, but generally the operation of Sungailiat Fishing Port was fluctuating. Indicators of various operational activities in this fishing port, such as numbers of fishermen, fishing gears and utilization of ice, fuel and water are as follow:

**Table 20.2 Total Fishing Gear and Utilization of Ice, Fuel and Water in Sungailiat Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	1.100	220	4.334	713	688.70
2002	1.100	218	4.149	222	595.65
2003	1.186	256	4.881	1.925	618.35
2004	1.350	309	4.902	2.124	776.05
2005	1.350	309	5.666	2.531	1.020.89
2006*	1.378	363	4.880	2.284	729

Likewise with the fluctuating catches production, its value fluctuates but with a general tendency of increasing, as shown in table below:

**Table 20.3 Fishing Activity, Production and Value Products in Sungailiat Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	11.776	3.171.29	29.505.685.00	13.214
2002	13.931	3.388.92	22.836.960.00	14.121
2003	13.026	3.229.66	18.248.851.30	13.457
2004	13.543	4.290.36	29.077.966.25	17.877
2005	11.700	3.629.75	32.274.929.50	15.124
2006*	11.175	3.543.00	40.389.107.00	14.762

The dominant fish catches:

Red snapper, Indonesian oil sardine, Black pomfret, Groupers, Hardtail scad, Yellowstripe trevally, Rayfish, Fringescale sardine, Marine catfish, Spanish mackerel, Treadfin breams, Squids

\*) Data up to November 2006

## IV. LAND OF FISHERIES INDUSTRY AT 9,323 M<sup>2</sup>

Sungailiat Fishing Port has the potential area for industry although not a large area. There are 15 fisheries companies/ business units in that area, excluding the other fisheries companies in Bangka Island beyond port area.

**Table 20.4 Fisheries Companies in Industrial Area of Sungailiat Fishing Port**

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Mansurano Utama	Ice Factory	2.820
2	PEMDA	Ice Factory	720
3	PT. Tirta Intan	Block Ice Factory	24
4	Ali Johan	Fish collecting storage	500
5	Mamat K.	Fish collecting storage	78
6	Budi	Fish collecting storage	117
7	H. M. Aras	Fish collecting storage	200
8	Josep	Fish collecting storage	150
9	KPL "Serba Guna"	BAP Shop	324

NO.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
10	Makkuasa Nagga	BAP Shop	102
11	(7 orang penyewa)	Canteen/Food stall	234
12	Hendri Thamrin	Premium & diesel fuel Agent	400
13	Pemda Bangka	Cold storage building	1.340
14	PT. Alwi Assegaf	Ice Factory	1.000
15	Pedagang ikan	Fish market (60 stands)	1.854
<b>TOTAL</b>			<b>9.323</b>

### V. BOATS DOMICILE IN PPP SUNGAILIAT

All boats that domicile and operate in Sungailiat are inboard powered boats with small capacity. From years 2001 to 2006, number of fishing boats in this port was increasing. There is neither any outboard powered boat nor any big capacity boat.

**Table 20.5 Fishing Boat Capacity (GT) and Number in Sungailiat Fishing Port**

YEAR	INBOARD POWERED BOAT (Unit)						
	< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT	> 200 GT
2001	249	-	-	-	-	-	-
2002	253	-	-	-	-	-	-
2003	253	-	-	-	-	-	-
2004	279	-	-	-	-	-	-
2005	284	-	-	-	-	-	-
2006	292	-	-	-	-	-	-

### VI. LOGISTIC

Generally, the logistic demand of water and ice as well as kerosene and fuel/diesel fuel in this port has not yet sufficiently fulfilled by supplies.

**Table 20.6 Logistic Supply and Demand in Sungailiat Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	14,20	10,55	3,65
- Kerosene	1,42	0,46	0,96
- Water	34,08	32,25	1,83
- Ice	28,40	23,61	4,79



**Figures 20.1 Quay and Fish Auction Center in Sungailiat Fishing Port**



**Figures 20.2 Dredge Vessel and Ice Factory in Sungailiat Fishing Port**



**Figures 20.3 Fuel Station and Clean Water Facility in Sungailiat Fishing Port**



## I. ENVIRONMENTAL CONDITION

Coastal fishing port of Pengambengan locates at:

- a. River/Bay/Beach : Beach
- b. Province : Bali
- c. Regency/City : Jembrana
- d. District : Negara
- e. Village/Sub district : Pengambengan
- f. Geographic Position : 08° 23' 46" South latitude  
114° 34' 47" East longitude
- g. Distance toward
  - Capital City of Province : 105 km
  - Capital City of Regency/City : 9 km
  - District : 9 km

## II. FACILITIES IN PPP PENGAMBENGAN

Pengambengan Fishing Port is the particular coastal fishing port in Bali Province. This port has an area of 10 Ha. The facilities in this fishing port are as below.

**Table 21.1 Facilities in Pengambengan Fishing Port**

FACILITIES	VOLUME	FACILITIES	VOLUME
<b>A. Primary Facilities</b>		3. Port office building	240 M <sup>2</sup>
1. Land	10 Ha	4. BPN	250 M <sup>2</sup>
2. Main Pier	1.050 M <sup>2</sup>	5. Water tower	6 M <sup>2</sup>
3. Ttrap pier	520 M <sup>2</sup>	6. Electrical installation	1 Unit
4. Water Depth	-3 M	7. Repair station	110 M <sup>2</sup>
5. Left Breakwater	884 M	8. Ice storage	30 M <sup>2</sup>
6. Right Breakwater	743 M	<b>C. Supporting facilities</b>	
7. Port pond	20 Ha	1. Official house	160 M <sup>2</sup>
8. Complex road	5.435 M <sup>2</sup>	2. Operator housing	36 M <sup>2</sup>
<b>B. Functional Facilities</b>		3. Parking area	2.040 M <sup>2</sup>
1. TPI building	320 M <sup>2</sup>	4. Quality Control building	150 M <sup>2</sup>
2. Net repair room	400 M <sup>2</sup>	5. Fish Delliberate room	75 M <sup>2</sup>

## III. OPERATIONAL DATA IN PPP PENGAMBENGAN

In the years from 2001 to 2006, the operation of Pengambengan fishing port was relatively increasing. The indicators of various operational activities in this fishing port, such as number of fishermen, fishing gears and utilization of ice, fuel and water are as below:

**Table 21.2 Fishing Gear Number and Utilization of Ice, Fuel and Water in Pengambengan Fishing Port**

YEAR	FISHERMEN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2001	3.000	74	-	-	-
2002	3.500	79	-	-	1.284

YEAR	FISHERMEN	FISHING GEAR	DISTRIBUTION (Ton)		
			ICE	FUEL	WATER
2003	4.300	85	5.350	-	1.376
2004	4.308	85	6.730	-	1.712
2005	4.308	90	6.420	2.262	2.140
2006	4.308	90	6.960	3.803	3.572

Although the operation has increasing trends but catches production trend was decreasing. In the other side, its value trend was increasing, as shown in table below:

**Table 21.3 Fishing Activity, Production and Value Products in Pengambengan Fishing Port**

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp. 1000)	
2001	2.200	12.589	5.526.338	41.964
2002	2.200	15.918	9.349.914	53.061
2003	2.230	12.814	8.265.995	42.679
2004	2.255	6.933	6.946.679	23.109
2005	2.257	6.630	9.803.878	22.099
2006	2.428	9.550	17.899.966	26.164

The dominant fish catches:  
Indonesian oil sardine, Eastern little tuna, Scad mackerel, Fringescale sardine

## IV. LAND OF FISHERIES INDUSTRY AT 52,000 M<sup>2</sup>

Pengambengan Port has the potential area for industry. There are 2 fisheries companies/business units in this area, excluding the other fisheries companies around port area. Among the prepared industrial area of 52,000 m<sup>2</sup>, only an area of 16,500 m<sup>2</sup> has been utilized.

**Table 21.4 Fisheries Companies in Industrial Area of Pengambengan Fishing Port**

No.	TENANT	TYPE OF BUSINESS	AREA (M <sup>2</sup> )
1	PT. Intan Sakti	SPDN	1.500
2	PT. Cilacap Samudera Fising Industry	Fish freezing, cold storage, fish canning factory, fish mill and dockyard also docking	15.000
<b>TOTAL</b>			<b>16.500</b>

## V. BOATS DOMICILE IN PENGAMBENGAN

All boats that domicile and operate in Pengambengan Fishing Port are powered boats with small and medium capacities, mostly outboard powered boats.

**Table 21.5 Fishing Boat Capacity (GT) and It's Number in Pengambengan Fishing Port**

YEAR	OUTBOARD POWERED BOAT (Unit)	INBOARD POWERED BOAT (Unit)					
		< 10 GT	10 – 20 GT	20 – 30 GT	30 – 50 GT	50 – 100 GT	100 – 200 GT
2001	148	-	-	-	-	-	-
2002	152	-	-	-	-	-	-
2003	157	-	2	-	-	-	-
2004	160	-	4	1	-	-	-
2005	165	-	6	1	-	-	-
2006	165	36	76	4	-	-	-

**VI. LOGISTIC**

Generally the logistic supplies of water and ice as well as fuel/ diesel fuel have been sufficient fulfilled to demands.

**Table 21.6 Logistic Supply and Demand in Pengambengan Fishing Port**

SUPPLY	DEMAND Ton/day	FULFILLED Ton/day	SHORTAGE Ton/day
- Fuel/Diesel fuel	20	20	-
- Kerosene	-	-	-
- Water	10	10	-
- Ice	30	30	-



**Figure 21.1 of Pengambengan Fishing Port**



**Figure 21.2 Quay in Pengambengan Fishing Port**



**Figure 21.3 Fuel Station in Pengambengan Fishing Port**



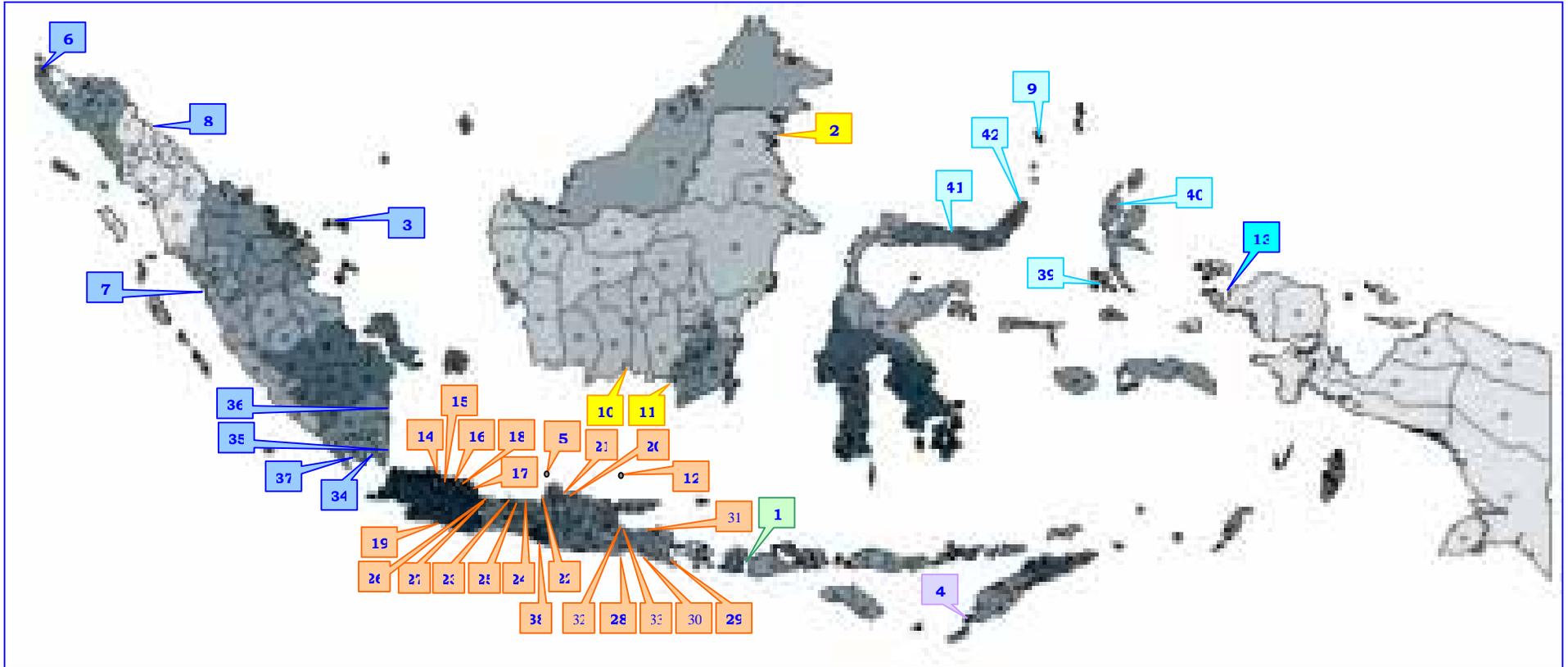
**Figure 21.4 Fish Auction Center in Pengambengan Fishing Port**



**Figure 21.5 Break Water Facility in Pengambengan Fishing Port**



## DISTRIBUTION OF FISHING PORTS UNDER LOCAL GOVERNMENT (COASTAL FISHING PORTS)



Port	Code	Port	Code	Port	Code	Port	Code	Port	Code	Port	Code
Labuhan Lombok	1	Pulau Tello, Medan	8	Blanakan, Subang	15	Morodemak, Demak	22	Muncar, Banyuwangi	29	Teladas, Tlg Bawang	36
Tarakan	2	Dagho, Sangir Talaud	9	Muara Ciasem, Subang	16	Wonokerto, Pekalongan	23	Puger, Jember	30	Kota Agung, Tanggamus	37
Tarempa, Kep. Riau	3	Hantipan, Sampit	10	Bondet, Cirebon	17	Tawang, Kendal	24	Paiton, Probolinggo	31	Sadeng, Gn Kidul	38
Kupang	4	Banjarmasin	11	Eretan, Indramayu	18	Klidang Lor, Batang	25	Lekok, Pasuruan	32	Bacan, Halmahera Sltm	39
Karimunjawa	5	Bawean	12	Cilautereun, Garut	19	Tegalsari, Tegal	26	Mayangan, Probolinggo	33	Tobelo, Halmahera Utara	40
Lampulo, Banda Aceh	6	Sorong	13	Tasik Agung, Rembang	20	Asemdayong, Pemalang	27	Lempasing, Bandar Lampung	34	Kwandang, Gorontalo	41
Sikakap, Padang	7	Ciparage, Karawang	14	Bajomulyo, Pati	21	Pondok Dadap, Malang	28	Labuhan Maringgai, Lampung	35	Tumumpa, Manado	42

## Fishing Ports under Local Government (Coastal Fishing Ports)

As elaborated above, Indonesia has 5 Ocean Fishing Ports and 12 Archipelago Fishing Ports which are managed directly by DGCF.

Meanwhile, the number of Coastal Fishing Ports (PPP) in Indonesia until 2007 is 46 PPPs, 4 of them are managed directly by DGCF (as described previously). The remaining of 42 ports are managed by each Local Government. The distribution of PPPs that are managed by the regions can be seen in map of DISTRIBUTION OF FISHING PORTS UNDER LOCAL GOVERNMENT (COASTAL FISHING PORTS) above. While, the respective addresses of each PPP can be seen in the following table.

### Fishing Ports Managed by Local Government

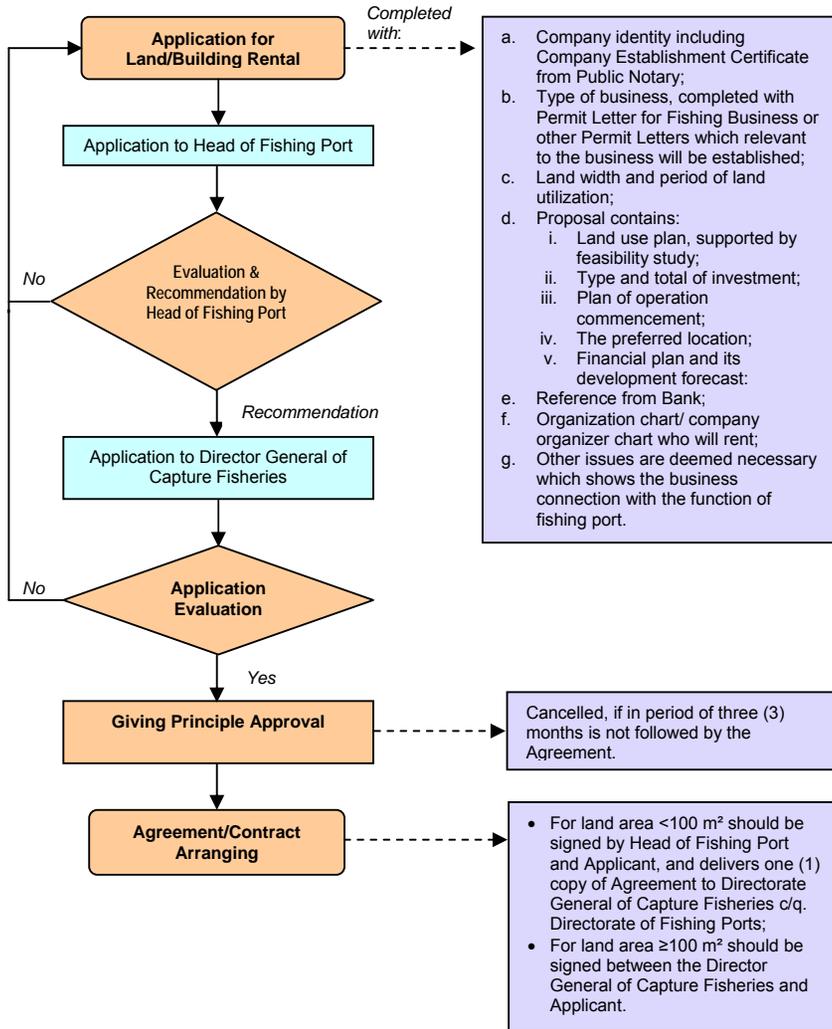
No	Name of Port	Address
1	PPP Labuhan Lombok	Jl. Raya Sambalia Km.3 Labuhan Lombok 83655 Telp.(0376) 23383
2	PPP Tarakan	Jl. Gajah Mada RT.22 Tarakan Telp. (0551) 51146, 22192, 21605 Fax. (0551) 21605 Jl. Perikanan No. 43/9 Tarakan Telp. (0541) 22410, 50852
3	PPP Tarempa	Jl. PPP Tarempa, Tarempa - Kep. Riau Kode pos 29191 Telp. 0772-31289
4	PPP Kupang	Jl. Yos Sudarso Tenao PO. Box 1042 Telp. (0380) 890119, 890143 Fax. (0380) 890143
5	PPP Karimunjawa	Jl. Pelabuhan Karimunjawa - Jepara 59455 Telp. (0297) 312205, (0291) 598327
6	PPP Lampulo	Jl. Sisingamangaraja Ujung Kota Banda Aceh PO. Box 23 Telp. (0651) 636466
7	PPP Sikakap	Jl. Blodi II No. 44 Padang (0751) 37961
8	PPP Pulau Tello	Jl. Akasia II/22 Sutomo Ujung - Medan Telp. (061) 640150, 640151
9	PPP Dagho	Jl. PPP Dagho Sangir Talaud Telp. (0438) 21822
10	PPP Hantipan	Kotak pos No. 6 Sampit - Kalimantan Tengah
11	PPP Banjarmasin	Jl. Barito Hulu RT. 13 No. 31 PO. Box 131 Banjarmasin Telp. 70118 Telp. (0511) 53026 Fax. (0511) 364193
12	PPP Bawean	Jl. Pedoman Sangkapura - Bawean
13	PPP Sorong	Jl. Jenderal Ahmad Yani PO. Box 165 Sorong Telp. (05951) 327066 Fax. (0951) 327065
14	PPP Ciparage	Desa Ciparage Kec. Tempuran - Karawang
15	PPP Blanakan	Desa Blanakan Kec. Blanakan - Subang
16	PPP Muara Ciasem	Desa Muara Kec. Blanakan - Subang
17	PPP Bondet	Desa Bondet Kec. Mertasinga - Cirebon
18	PPP Eretan	Desa Eretan Kec. Kandang Haur - Indramayu

No	Name of Port	Address
19	PPP Cilautereun	Desa Pamalayan Kec. Cikelet - Garut
20	PPP Tasik Agung	Desa Tasik Agung Kec. Rembang - Rembang
21	PPP Bajomulyo	Desa Bajomulyo Kec. Juwana - Pati
22	PPP Morodemak	Desa Purworejo Kec. Bonang - Demak
23	PPP Wonokerto	Desa Wirodeso Kec. Wonokerto - Pekalongan
24	PPP Tawang	Desa Gempolsewu Kec. Weleri - Kendal
25	PPP Klidang Lor	Desa Karangasem Kec. Batang - Batang
26	PPP Tegalsari	Desa Tegalsari Kec. Tegal - Tegal
27	PPP Asemdayong	Desa Asemdayong Kec. Taman - Pemalang
28	PPP Pondok Dadap	Desa Tambakrejo Kec. Pondok Dadap - Malang
29	PPP Muncar	Desa Kedungrejo Kec. Muncar - Banyuwangi
30	PPP Puger	Desa Puger Kulon Kec. Balong - Jember
31	PPP Paiton	Desa Sumber Anyar Kec. Paiton - Probolinggo
32	PPP Lekok	Desa Jatirejo Kec. Lekok - Pasuruan
33	PPP Mayangan	Desa Mayangan Kec. Mayangan - Probolinggo
34	PPP Lempasing	Jl. RE. Martadinata Km. 6 Desa Sukajaya Kec. Teluk Betung Utara - Bandar Lampung Telp. (0721) 481858
35	PPP Labuhan Maringgai	Desa M. Gading Mas Kec. Labuhan Maringgai Lampung Timur
36	PPP Teladas	Desa Teladas Kec. Menggala - Tulang Bawang
37	PPP Kota Agung	Desa Pasar Madang Kec. Kota Agung Tanggamus
38	PPP Sadeng	Desa Songbanyu Kec. Girisubo - Gunung Kidul
39	PPP Bacan	Desa Panambuang Kec. Bacan - Halmahera Selatan
40	PPP Tobelo	Desa Wosia Kec. Tobelo - Halmahera Utara
41	PPP Kwandang	Desa Ponelo Kec. Kwandang - Gorontalo
42	PPP Tumumpa	Desa Tumumpa Kec. Molas - Manado
43*	PPP Labuan	Desa Teluk Kec. Labuan - Pandeglang, Banten
44*	PPP Tamperan	Desa Sidoharjo Kec. Pacitan - Pacitan, East Java

\* Decided on 2008

# UTILIZATION OF FISHING PORT

## Procedure for Land/ Building Rental in UPT Fishing Port



## List of Service Tariff in Fishing Port

Based on the Government Regulation No. 62 year 2002 as has been stipulated by the Government Regulation No. 19 year 2006 regarding The Alteration on Government Regulation No. 62 year 2002 regarding Tariff of Non-Tax of State Income Type that Prevails in Ministry of Marine Affairs and Fisheries.

**Service Tariff in Fishing Port**

No	Kind of Tariff	Unit	Tariff (Rp.)			
			Nizam Zachman	PPS	PPN	PPP
<b>1</b>	<b>Land Rental</b>					
A	Development Charge	Per m <sup>2</sup> /year	1.200,-	1.200,-	1.000,-	800,-
B	Donation Charge for Infrastructure Maintenance		800,-	800,-	700,-	600,-
<b>2</b>	<b>Building Rental</b>					
A	Temporary Building	Per m <sup>2</sup> /year	3.000,-	3.000,-	3.000,-	3.000,-
B	Semi Permanent Building	Per m <sup>2</sup> /year	6.000,-	6.000,-	6.000,-	6.000,-
C	Permanent Building	Per m <sup>2</sup> /year	8.000,-	8.000,-	8.000,-	8.000,-
<b>3</b>	<b>Water Tank &amp; Installation</b>	Per ton/sold	1.000,-	1.000,-	1.000,-	1.000,-
<b>4</b>	<b>Fuel Tank &amp; Installation</b>	Per m <sup>3</sup> /filling volume	3.000,-	3.000,-	3.000,-	3.000,-
<b>5</b>	<b>Anchoring/ landing cost</b>					
A	Anchoring/ landing cost for boats size more than 30 GT					
	1). Anchoring > 30 GT					
	a. Fishing Boat > 30 GT, ZEE/Ocean Fishing Boat, Fishing Boat ex foreign, fish transport boat in all sizes	Per meter of boat length/ ¼ etmal	250,-	250,-	250,-	200,-
	b. Non Fishing Boat in all sizes	Per meter of boat length/ etmal	2.500,-	2.500,-	2.000,-	1.500,-
	2). Landing					
	a. Fishing Boat > 30 GT, ZEE/Ocean Fishing Boat, Fishing Boat ex foreign, fish transport boat in all sizes.	Per GT of boat weight/etmal	100,-	100,-	50,-	40,-

No	Kind of Tariff	Unit	Tariff (Rp.)			
			Nizam Zachman	PPS	PPN	PPP
	b. Non fishing boat in all sizes, except the research and training boats	Per meter of boat length/etmal	200,-	200,-	200,-	200,-
B	Anchoring/ landing of cost for boat size up to 30 GT					
	1. Boat size ≤ 10 GT	Per boat/etmal	500,-	500,-	500,-	500,-
	2. Boat size > 10 s/d 20 GT	Per boat/etmal	1.500,-	1.500,-	1.500,-	1.500,-
	3. Boat size > 20 s/d 30 GT	Per boat/etmal	2.500,-	2.500,-	2.500,-	2.500,-
C	Special Tariff					
	1. Broken boat/floating repair, waiting for season/good weather, and waiting to repaired and maintenance before docking.	Per GT Per boat/etmal	200,-	200,-	200,-	200,-
	2. Vessel anchoring/ landing above maximum limit (30 etmal)	Per GT Per boat/etmal	250,-	250,-	250,-	250,-
	3. Research boat, training boat and similar government boat non business	Per GT Per boat/etmal	82,50	82,50	82,50	82,50
<b>6</b>	<b>Equipment</b>					
A	Inspection Boat Service					
	1. Outboard powered motor/motor boat					
	a. Up to 60 PK	Per hour	10.000,-	10.000,-	10.000,-	10.000,-
	b. > 60 s/d 200 PK	Per hour	15.000,-	15.000,-	15.000,-	15.000,-
	c. > 200 PK	Per hour	20.000,-	20.000,-	20.000,-	20.000,-
	2. Inboard powered motor					
	a. Up to 10 GT	Per hour	8.000,-	8.000,-	8.000,-	8.000,-
	b. > 10 s/d 15 GT	Per hour	11.000,-	11.000,-	11.000,-	11.000,-
	c. 15 s/d 30 GT	Per hour	15.000,-	15.000,-	15.000,-	15.000,-
	d. > 30 GT	Per hour	20.000,-	20.000,-	20.000,-	20.000,-
B	Dredger Service	Per m <sup>3</sup>	4.500,-	4.500,-	4.500,-	4.500,-

No	Kind of Tariff	Unit	Tariff (Rp.)			
			Nizam Zachman	PPS	PPN	PPP
C	Tug Boat Service					
	a. Up to 60 PK	Per hour	30.000,-	30.000,-	30.000,-	30.000,-
	b. > 60 s/d 150 PK	Per hour	50.000,-	50.000,-	50.000,-	50.000,-
	c. > 150 s/d 250 PK	Per hour	75.000,-	75.000,-	75.000,-	75.000,-
	d. > 250 s/d 500 PK	Per hour	100.000,-	100.000,-	100.000,-	100.000,-
	e. More than 500 PK	Per hour	150.000,-	150.000,-	150.000,-	150.000,-
D	Forklift					
	1. Gasoline/diesel forklift	Per hour	50.000,-	50.000,-	50.000,-	50.000,-
	2. Forklift battery	Per pallet/once go in/out	1.000,-	1.000,-	1.000,-	1.000,-
E	Crane Truck	Per hour/unit	100.000,-	100.000,-	100.000,-	100.000,-
F	Dump Truck	Per hour	30.000,-	30.000,-	30.000,-	30.000,-
G	Advertisement Board Installation	Per m <sup>2</sup> /width of advertisement board/month	25.000,-	25.000,-	25.000,-	25.000,-
<b>7</b>	<b>Service of Port Cleanliness</b>					
	1. Closed permanent building	Per m <sup>2</sup> /month	1.000,-	50,-	50,-	50,-
	2. Office/shopping complex	Per m <sup>2</sup> /month	1.500,-	50,-	50,-	50,-
	3. Fish storage/fish auction place	Per m <sup>2</sup> /month	1.000,-	50,-	50,-	50,-
	4. Fish marketing place	Per m <sup>2</sup> /month	15.000,-	100,-	100,-	100,-
	5. Fish packing place	Per m <sup>2</sup> /month	30.000,-	-	-	-
	6. Food stall/kiosk	Per m <sup>2</sup> /month	15.000,-	100,-	100,-	100,-
<b>8</b>	<b>Service of Installation of Waste Water Processing (basic price)</b>	Per m <sup>3</sup>	1.500,-	1.500,-	1.500,-	1.500,-

Remarks:

PPS = Pelabuhan Perikanan Samudera (Ocean Fishing Port)

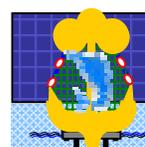
PPN = Pelabuhan Perikanan Nusantara (Archipelago Fishing Port)

PPP = Pelabuhan Perikanan Pantai (Coastal Fishing Port)

Especially for 6 fishing ports i.e. Nizam Zachman – Jakarta, Belawan – North Sumatera, Pekalongan – Central Java, Brondong – East Java, Prigi – East Java and Pemangkat – West Kalimantan, there are some facilities which are managed commercially by Perum (public enterprise) and are decided rental costs more expensive.

## Land use for Fisheries Industry in Fishing Port

FISHING PORT	AREA FOR INDUSTRY (M <sup>2</sup> )	LAND HAS BEEN UTILIZED (M <sup>2</sup> )	REMAINING LAND (M <sup>2</sup> )
PPN SIBOLGA	120,300	73,000	47,300
PPS BELAWAN	326,900	266,767	60,133
PPN KEJAWANAN	129,000	24,833	104,167
PPN PRIGI	78,000	45,000	33,000
PPN PEMANGKAT	30,000	4,610	25,390
PPN TUAL	162,400	102,400	60,000
PPN BITUNG	23,418	12,891	10,527
PPS KENDARI	377,000	110,396	266,604
PPN TERNATE	20,000	9,175	10,824.30
PPS CILACAP	127,304	47,442	79,862.00
PPS PENGAMBENGAN	52,000	16,400	35,600
PPN PALABUHANRATU	102,970	78,134	24,836.00
PPN TANJUNGPANDAN	25,277	25,277	0
PPN BRONDONG	29,000	1,000	28,000
PPS NIZAM ZACHMAN JAKARTA	400,000	400,000	0
PPS BUNGUS	75,000	8,022	66,978
PPN PEKALONGAN	30,000	22,500	7,500
PPN AMBON	17,400	16,142	1,258
PPP SUNGAILIAT	7,541	7,367	174
PPP KARANGANTU	9,520	7,420	2,100
PPP TELUK BATANG	65,981	18,022	47,959



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