



Indonesian Fishing Ports 2009



Directorate General of Capture Fisheries (DGCF)
Ministry of Marine Affairs and Fisheries (MMAF)



Japan International Cooperation Agency (JICA)

**In d o n e s i a n
F i s h i n g P o r t s
2009**



FOREWORD



Dr. Ir. Ali Supardan, M.Sc.

Fishing Port is an area where all fishing business activities take place which provides multi-services for fishing activities and also involve significant number of labor, economic and many industrial sectors. According to the article 1 of Ministerial Decree No. 16/MEN/2006 on Fishing Port, stipulated that fishing port is functioned to support management of fisheries resources and its environment covering pre-production, production, post-harvest and marketing activities.

Realizing the substance of Fishing Port in supporting component for fisheries sectors, Ministry of Marine Affairs and Fisheries established Directorate of Fishing Port under Directorate General of Capture Fisheries, which responsible to develop fishing ports throughout Indonesia.

Indonesian Fishing Ports are categorized into four classes: (1) Oceanic Fishing Port, (2) Archipelagic Fishing Port, (3) Coastal Fishing Port, (4) Fish Landing Centre. In 2009, there are 968 fishing ports exist, whereas 947 fishing ports are managed by regional government through decentralization program.

"Indonesian Fishing Ports" book provides 21 fishing ports profiles and selected statistical information i.e. supporting procedures, regulations and economics cycles. The book is collaboratively developed by Directorate General of Capture Fisheries and Japan International Cooperation Agency.

Lastly, I am confident this book will provide communicative features of Fishing ports that will bring benefits for all parties, in science, industries and technology.

Jakarta, April 2009

Dr. Ir. Ali Supardan, M.Sc.
Director General of Capture Fisheries
Ministry of Marine Affairs and Fisheries
The Republic of Indonesia

LIST OF CONTENTS

	Page
FOREWORD	i
LIST OF CONTENTS	ii
PROFILE OF DIRECTORATE GENERAL OF CAPTURE FISHERIES	
THE DIRECTORATE GENERAL OF CAPTURE FISHERIES (DGCF)	iii
CAPTURE FISHERIES DEVELOPMENT POLICY	iii
TASK AND FUNCTIONS OF DGCF	iii
ORGANIZATION STRUCTURE OF DGCF	iv
LEGAL ASPECT	
LAWS AND REGULATIONS OF FISHING PORT MANAGEMENT	v
REGULATION	vi
DISTRIBUTION OF FISHING PORTS UNDER DGCF	vii
CHANCE OF FISHERIES RESOURCES	xi
MAP OF DISTRIBUTION FISHERIES MANAGEMENT AREA (9FMA)	xiii
1. Nizam Zachman Oceanic Fishing Port - DKI Jakarta	1
2. Kendari Oceanic Fishing Port - South East Sulawesi	11
3. Belawan Oceanic Fishing Port - North Sumatera	21
4. Bungus Oceanic Fishing Port - West Sumatera	31
5. Cilacap Oceanic Fishing Port - Central Java	41
6. Bitung Oceanic Fishing Port - North Sulawesi	51
7. Sibolga Archipelagic Fishing Port - North Sumatera	61
8. Tanjungpandan Archipelagic Fishing Port - Bangka Belitung	69
9. Palabuhanratu Archipelagic Fishing Port - West Java	79
10. Kejauanan Archipelagic Fishing Port - West Java	89
11. Pekalongan Archipelagic Fishing Port - Central Java	97
12. Brondong Archipelagic Fishing Port - East Java	107
13. Prigi Archipelagic Fishing Port - East Java	115
14. Pemangkat Archipelagic Fishing Port - West Kalimantan	125
15. Ternate Archipelagic Fishing Port - North Maluku	135
16. Ambon Archipelagic Fishing Port - Maluku	145
17. Tual Archipelagic Fishing Port - Maluku	155
18. Pengambengan Archipelagic Fishing Port - Bali	165
19. Sungailiat Archipelagic Fishing Port - Bangka Belitung	173
20. Karangantu Coastal Fishing Port - Banten	183
21. Teluk Batang Coastal Fishing Port - West Kalimantan	191
DISTRIBUTION OF FISHING PORTS UNDER LOCAL GOVERNMENT	201
FISHING PORTS UNDER LOCAL GOVERNMENT (COASTAL FISHING PORTS)	202
FISHING PORTS UTILIZATION	
PROCEDURE OF LAND/BUILDING RENTAL IN UPT FISHING PORT	204
LIST OF SERVICE TARIFF IN FISHING PORT	205
LAND USE FOR FISHERIES INDUSTRY IN FISHING PORT	208
GRATITUDE	209
EDITORIAL TEAM	209

THE DIRECTORATE GENERAL OF CAPTURE FISHERIES (DGCF)

Indonesia is an archipelagic country which covers 17.5 million of islands with coastline stretches for 95,181 Km. Two-thirds of Indonesia is water with abundant resources of marine and fisheries. Total area of marine water is 5.8 million Km², consist of Archipelagic and Territorial Sea is 3.1 millions Km² and Indonesian Exclusive Economic Zones (IEEZ) is 2.7 Km². The available Maximum Sustainable Yield (MSY) is 6.4 million tones/year with the Total Allowable Catch is 5.1million tones/year or 80% of MSY. Until 2006, only 4,468,010 tones of potency are utilized, or 69.8% of the current total.

Capture fisheries is one of the important sub-sector of marine and fisheries. In the years from 2001 to 2006 its annual growths are 2.4% in capture, 15.22% in export volume, 5.41% in foreign income and 4.24% in human resources.

CAPTURE FISHERIES DEVELOPMENT POLICY

To utilize marine and fisheries resources optimally, Directorate General of Capture Fisheries (DGCF) has established a vision “Solid, Self-Reliance and Sustainable Indonesia Capture Fisheries in 2020”. The vision is rendered to the synergic missions of :

(1) Manage fisheries resources in sustainable manner

(2) Increase fishers' income and welfare

(3) Facilitate the readiness of fishing port both in quality and quantity

(4) Strengthen national fishing fleet

(5) Develop competitive and efficient capture fisheries business

TASK AND FUNCTIONS OF DGCF

- Task and Functions of Directorate General of Capture Fisheries (Ministrial Decree No. KEP.07/MEN/2005 on Organization and Working Management of Ministry of Marine Affairs and Fisheries).
- Main Duty :

To compose and conduct the policies and technical standardization in Capture Fisheries

• Functions :

1. To prepare the policies of MMAF concerning capture fisheries

2. To conduct the policies of capture fisheries according to the regulations

3. To compose standards, norms, guidelines, criteria, and procedures in capture fisheries

4. To provide technical assistance and evaluation on capture fisheries

5. To conduct administration tasks in Directorate General of Capture Fisheries.

- In relation to the management of fishing port, the DGCF mandated Directorate of Fishing Port with task and function, as follows :
- Revitalization of fishing port

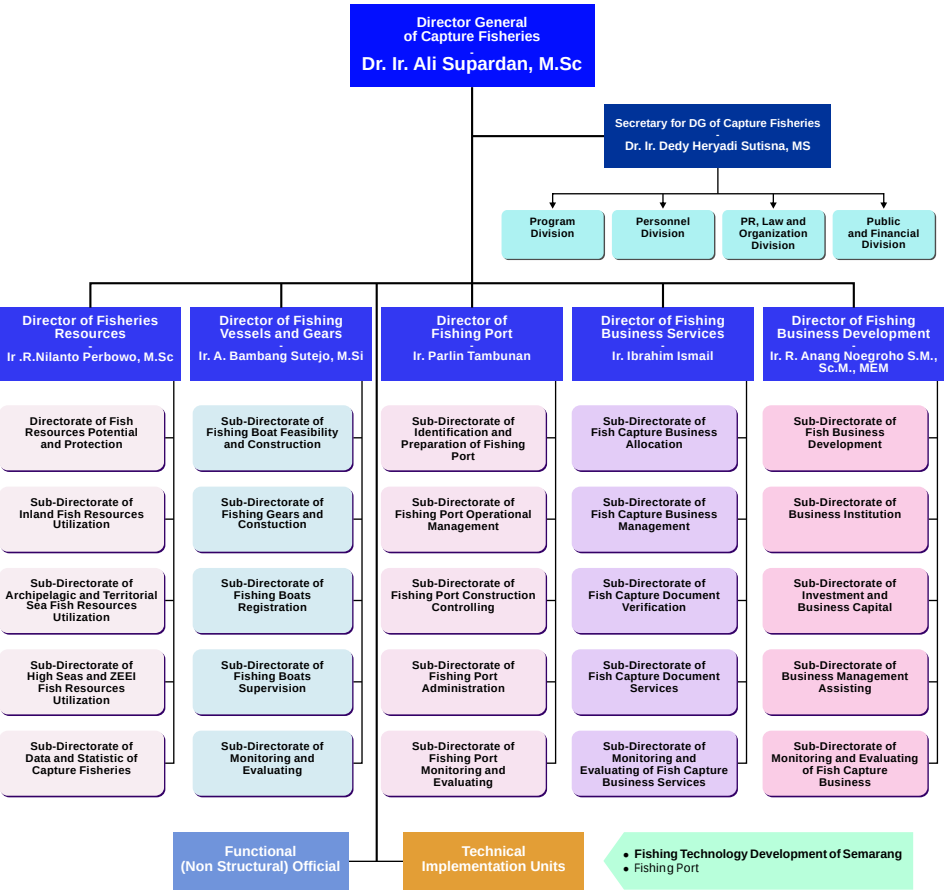
• Outer Ring Fishing Port Development

• Fishing port/fish landing center development, particularly in eastern area

• Fishing Port Information Centre development related to marine and fisheries information system

• Human resources enhancement as fishing port/fish landing center.

ORGANIZATION STRUCTURE OF DGCF



LAWS AND REGULATIONS OF FISHING PORT MANAGEMENT

- 1) Law No. 31 Year 2004 regarding Fisheries.
- 2) 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.
- 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. 23 Year 2000 regarding Public Corporation of Oceanic Fishing Infrastructure.
- 5) Regulation of Minister of Marine Affairs and Fisheries No. PER.19/MEN/2008 regarding Fishing Ports.
- 6) Regulation of Minister of Marine Affairs and Fisheries No. PER.05/MEN/2008 regarding Capture Fisheries Business.
- 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.01/MEN/2007 regarding Controlling on Quality Guarantee System and Safety of Fisheries Catches.
- 9) Regulation of Minister of Marine Affairs and Fisheries No. PER.16/MEN/2006 regarding 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 Minister of Marine Affairs and Fisheries No. KEP.19/MEN/2006 regarding Assignment of Harbor Master in Fishing Ports.
- 12) Decree of Minister of Marine Affairs and Fisheries No. KEP.18/MEN/SJ/2001 regarding Delegation of 13 Coastal Fishing Ports to Local Government.
- 13) Decree of Director General of Fish Capture No. 4356/DJPT/KP.440.D3/X/2006 regarding Guidelines of Harbor Master Assignment in Fishing Ports.

REGULATION

MINISTRY OF MARINE AFFAIRS AND FISHERIES OF THE REPUBLIC OF INDONESIA

NO. PER.19/MEN/2008

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.19/MEN/2008 regarding Organization and Working System of Fishing Port.

CLASSIFICATION	NAME	LOCATION	PROVINCE
Oceanic Fishing Port	1. Nizam Zachman	Jakarta	DKI Jakarta
	2. Kendari	Kendari	South East Sulawesi
	3. Belawan	Belawan	North Sumatera
	4. Bungus	Bungus	West Sumatera
	5. Cilacap	Cilacap	Central Java
	6. Bitung	Bitung	North Sulawesi
Archipelagic Fishing Port	7. Sibolga	Sibolga	North Sumatera
	8. Tanjungpandan	Tanjungpandan	Bangka Belitung
	9. Palabuhanratu	Palabuhanratu	West Java
	10. Kejawanan	Kejawanan	West Java
	11. Pekalongan	Pekalongan	Central Java
	12. Brondong	Brondong	East Java
	13. Prigi	Prigi	East Java
	14. Pemangkat	Pemangkat	West Kalimantan
	15. Ternate	Ternate	North Maluku
	16. Ambon	Ambon	Maluku
	17. Tual	Tual	Maluku
	18. Pengambengan	Pengambengan	Bali
	19. Sungailiat	Sungailiat	Bangka Belitung
Coastal Fishing Port	20. Karangantu	Karangantu	Banten
	21. Teluk Batang	Teluk Batang	West Kalimantan

MINISTER OF MARINE AFFAIRS AND FISHERIES
REPUBLIC OF INDONESIA,

FREDDY NUMBERI



Base on Regulation of Ministry Decree No. PER.16/MEN/2006

Class of Fishing Port	Technical Criteria	Condition of Processing	Amount
Oceanic Fishing Port	- To serve fishing vessels that operational/ their fisheries activities are in Territorial water, Indonesia Economic Exclusive Zone and offshore; - Have mooring/docking facilities for minimum fishing vessels are 60 GT - Minimum length of pier is 300 m and port pond / water depth minimum is -3.00 m - The port pond is available for 100 fishing vessels or at least can accommodates 6,000 GT at all - The fish/catches is for export trading purpose - There are fisheries industries.	Central Government - *MMAF (Central Technical Implementing Unit)	6
Archipelagic Fishing Port	- To serve fishing vessels that operational/ their fisheries activities are in Territorial water and Indonesia Economic Exclusive Zone; - Have mooring/docking facilities for minimum 30 GT capacity of fishing vessels - Minimum length of pier is 150 m and port pond / water depth minimum is -3.00 m - The port pond is available for 75 fishing vessels or at least can accommodates 2,250 GT at all - There are fisheries industries.	Central Government - *MMAF (Central Technical Implementing Unit)	13
Coastal Fishing Port	- To serve fishing vessels that operational/their fisheries activities are in inland water, archipelago	Central Government - *MMAF (Central Technical Implementing Unit)	2

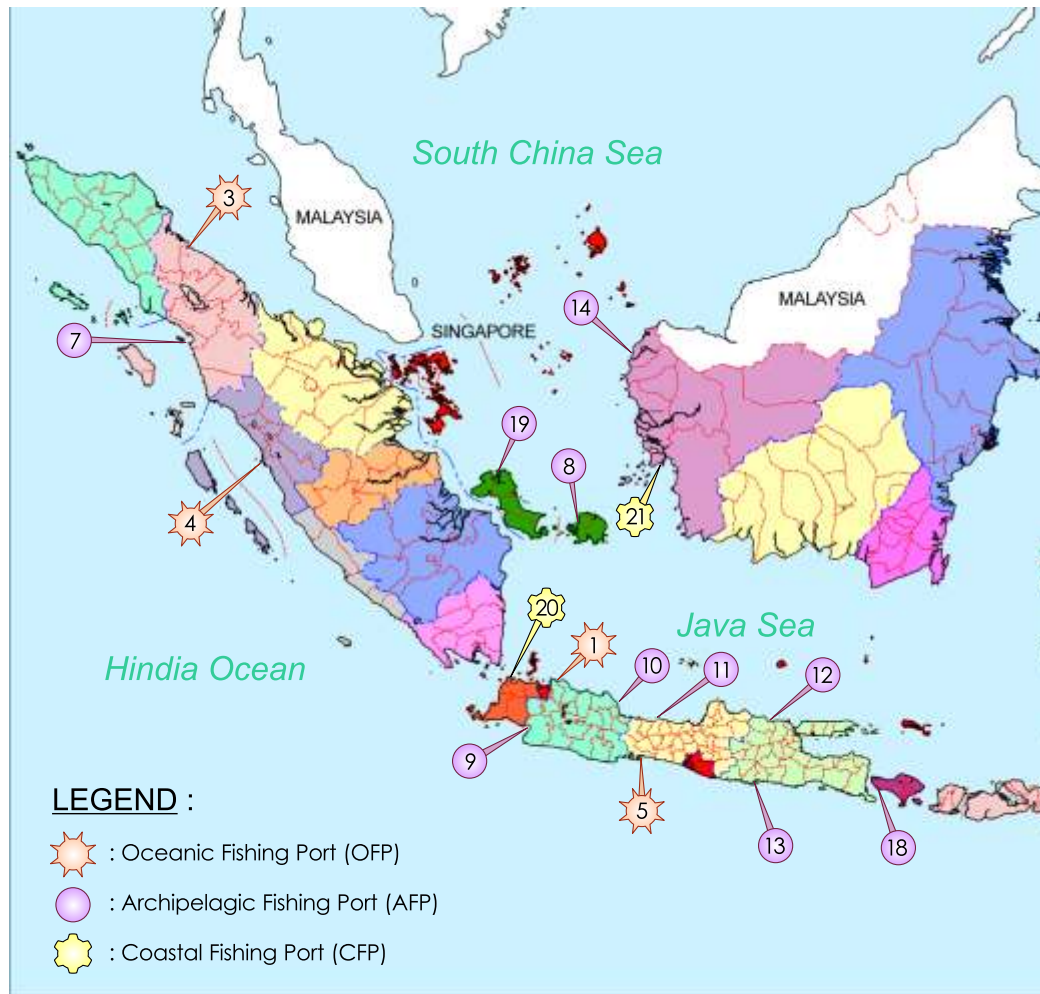
Class of Fishing Port	Technical Criteria	Condition of Processing	Amount
	- To serve fishing vessels that operational/their fisheries activities are in inland water, archipelago water and Territorial water; - Have mooring/docking facilities for minimum 10 GT capacity of fishing vessels - Minimum length of pier is 100 m and port pond/water depth minimum is -2.00 m - The port pond is available for 30 fishing vessels or at least can accommodates 300 GT at all.	Provincial Fisheries Service - Provincial Office of Marine and Fisheries (Local Technical Implementing Unit)	44
Landing Fish	- To serve fishing vessels that operational/their fisheries activities are in inland water and archipelago water; - Have mooring/docking facilities for minimum 3 GT capacity of fishing vessels; - Minimum length of pier is 50 m and port pond/water depth minimum is -2.00 m; - The port pond is available for 20 fishing vessels or at least can accommodates 60 GT at all.	Provincial Fisheries Service - Provincial Office of Marine and Fisheries (Local Technical Implementing Unit) Regency/City Government - Provincial Office of Marine and Fisheries (Local Technical Implementing Unit)	895
TOTAL			960

* MMAF : Ministry of Marine Affairs and Fisheries

Note :

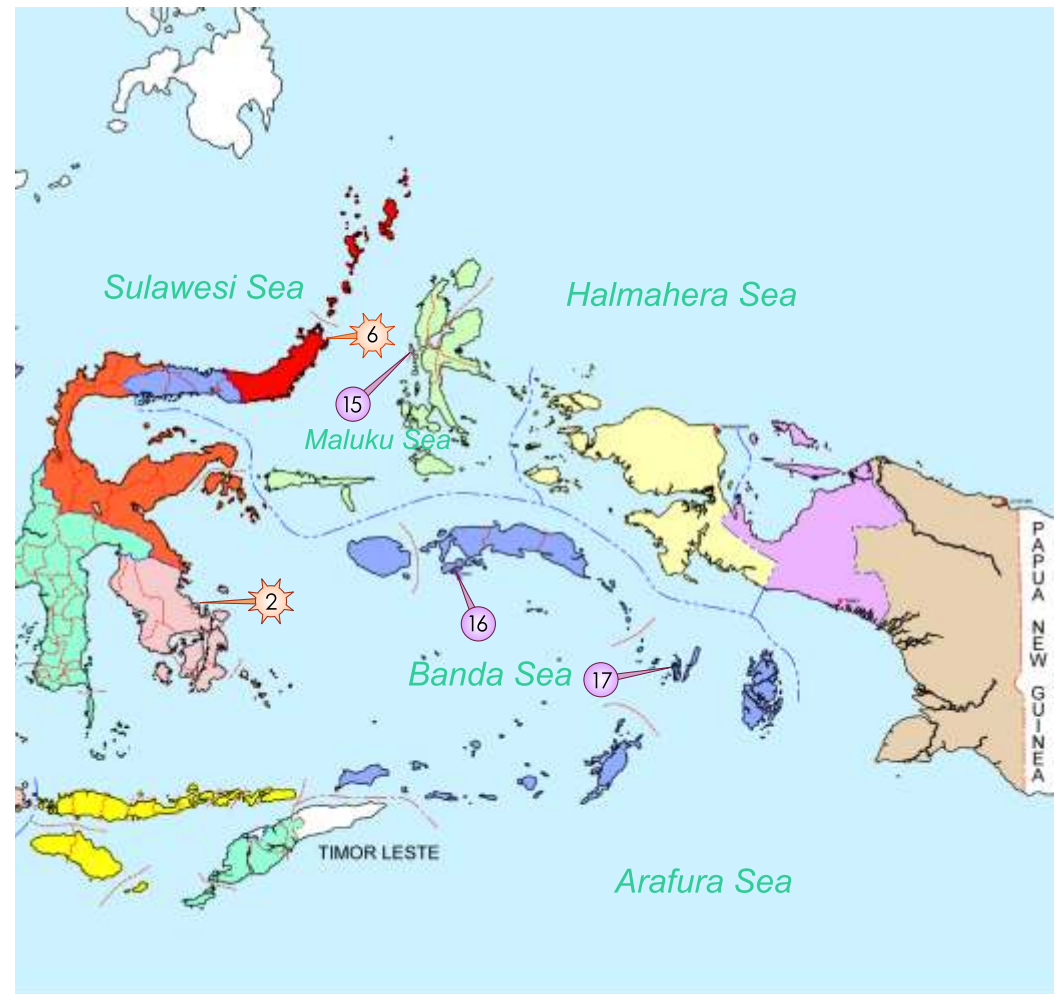
There are still 2 private fishing ports more, they are Barelang and Telaga Punggur (Batam) that managed by fisheries private sector.

DISTRIBUTION of FISHING PORTS UNDER DGCF



NO	PORT	PAGE
1	Nizam Zachman - DKI Jakarta	1
2	Kendari - South East Sulawesi	11
3	Belawan - North Sumatera	21
4	Bungus - West Sumatera	31
5	Cilacap - Central Java	41
6	Bitung - North Sulawesi	51

NO	PORT	PAGE
7	Sibolga - North Sumatera	61
8	Tanjungpandan - Bangka Belitung	69
9	Palabuhanratu - West Java	79
10	Kejawanan - West Java	89
11	Pekalongan - Central Java	97
12	Brondong - East Java	107

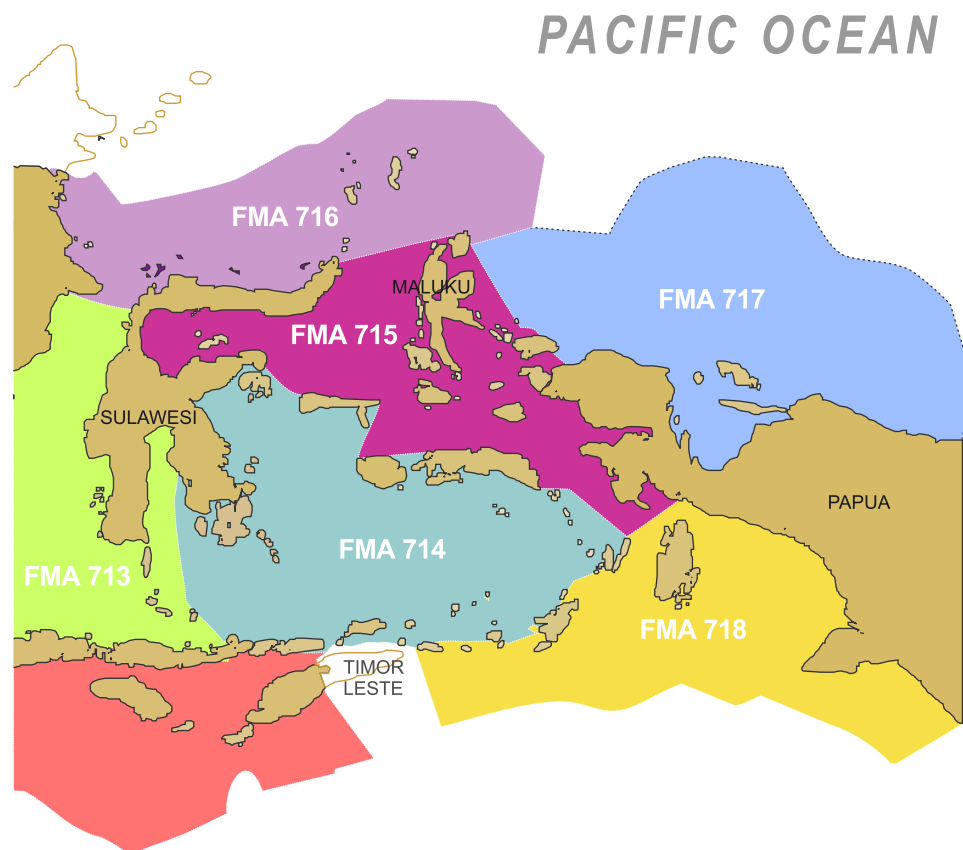


NO	PORT	PAGE
13	Prigi - East Java	115
14	Pemangkat - West Kalimantan	125
15	Ternate - North Maluku	135
16	Ambon - Maluku	145
17	Tual - Maluku	155
18	Pengambangan - Bali	165

NO	PORT	PAGE
19	Sungailiat - Bangka Belitung	173
20	Karangantu - Banten	183
21	Teluk Batang - West Kalimantan	191

MAP of DISTRIBUTION FISHERIES MANAGEMENT AREA (11 FMA)

Peta Distribusi Wilayah Pengelolaan Perikanan (11 WPP)



REMARKS :

FMA 571 : Malaka Strait - Andaman Sea
 FMA 572 : Indian Ocean (West of Sumatera) - Sunda Strait
 FMA 573 : Indian Ocean (South of Java) - South of Nusa Tenggara - Sawu Sea - West of Timor Sea
 FMA 711 : Karimata Strait - Natuna Island - South China Sea
 FMA 712 : Java Sea
 FMA 713 : Makassar Strait - Bone Bay - Flores Sea - Bali Sea

FMA 714 : Tolo Bay - Banda Sea
 FMA 715 : Tomini Bay - Maluku Sea - Halmahera Sea - Seram Sea - Berau Bay
 FMA 716 : Sulawesi Sea - North of Halmahera
 FMA 717 : Cendrawasih Bay - Pasific Ocean
 FMA 718 : Aru Sea - Arafuru Sea - East of Timor Sea

FISHERIES RESOURCES STATUS

(11 FMA)

Fisheries Management Area (FMA)	Status			
	Demersal	Shrimp	Small Pelagic	Big Pelagic
FMA 571	O	O	F	UN
FMA 572	F	F	M	F
FMA 573	F	F	F	F
FMA 711	F	M	O	UN
FMA 712	F	F	O	UN
FMA 713	F	O	M	UN
FMA 714	U/UN	UN	M	M
FMA 715	M	-	M	F
FMA 716	UN	-	UN	O
FMA 717	UN	-	UN	O
FMA 718	F - O	O	M	UN

Notes:

Moderate
Uncertain
Over Exploited
Fully Exploited



1

Nizam Zachman

OCEANIC FISHING PORT

DKI JAKARTA

GENERAL INFORMATION

a. Name	: NIZAM ZACHMAN
b. Classification	: Oceanic Fishing Port
c. Address	: Jl. Muara Baru Ujung - Penjaringan, Jakarta Utara 14440
d. Phone	: (021) 6617865, 6617868
e. Fax	: (021) 6617868
f. E-mail	: PPSNZJ@GMAIL.COM, ppsjakarta@telkom.net
g. Website	: www.jakartafishport.com
h. Head of Fishing Port	: Ir. Suardoyo, MS

1. PT. BONECOM	16. PT. LUKI REIKI ABAJI	31. PT. TRIDAYA ERAMINA BAHARI	46. PT. MUARA BARU CENTER	A. PT. BOSCO
2. PT. MUARA MANGGALINDO	17. PT. LOLA MINA	32. PT. RED RIBBON INDONESIA CORP.	47. BALAI PERTEMUAN NELAYAN	B. PT. BONECOM
3. PT. SATRIINDO DMI SANTOSA	18. BUMI AGRI SEJAHTERA	33. PT. BENUA AGRI SEJAHTERA	48. PT. KARYA Cipta MINA JAYA	C. PT. KURNIA MINA SEJAHTERA
4. PT. SEKAR LAUT	19. PT. DURIAN SARI WANGI	34. PT. SEMILANG TIMUR JAYA	49. TEMPAT PELELANGAN IKAN	D. GATE
5. PT. KEDAMAIAN	20. PT. MIRA MINA SEGARA	35. PT. SINAR MALANGSIKMAKUMUR	50. COLD STORAGE	E. PUSAT PEMASARAN IKAN
6. PT. HALIMAS SAKTI MINA UTAMA	21. PT. GABUNGAN ERA MANDIRI	36. PT. DAYA MULUR KARETINDO	51. ICE FACTORY	F. KOLAM PEMBERSIHAN AIR LAUT
7. PT. TIMUR JAYA COLD STORAGE	22. PT. INTIMAS SURYA	37. PT. CLACAP SF INDONESIA	52. R. MESIN	G. BANGUNAN PERBENGKELAN
8. PT. FIRST MARINE SEA FOODS	23. PT. LUTITAS BAHARI	38. PT. TUNA PERTAMA REZEKI	53. KANTOR PERUM PPS PUSAT	
9. PT. KOM FOOD	24. PT. UNGGUL MINA LESTARI	39. PT. DANAU PERINTO P.R.	54. PERUM PPS CABANG JAKARTA	
10. PT. SANDIMAS GAPURA	25. PT. BENUA AGRI SEJAHTERA	40. PT. SUBINDO PERINTIS	55. KANTOR UPT	
11. PT. INTIMAS SURYA	26. PT. LUCKY SAMUDERA	41. PT. INDOBOGA JAYA MAKUMUR	56. RUANG PROCESSING & COLD S-	
12. PT. ARTA MINATAMA	27. PT. PANGGUNG ENTERPRISE LTD	42. PT. KARYA Cipta BAYU MINA PRA	57. PT. ALAM JAYA	BANGUNAN PELAYANAN DAN PERBEKALAN KAPAL
13. DMI SANDHA SANDJAYA	28. PT. BONECOM	43. PT. PHILIP SEA FOOD INDUSTRI	58. PT. OUMPIA FISHING INDUSTRI	
14. PT. LUXE UTAMA INDONESIA	29. PT. SANDIMAS AKJATEK	44. PT. PANUTAN MINASABA	59. PT. PROSKUNEO KADARIMAH	
15. PT. JAKARTA SERVISTAMA C.	30. PT. SINAR SAMUDERA MAKUMUR	45. WISMA MINA	60. UNIT PENGELOLAAN LIMBAH	

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- 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 : 06° 05' 40" S Latitude
 106° 48' 11" E Longitude
 g. Distance Toward
 - Capital City of Province : 9 Km
 - Capital City of Regency/City : 7 Km
 - District : 3 Km
 - Airports : 25 Km (Soekarno-Hatta Airport)
 35 Km (Halim Perdana Kusuma Airport)
 - Other Ports : 3 Km (Sunda Kelapa Port)
 6 Km (Muara Angke Fishing Port)
 12 Km (Tanjung Priok Port)

FACILITIES

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 OFF, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	111	Ha
2	Port pond	40	Ha
3	Pier-1	1,924	m ²
4	Revetment/turap	3,259	m
5	Jetty	300	m
6	Complex road	53,258	m ²
7	Breakwater	1,041	m
8	Water depth	-7.5	m
B	FUNCTIONAL FACILITIES		
1	Administration office	1,207	m ²
2	Auction hall (TPI)	3,367	m ²
3	Cold storage	1,000	ton
4	Electricity	5,377	KVA
5	Fish market	6,431	m ²
6	Fishermen meeting hall	737	m ²
7	Forklift	8	unit
8	Fuel tank	2,000	m ³
9	Genset	2,600	KVA
10	Ice factory	200	ton/day

NO	FACILITIES	VOLUME	UNIT
11	IPAL	1	unit
12	Parking area	7,670	m ²
13	Port Officer office	40	m ²
14	Repair station	450	m ²
15	Slipway	550	GT/unit
16	Water tank	1,250	m ³
17	Winch house	64	m ²
C	SUPPORTING FACILITIES		
1	BAP shops	1,102	m ²
2	Guest house	480	m ²
3	SSB Radio	2	unit

OPERATIONAL DATA

In 2006, even the production was a half under than 2001, the value per tonnage was not quite different. There was a raising price in the same volume of the catches or it could be the production was dominated by fish with high economic value. The complete value, boat visit and production number are as shown in table below :

Table 1.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2008

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	-	6,115	144,835	199,464	506,508
2002	-	5,521	141,038	177,658	477,735
2003	-	4,336	124,767	104,888	450,694
2004	6,327	4,080	123,440	97,582	583,780
2005	6,768	4,045	108,405	88,837	559,617
2006	7,677	973	66,932	66,068	301,606
2007	8,577	-	81,934	40,798	420,768
2008	10,629	-	81,601	41,266	446,362

Table 1.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	6,815	69,176	241,306,680	189,522
2002	5,950	55,645	19,375,918,238	152,177
2003	4,856	37,539	13,095,172,270	102,848
2004	4,638	40,726	142,088,153	111,578
2005	4,598	39,691	739,153,854	109,290
2006	3,793	30,349	105,867,641	83,148
2007	3,528	21,928	282,621,620	60,911
2008	3,276	17,433	265,915,930	48,424

DOMINANT PRODUCT

As shown in Table 1.4., the catches still dominated by *Skipjack tuna*.

Table 1.4. Dominant Fish, Year 2008

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Cakalang	Skipjack tuna	6,142,656	70,250,190,000	11,436
2	Tongkol/Lisong	Bullet tuna	3,825,089	48,227,710,000	12,608
3	Tenggiri	Narrow-barred Spanish mackerel	1,388,985	40,259,000,000	28,984
4	Madidihang	Yellowfin tuna	1,051,729	27,033,590,000	25,704
5	Tuna mata besar	Big eye tuna	822,308	23,024,620,000	28,000
6	Setuhuk hitam	Black marlin	619,289	9,540,330,000	15,405
7	Layaran	Indo-Pacific blue marlin	615,858	8,066,130,000	13,097
8	Cucut botol	Dogfish shark	559,558	5,894,360,000	10,534
9	Ikan pedang	Swordfish	376,020	5,231,480,000	13,913
10	Albakora	Albacore	263,107	6,314,570,000	24,000

White shrimp is the most dominant species of shrimp with high economy value in Nizam Zachman OPP, as shown in the table below :

Table 1.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang putih	Banana prawn	1,620	61,560,000	38,000
2	Udang vaname	Vaname shrimp	589,880	26,544,600,000	45,000

FISHERIES INDUSTRIES

Eventhough the port operation decreases, Nizam Zachman still has very huge potential industry area. About 47 fisheries companies are in this port industrial area excluding the other fisheries companies in DKI Jakarta and its surrounding beyond port area.

Table 1.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	PT. Alam Jaya	Processing & cold storage	1,980
2	PT. Arta Mina Tama	Processing & cold storage	2,250
3	PT. Bahana Laju Khatulistiwa	Processing & cold storage	1,980
4	PT. Benua Agri Sejahtera	Processing & cold storage	3,990
5	PT. Bonecom (Blok L No.1-2)	All catches management & processing industry	19,122
6	PT. Bonecom (Blok S No.4-14)	All catches management & processing industry	15,770
7	PT. Bonecom (Blok T No.1-12)	All catches management & processing industry	27,075
8	PT. Bumi Agro Lestari	Processing & cold storage	2,508

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
9	PT. Cilacap Samudera Fishing Industry	Processing & cold storage	3,082
10	PT. Danau Matano Persada Raya	Processing & cold storage	3,880
11	PT. Daya Mulur Karetindo	All catches management & processing industry	2,345
12	PT. Durian Sari Wangi	Processing & cold storage	3,880
13	PT. Dwisanda Senjaya	All catches management & processing industry	3,880
14	PT. First Marine Seafoods	Fisheries industry, cold storage & ice factory	16,900
15	PT. Gabungan Era Mandiri	All catches management & processing industry	3,990
16	PT. Graha Insan Sejahtera	Processing & cold storage	5,632
17	PT. Halimas Mina Utama	All catches management & processing industry	2,600
18	PT. Indoboga Jaya Makmur	Processing & cold storage	2,722
19	PT. Intimas Surya	Processing & cold storage	2,508
20	PT. Jakarta Coldstorage Industry	Processing & cold storage	2,250
21	PT. Jakarta Servisetma Catering	Processing, cold storage & restaurant chain	4,095
22	PT. Karya Cipta Bayu Mina - Pratama	All catches management & processing industry	2,599
23	PT. Kedamaian	All catches management & processing industry	2,599
24	PT. Kurnia Mina Sejahtera	Processing & cold storage	5,305
25	PT. Lautan Bahari Sejahtera	Processing on Exported tuna fish fillet	2,423
26	PT. Lola Mina	Processing & cold storage	7,217
27	PT. Lucky Samudera Pratama	Processing & cold storage	21,100
28	PT. Luki Rejeki Jayadi	All catches management & processing industry	3,126
29	PT. Luxe Utama Indonesia	All catches management & processing industry	3,144
30	PT. Mitra Mina Segara	Processing & cold storage	4,132
31	PT. Muara Manggalindo	Fisheries industry & supporting facilities	18,353
32	PT. Panutan Minasabha	Office & shops	8,037
33	PT. Pertuni	Processing & cold storage	5,781
34	PT. Pertuni Heritage	Processing, cold storage & restaurant chain	10,877
35	PT. Proskoneo Kadarusman	Manufacturing industry of repairing maintenance of boat & dockyard	17,000
36	PT. Red Ribbon Indonesia	All catches management & processing industry	2,345
37	PT. Safrindo Dwisantosa	Processing, cold storage & ice making	19,327
38	PT. Sandimas Akuatek	Processing & cold storage	16,165
39	PT. Sandimas Gapura	Fisheries industry, cold storage & ice factory	10,788
40	PT. Sekar Laut	All catches management & processing industry	6,240
41	PT. Sembilan Timur Jaya	Processing & cold storage	3,597
42	PT. Sumbindo Perintis	Processing & cold storage	2,910
43	PT. Sinar Malalugis Makmur	Processing & cold storage	3,000
44	PT. Sinar Samudera Makmur	Processing & cold storage	1,740
45	PT. Timur Jaya Cold Storage	Processing & cold storage	6,130
46	PT. Tridaya Eramina Bahari	All catches management & processing industry	1,300
47	PT. Tuna Permata Rejeki	Processing & cold storage	2,722
48	PT. Olimpia Fisheries Industry	Processing & cold storage	1,980
49	PT. Unggul Mina Lestari	Processing & cold storage	1,710
TOTAL AREA			324,086

FISHING VESSELS

The fishing vessels were dominated by 50-100 GT capacity, or total number was 471 in 2005.

Table 1.7. Number of domicile by size of Fishing Vessel in Nizam Zachman OFP, Year 2001-2008

YEAR	FISHING VESSELS (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
2006	45	41	261	33	168	309	17
2007	3	28	250	47	153	348	25
2008	3	28	250	47	153	348	25

LOGISTICS

For logistic supply, water and ice could be still needed more, but usually some fishing vessels already supplied their logistic from another near port when they transit before.

Table 1.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	207	520	-
Kerosene	-	3	-
Water	1,533	900	633
Ice	243	166	77

ECONOMIC CYCLE

The average number of worker and average circulation money in Nizam Zachman fishing port are as follow :

Table 1.9. Economic Cycle, Year 2008

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2008	35,619	10,800,000,000

FIGURES

A. Main Facilities



Overall view from sea



Fish processing area

B. Functional Facilities



Quaywall for fishing boats



East revetment

C. Supporting Facilities



Fuel supply



UPT Administration office

D. Activities



Fresh tuna export



Fish processing factory



Wholesale market



Auction hall (TPI)



2

Kendari

OCEANIC FISHING PORT
SOUTH EAST SULAWESI

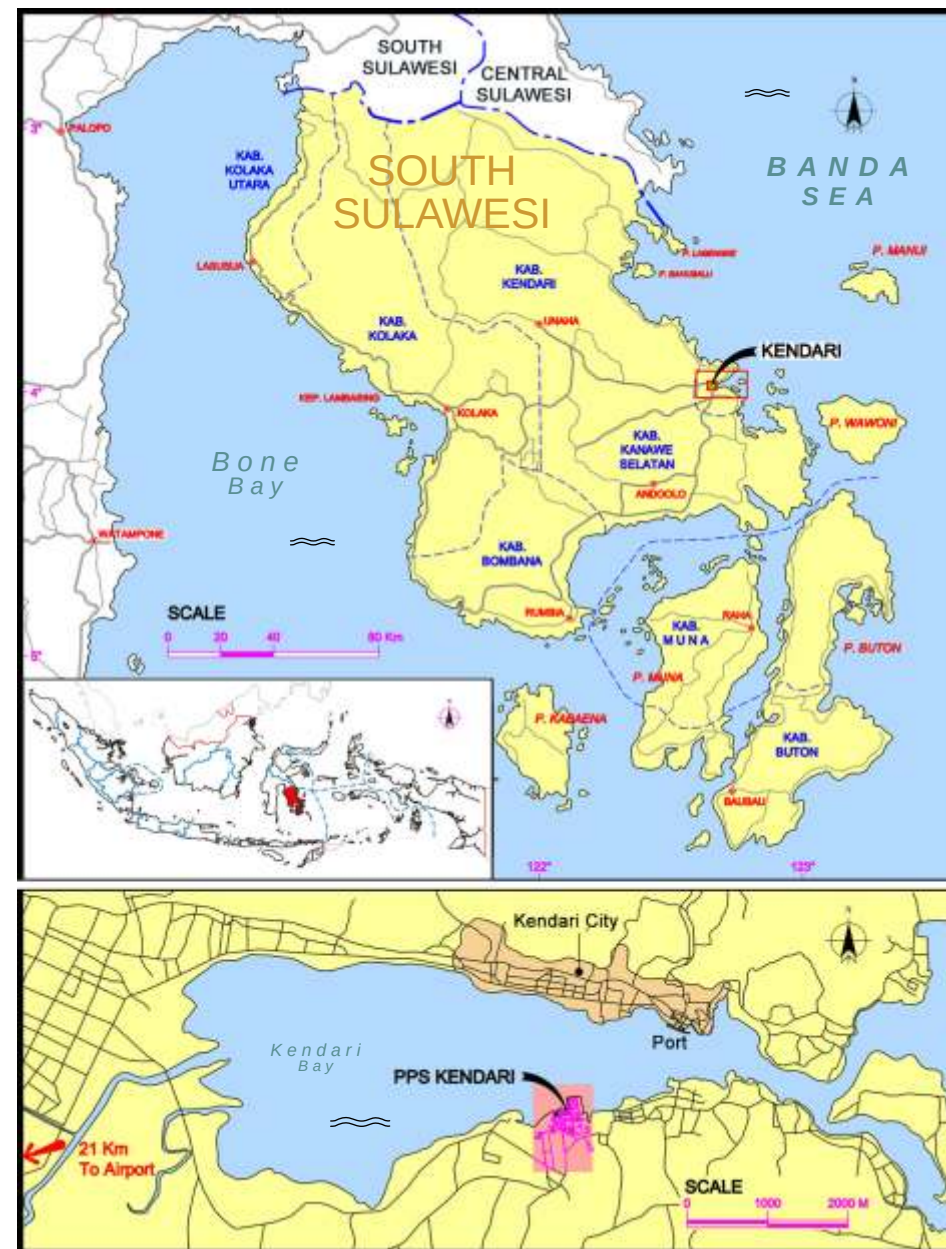
GENERAL INFORMATION

a. Name	: KENDARI
b. Classification	: Oceanic Fishing Port
c. Address	: Jl. Samudera No. 1 Puday Kec. Abeli Kota Kendari, Sulawesi Tenggara 93233
d. Phone	: (0401) 3122010, 3190868
e. Fax	: (0401) 3190868
f. E-mail	: pps_kendari@plasa.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: W. Haryomo, A.Pi, SE

Layout of Kendari OFF



Map of Port Access and Its Surrounding Areas



Location	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year (Million)	GRDP Growth /Year (%)	Source
Kendari	295.89	251,477 (2007)	2.82 (2007)	2,380,667 (2006)	19.18 (2006)	Statistics - Indonesia 2008 (BPS Catalogue)
South East Sulawesi	36,757.45	2,002,000 (2006)	1.60 (2006)	12,981,046 (2005)	26.42 (2005)	

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- | | | | |
|--------------------------------|---|--|--|
| a. River/Bay/Beach | : | Kendari | |
| b. Province | : | South East Sulawesi | |
| c. Regency/City | : | Kendari | |
| d. District | : | Abeli | |
| e. Village/Sub-District | : | Puday | |
| f. Geographic Position | : | <u>03° 58' 59" S Latitude</u>
<u>122° 34' 20" E Longitude</u> | |
| g. Distance Toward | | | |
| - Capital City of Province | : | 12 | Km |
| - Capital City of Regency/City | : | 12 | Km |
| - District | : | 3 | Km |
| - Airport | : | 35 | Km (Wolter Monginsidi Airport - Kendari) |
| - Other Ports | : | 14 | Km (PPI Kota Kendari) |
| | | 17.5 | Km (PT. Pelindo IV- Kendari) |

FACILITIES

Oceanic fishing port of Kendari is the biggest fishing port in Sulawesi, located in South East Sulawesi, facing Flores Sea, Banda Sea and Seram Sea. Its area is about 40.55 Ha. Facilities in this fishing port are as follow:

Table 2.1 Facilities in Kendari Fish OFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	40.55	Ha
2	Port pond	12.5	Ha
3	Pier-1	130	m
4	Pier-2	260	m
5	Revetment/turap	618	m
6	Complex road	29,945	m
7	Drainage	7,059	m ²
8	Industrial kavling (not utilized)	10	Ha
9	Industrial kavling (utilized)	12	Ha
10	Water depth	-6	m
B	FUNCTIONAL FACILITIES		
1	Administration office	1,326	m ²
2	Auction hall (TPI)	600	m ²
3	Crane truck	2	unit
4	Electricity and installation	1,110	KVA
5	Fishermen meeting hall	720	m ²
6	Forklift	1	unit
7	Fuel tank and installation (2x 500 KL)	1,000	KL
8	Genset and installation	500	KVA
9	Incinerator	140	m ²
10	IPAL installation	400	KL

NO	FACILITIES	VOLUME	UNIT
11	Navigation sign	2	unit
12	Parking area	1,741	m ²
13	Repair station	150	m ²
14	Toilet	126	m ²
15	Transit shed	635	m ²
16	Water instalation	700	KL
17	SSB Radio	1	unit
C	SUPPORTING FACILITIES		
1	BAP shops	90	m ²
2	CCTV	1	unit
3	Financial building	101	m ²
4	Fisherman Inn	672	m ²
5	Fisherman shelter	150	m ²
6	Guest house	140	m ²
7	Health clinic	90	m ²
8	House for Port Officer	9	unit
9	Laboratory building	112	m ²
10	Mosque	162	m ²
11	Equipment storage	200	m ²

OPERATIONAL DATA

Fisheries potency of Sulawesi waters are categorized in moderate grade and that explains the liner increasing trend of fishermen and fishing gear's number in year 2003 to 2007. Overall the operation of Kendari OFP was smooth fluctuating from year 2001 to 2008.

Table 2.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2008

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	2,174	71	18,701	23,661	197,464
2002	2,229	68	13,184	25,185	267,784
2003	1,371	162	24,624	25,950	179,320
2004	3,919	177	17,986	21,064	142,095
2005	3,972	227	17,074	39,228	144,780
2006	4,999	268	17,577	42,185	141,201
2007	7,673	555	15,772	43,576	180,405
2008	7,551	544	26,070	54,799	206,550

Boat visit has progressive tendency trend since 2004 and almost four times the increasing boat visit in 2008. For the average production in Kendari OFP from 2001 to 2004 was about 29,750 Kg/day and year 2002 was the best price for fish value. The value in 2008 was still better than year 2005 to 2006.

Table 2.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	12,975	18,022	169,132,420	50,061
2002	13,029	19,330	240,288,940	53,694
2003	7,765	11,830	96,853,672	32,860
2004	6,535	7,360	75,638,390	20,444
2005	18,746	9,395	61,982,365	26,098
2006	22,867	9,790	74,750,155	27,194
2007	21,984	33,198	309,104,983	92,217
2008	22,297	14,303	139,703,612	39,729

DOMINANT PRODUCT

Slander scad seemed to be the most dominant fish in Kendari OFP. But the *Octopus* and *Red snappers* were categorized into high economic value, followed by *Squids* and *Mackarel*. From all dominant fish, *Frigate tuna* got the most cheap price.

Table 2.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Beloso	Greater lizard fish	469,426	3,150,990,000	6,700
2	Cakalang	Skipjack tuna	1,483,578	8,724,982,162	5,850
3	Cumi-cumi	Common squid	709,256	11,365,554,311	16,000
4	Gurita	Octopus	2,856,567	63,361,239,217	22,200
5	Kakap merah	Red snapper	204,095	4,618,997,071	22,600
6	Kembung	Short-body mackerel	1,138,515	9,098,975,762	8,000
7	Kuro/Senangin	Threadfins	390,109	4,769,607,137	12,200
8	Kuwe	Jack trevallies	668,578	8,311,543,113	12,400
9	Layang/Benggol	Slander scad	6,763,224	44,082,732,235	6,500
10	Madidihang	Yellowfin tuna	580,729	3,535,730,418	6,100
11	Manyung	Giant catfish	332,084	2,934,001,500	8,800
12	Tenggiri	Narrow-barred Spanish mackerel	327,313	5,087,122,380	15,550
13	Tongkol krai	Frigate tuna	5,941,301	18,584,447,943	3,100

Table 2.5. Shrimp Data, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang dogol	Endeavour prawn	45,442	1,226,612,421	27,000
2	Udang putih	Banana prawn	70,327	2,221,043,921	31,600
3	Udang windu	Jumbo tiger shrimp/ Tiger prawn	91	3,185,000	35,000
4	Udang lainnya	Other shrimps	240	6,720,000	28,000

Due to the limited shrimp resources, makes the price was very expensive for *Tiger prawn*. But, *Banana prawn* gave significant income for Kendari OFP. It's shown from its total volume and value.

FISHERIES INDUSTRIES

Kendari Oceanic Fishing Port has a big potential industry area. There are 25 fisheries companies/business units in Kendari and other fisheries companies along southeast coast of Sulawesi and surroundings beyond the port area.

Table 2.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	CV. Andika	Cold storage	2,500
2	CV. Bersatu Untuk Maju	Cold storage	2,250
3	CV. Mina Jaya Lestari	Cold storage, ice factory	2,500
4	CV. Ome Trading Coy	Fish processing, ice factory	4,660
5	CV. Samudera Jasa Mandiri	Telecommunication shop, shop	1,000
6	FA. Sanu	Cold storage	1,500
7	PD. Utama Sultra	SPBN, ice factory	1,000
8	UD. Abadi Makmur Ocean	Collector, processing	4,500
9	PT. Ade Sultra Persada	Ice factory	4,500
10	PT. Biota Indo Persada	Ice factory, cold storage	9,050
11	PT. Cilacap Samudera Fishing Industry	Fishing, collector, processing, cold storage	4,260
12	PT. Kamal Cahaya Putra	Cold storage	5,040
13	PT. Kelola Mina Laut	Processing, cold storage, exporter	7,900
14	PT. Landipo Niaga Raya	Distributor of cooking oil	2,500
15	PT. Lintas Bestari Selaras	Ice factory	2,000
16	PT. Nusantara Fisheries	Storage, repair station	8,000
17	PT. PLN (Persero) Wil. Sulsel, Sultra dan Sulbar	Electrical supply, fuel tank (MFO)	3,350
18	PT. PLN PJB-II (Persero)	Electrical supply	10,845
19	PT. Putra Sultra Samudera	Docking, workshop	8,869
20	PT. Sultra Mitra Lestari	Ice factory	5,000
21	PT. Sultra Tuna Samudera	Fishing, collector, processing, cold storage, ice factory	13,000
22	PT. Sumber Laut Mandiri	Processing, cold storage	2,250
23	PT. Tofico	Storage, repair station	6,867
24	PT. Trobos Benua	Processing, cold storage	2,250
25	PT. Yanagi Histalaraya	Processing, cold storage, exporter	2,500
TOTAL AREA			118,091

FISHING VESSELS

All boats that domicile and operate in Kendari fishing port are fishing vessels with various capacities. But, it's still dominated by fishing vessels size < 10 GT and 20-30 GT.

Table 2.7. Number of domicile by size of Fishing Vessel in Kendari OFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	20	4	2	26	27	17	13
2002	12	4	20	28	28	27	23
2003	112	16	38	23	30	35	19
2004	92	6	55	30	41	37	28
2005	199	18	30	16	47	16	14
2006	687	13	63	39	38	5	11
2007	672	17	86	29	27	2	6
2008	664	17	97	34	12	5	1

LOGISTICS

Almost all fishing vessels in Kendari OFP supplied their fuel in another ports. So, in the future a bigger capacity of SPDN would be needed to fulfill the demand.

Table 2.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	56	8	48
Kerosene	1	1	-
Water	574	574	-
Ice	152	152	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Kendari fishing port are as follow :

Table 2.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	1,373	1,735,097,000

FIGURES

A. Main Facilities



Pier



Port pond



Port area



Complex road

B. Functional Facilities



Crane



Docking



SPDN



Auction hall (TPI)

C. Supporting Facilities



Port gate

D. Activities



Fish processing



Fish loading activities



Refueling



3

Belawan

OCEANIC FISHING PORT
NORTH SUMATERA

GENERAL INFORMATION

a. Name	: BELAWAN
b. Classification	: Oceanic Fishing Port
c. Address	: Jl. Gabion Belawan - Medan, PO BOX 20
d. Phone	: (061) 6941016, 6944889
e. Fax	: (061) 6940329
f. E-mail	: pps_belawan@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. Asifus Zahid, B.Sc

Layout of Belawan OFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Medan	265.10	2,067,288 (2006)	1.53 (2006)	2,380,667 (2006)	14.33 (2006)	Statistics - Indonesia 2008
North Sumatera	72,427.81	12,643,000 (2006)	1.38 (2006)	12,981,046 (2005)	15.92 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

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 : 03° 46' 51" N Latitude
98° 42' 44" E Longitude

g. Distance Toward

- Capital City of Province : 30 Km
- Capital City of Regency/City : 30 Km
- District : 2.5 Km
- Airport : 30 Km (Polonia Airport - Medan)
- Other Ports : 1 Km (Indonesia I Port - Belawan)
350 Km (Sibolga Archipelagic Fishing Port)

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

Table 3.1. Facilities in Belawan OFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port pond	34.28	Ha
2	Pier-1	1,228	m ²
3	Revertment/turap	265	m
4	Jetty	1,008	m ²
5	Complex road	26,236	m ²
6	Reclamation	20,000	m ²
7	Shipping routes	99,650	m ²
8	Water depth	-2.5	m
B	FUNCTIONAL FACILITIES		
1	Administration office	200	m ²
2	Auction hall (TPI)	800	m ²
3	Cold storage	3	unit
4	Electricity	1,110	KVA
5	Fishermen meeting hall	150	m ²
6	Fuel installation	1	unit
7	Ice factory	500	ton/day
8	IPAL	1	unit

NO	FACILITIES	VOLUME	UNIT
9	Parking area	4,232	m ²
10	Repair station	4	unit
11	Telecommunication	1	unit
12	Water supply installation	2	unit
C	SUPPORTING FACILITIES		
1	Meeting hall	175	m ²
2	Mosque	162	m ²
3	Operator guest house	150	unit

Indicators of various operation activities in this port, such as numbers of fisherman, fishing gears and fishing activities, are as follow:

Table 3.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	6,285	446	44,833	21,894	124,360
2002	6,500	463	50,922	45,614	146,113
2003	6,750	481	37,981	48,213	160,517
2004	7,000	499	35,562	46,061	226,080
2005	7,229	533	34,203	35,200	203,760
2006	8,202	519	28,515	73,152	238,896
2007	8,192	472	35,772	75,384	250,416

Total production was increasing almost 25% in 2005 than 2001, and reached the best value in 2005.

Table 3.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	34,946	52,376	366,632,000	145
2002	32,728	39,427	291,916,000	110
2003	26,364	30,369	247,309,500	84
2004	33,800	43,560	522,720,000	121
2005	37,978	71,455	1,035,690,000	198
2006	103,345	29,706	-	83
2007	77,503	39,134	-	109

DOMINANT PRODUCT

Trevallies was the most dominant fish in Belawan OFP, followed by *Scad* and *Mackarel*. The dominant fish in Belawan OFP as shown in table below :

Table 3.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Biji Nangka	Yellow-stripe goatfish	2,232,000	-	-
2	Kembung	Short-body mackerel	3,422,000	-	-
3	Layang	Slander scad	3,720,000	-	-
4	Layur	Hairtails	1,846,000	-	-
5	Manyung	Giant catfish	897,000	-	-
6	Selar	Trevallies	4,820,000	-	-
7	Tenggiri	Narrow barred Spanish mackerel	1,844,000	-	-
8	Teri	Anchovies	1,477,000	-	-
9	Tetengkek	Torpedo scad	1,827,000	-	-
10	Tongkol/Lisong	Bullet tuna	1,203,000	-	-

Table 3.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang windu	Black tiger shrimp	960,000	76,800,000,000	80,000
2	Udang putih	Banana prawn	901,000	36,040,000,000	40,000
3	Udang lainnya	Other shrimps	181,000	3,620,000,000	20,000

Black Tiger became the most primary shrimp in Belawan OFP. It's shown from the total volume and value, which was greater than the other.

FISHERIES INDUSTRIES

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

Table 3.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Bin Cuan	ice factory + GPI	13,675
2	Bina Usaha Kurnia Laut	Fish handling storage (GPI)	12,500
3	Bustami	Repair station	1,300
4	Cia Kim Han	Fresh fish collector	299

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
5	CV. Karya Bakti	Cold storage	1,050
6	CV. Mitra Belawan Fishing (MBF)	Fish handling storage (GPI)	4,965
7	CV. Putra Berombang Perkasa	Fish handling storage (GPI)	3,343
8	CV. Soon Ho	Cold storage	1,125
9	Ex. Su Thian	Fresh fish collector	200
10	Ex. Sumardi	Repair station	800
11	Ex. Tjin Peng	Material of fishing gear + (BAP)	1,250
12	Ex. Zulfan Sagita	Fresh fish collector	260
13	Gd. B II	Fish handling storage (GPI)	4,183
14	Gd. CHC	Fish handling storage (GPI)	7,186
15	Gd. Horas	Fish handling storage (GPI)	10,741
16	Gd. HSC	Fish handling storage (GPI)	13,012
17	Gd. Karya Laut	Fish handling storage (GPI)	3,555
18	Gd. Mitra Laut	Fish handling storage (GPI)	9,398
19	Gd. Putri Indah (PNP)	Fish handling storage (GPI)	3,489
20	Gd. SBL	Fish handling storage (GPI)	1,563
21	Gd. Sumber Laut	Fish handling storage (GPI)	1,156
22	Gd. TGC/KUD	Fish handling storage (GPI)	11,817
23	Gd. United	Fish handling storage (GPI)	8,955
24	GPI. No.02/Auction Hall (TPI)	Fish handling storage (GPI)	3,702
25	Hermanto	BAP + canteen	770
26	Hong Tat	Fresh fish collector + BAP	672
27	Iksan kenanga	Repair station	625
28	Jahisar Marpaung	Material of fishing gear + (BAP)	750
29	KUD Mina Makmur I	Fuel unit/APMS	2,848
30	KUD Mina Makmur III	Fuel unit/APMS	875
31	Laster Shotang	Material of fishing gear + (BAP)	250
32	M. Samin	Repair station	250
33	Marion Situmorang	Drum storage place	224
34	MCF	Material of fishing gear + (BAP)	1,604
35	Ny. M. Situmorang/Br. Hutabarat	Material of fishing gear + (BAP)	225
36	Oloan Panggabean	Fuel unit/APMS	7,050
37	Osman	Material of fishing gear + (BAP)	1,425
38	Pe Se Kwang	Material of fishing gear + (BAP)	835
39	Perum PPS Cab. Belawan	Ice factory	5,500
40	PT. Abadi Jaya	GPI + BAP + Tuasan	12,317
41	PT. Aisa	Fish handling storage (GPI)	7,050
42	PT. CSA	Ice factory	6,500
43	PT. Edina	Fuel unit/APMS	750
44	PT. Giss	Ice factory	5,500
45	PT. Karya Agung Lestari Jaya	Cold storage	4,674
46	PT. Karya Agung Lestari Jaya	Fish handling storage (GPI)	13,412
47	PT. Mina Jaya	Cold storage	5,000
48	PT. Mina Jaya	Ice factory	6,512
49	PT. PMS	Fish handling storage (GPI)	4,709
50	PT. Sekar Mulia Utama	Fuel unit/APMS	267

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
51	PT. Surya Samudera Sempurna	Cold storage + GPI	20,061
52	PT. Wiryasakti	Fish handling storage (GPI)	8,205
53	Sadikun	Fresh fish collector	50
54	Sahnun Tenggara	Material of fishing gear + (BAP)	250
55	Sarbaini Zu	Repair station	250
56	Su Thiam	Material of fishing gear + (BAP)	1,050
57	Subandi Asrul	Material of fishing gear + (BAP)	625
58	Sugianto	Fuel unit/APMS	2,650
59	Sui Lie	Material of fishing gear + (BAP)	534
60	Sumber Utama (SBU)	Fish handling storage (GPI)	22,414
61	Syahrul (Eluiddin)	Material of fishing gear + (BAP)	250
62	Tjian Peng	BAP + canteen	546
63	Tjian Tjo	BAP + repair station	900
64	Tong Tek alias Saman	Fresh fish collector	251
65	Yon Harto	Repair station	260
TOTAL AREA			268,414

FISHING VESSELS

All boats that domicile and operate in Belawan fishing port are fishing vessels with various capacities. Fishing Vessels were dominated by <10 and 30-50 GT capacity.

Table 3.7. Number of domicile by size of Fishing Vessel in Belawan OFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	250	3	42	47	34	70	402
2002	263	4	42	47	34	73	426
2003	278	5	42	47	34	75	446
2004	292	6	42	47	37	75	448
2005	316	6	44	50	38	79	533
2006	86	9	130	58	88	101	-
2007	117	18	195	48	49	79	-
2008	103	17	220	43	43	72	-

LOGISTICS

Logistic supplies almost fulfilled for water and ice. In the future, Belawan OFP would need bigger SPDN capacity to anticipate the increasing fuel's demand.

Table 3.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	170	150	20
Kerosene	10	9	1
Water	566	566	-
Ice	100	98	2

ECONOMIC CYCLE

The average number of worker and average circulation money in Belawan fishing port are as follow :

Table 3.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	10,742	3,867,325,000

FIGURES

A. Main Facilities



Port pond



Pier

B. Functional Facilities



SPDN



Administration office

C. Supporting Facilities



Shops



4

Bungus

OCEANIC FISHING PORT
WEST SUMATERA

GENERAL INFORMATION

a. Name	: BUNGUS
b. Classification	: Oceanic Fishing Port
c. Address	: Jl. Padang - Painan, KM-16 Padang Sumatera Barat 25245
d. Phone	: (0751) 751121, 751120
e. Fax	: (0751) 751122
f. E-mail	: pps_bungus@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Syafli Arsyid, B.Sc

Layout of Bungus OFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Padang City	694.96	819,740 (2006)	2.30 (2006)	13,283,508 (2005)	15.42 (2005)	Statistics - Indonesia 2008
West Sumatra	42,224.65	4,632,000 (2006)	1.45 (2006)	44,674,569 (2005)	19.58 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- a. River/Bay/Beach : Kabung Bay
 b. Province : West Sumatera
 c. Regency/City : Padang
 d. District : Teluk Kabung
 e. Village/Sub-District : Bungus
 f. Geographic Position : 01° 01' 47" S Latitude
 100° 23' 44" E Longitude
- g. Distance Toward
 - Capital City of Province : 16 Km
 - Capital City of Regency/City : 16 Km
 - District : 4 Km
 - Airport : 40 Km (Minangkabau Airport - Padang)
 - Other Ports : 0.5 Km (PT ASDP)
 12 Km (Pelindo - Teluk Bayur)

FACILITIES

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 more than 16 Ha. Facilities in this fishing port are as follow:

Table 4.1. Facilities in Bungus Oceanic Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	16.6	Ha
2	Pier-1	1,500	m ²
3	Pier-2	728	m ²
4	Pier-3	350	m ²
5	Jetty	400	m ²
6	Complex road	1,500	m
7	Water depth	-7	m
B	FUNCTIONAL FACILITIES		
1	Administration office	267	m ²
2	Auction hall (TPI)	3,334	m ²
3	Cold storage	620	ton
4	Dock area	2,869	m ²
5	Docking	1	unit
6	Electricity	67	KVA
7	Fisherman meeting building	1,214	m ²
8	Forklift	2	ton
9	Fuel tank	75	ton
10	Generator room	214	m ²
11	Genset	50	KVA
12	Genset house	20	m ²
13	Hydrant	1	unit

NO	FACILITIES	VOLUME	UNIT
14	Ice factory	1,523	m ²
15	Packing building	1,100	m ²
16	Parking area	250	m ²
17	Reservoir basin	300	m ³
18	Repair station	250	m ²
19	Transit shed	200	m ²
20	Vessel lift	30	GT
21	Vessel lift house	70	m ²
22	Water tank & installation	50	ton
23	Water treatment	1	unit
C	SUPPORTING FACILITIES		
1	Fisherman shelter	2	unit
2	House for Port Officer	16	unit
3	SSB Radio	1	unit

OPERATIONAL DATA

Since 2001 to 2005, seemed perform a linier trend for distribution of supplies. But the number of fisherman and fishing gears were fluctuated from 2001 to 2007. The average value was about seven billion rupiahs for once time visit in Bungus OFP along seven past year (2001 to 2007).

Table 4.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	17,950	3,590	2,948	8,281	1,163
2002	9,320	2,674	3,287	8,293	2,742
2003	7,710	1,195	1,984	7,215	9,648
2004	4,362	598	1,476	8,339	5,782
2005	3,960	868	2,872	7,649	14,514
2006	81,406	9,172	1,815	7,379	13,978
2007	68,932	8,138	182,000	6,335	17,536

Table 4.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	3,590	2,706	19,223,186	7,730
2002	2,674	2,191	16,749,900	6,260
2003	1,195	1,208	6,611,310	3,450
2004	598	504	3,902,034	1,440
2005	868	629	5,252,062	1,800
2006	9,172	2,013	74,453,085	5,750
2007	8,138	797	6,965,210	2,280

DOMINANT PRODUCT

Common dolphin was the most dominant fish in Bungus OFP and the best price reached by *Yellowfin tuna*. All ten dominant fish in Bungus were categorized into high economic value of catches.

Table 4.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Banyar	Indian mackerel	5,020	50,200,000	10,000
2	Cakalang	Skipjack tuna	317,710	4,765,650,000	15,000
3	Kembung	Short-body mackerel	20,700	207,000,000	10,000
4	Kerapu	Groupers	4,110	82,200,000	20,000
5	Layur	Hairtails	21,350	213,500,000	10,000
6	Lemadang	Common dolphin fish	650,000	7,150,000	11,000
7	Selar kuning	Trevallies	5,810	58,100,000	10,000
8	Slengseng	Spotted chub mackerel	12,740	127,400,000	10,000
9	Tongkol/Lisong	Bullet tuna	258,960	3,366,480,000	13,000
10	Tuna sirip kuning	Yellowfin tuna	147,770	3,989,790,000	27,000

Table 4.5. Shrimp Data, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Lobster	Lobster	230	27,600,000	120,000

Lobster was the only shrimp that could be recorded in statistic of Bungus OFP. Its price was very good enough and more, its economic value was higher than dominant fish.

FISHERIES INDUSTRIES

Bungus Port has rather big potential industry area. About 9 fisheries companies/business units are located in this port industrial area, excluding other fishing companies along the west coast of West Sumatera Province and surroundings beyond port area.

Table 4.6. Fisheries Companies in Bungus OFP

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Amri	Fish catching	7,500
2	CV. Audina Yolanda	Telecommunication	500
3	CV. Priadi Sabena	Processing	863
4	Lajuardin	Fish catching	24
5	PT. Danitama Mina	Ice factory	1,523
6	PT. Dempo Andalas Samudera	Processing	7,000
7	PT. Pejuang Mina Bahari	Fish catching	200
8	PT. Sinar Argo Marine Utama (SAMU)	Fish marketing	294
9	PT. Tridaya Eramina	Fish catching & processing	1,000
TOTAL AREA			12,604

FISHING VESSELS

All boats that domicile and operate in Bungus fishing port are fishing vessels with various capacities. The number of fishing vessels were dominated by < 10 GT and 100-200 GT capacity (about 50% from total fishing vessels in Bungus OFP).

Table 4.7. Number of landing frequency by size of Fishing Vessel in Bungus OFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	2,824	231	535	-	-	-	-
2002	2,489	177	8	-	-	-	-
2003	1,039	46	59	-	-	51	-
2004	442	6	21	20	90	19	-
2005	654	-	6	-	-	208	-
2006	2,250	2,004	1,050	426	1,979	1,463	-
2007	3,794	605	420	476	1,321	1,522	-
2008	1,806	97	153	2	970	133	-

LOGISTICS

Table 4.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	3	1	2
Kerosene	-	-	-
Water	48	48	-
Ice	17	17	-

Fuel seemed not the priority of logistic supply. Some reasons such as fuel price in certain area could affect the demand of fuel in Bungus OFP,

ECONOMIC CYCLE

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 4.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	1,583	314,925,000

FIGURES

A. Main Facilities



Pier



Port pond



Complex road



Bollard

B. Functional Facilities



Auction hall (TPI)



SPDN



Administration office



Reservoir

C. Supporting Facilities



Port gate



Fisherman meeting building



Mosque



Processing Industry

D. Activities



Ice supply



Fish loading



Mooring activities



Water supply



5

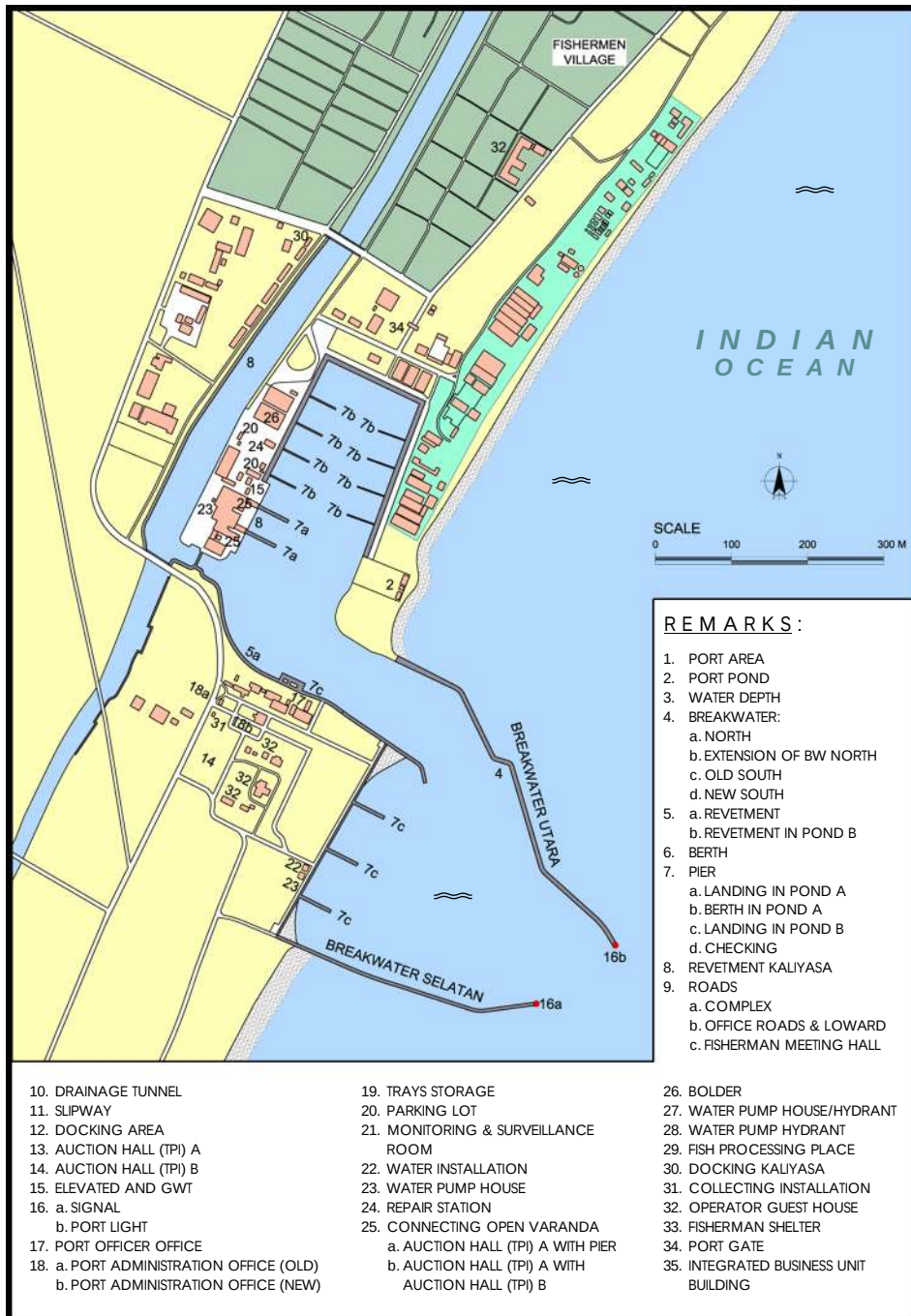
Cilacap

OCEANIC FISHING PORT
CENTRAL JAVA

GENERAL INFORMATION

a. Name	: CILACAP
b. Classification	: Oceanic Fishing Port
c. Address	: Jl. Lingkar Teluk Penyu No.2 - Cilacap Jawa Tengah 53200
d. Phone	: (0282) 532686, 532682
e. Fax	: (0282) 532688
f. E-mail	: ppsclilacap@telkom.net
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. Mian Sahala Sitanggang, M.BA

Layout of Cilacap OFF



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Cilacap	2,138.50	1,721,664 (2006)	0.32 (2006)	61,836,967 (2006)	22.72 (2006)	Statistics - Indonesia 2008
Central Java	32,799.71	32,179,000 (2006)	0.50 (2006)	234,435,323 (2005)	21.20 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- | | | |
|--------------------------------|---|---|
| a. River/Bay/Beach | : | Bay |
| b. Province | : | Central Java |
| c. Regency/City | : | Cilacap |
| d. District | : | South Cilacap |
| e. Village/Sub-District | : | Telaga Kemulyan |
| f. Geographic Position | : | <u>07° 43' 40" S Latitude</u>
109° 01' 31" E Longitude |
| g. Distance Toward | | |
| - Capital City of Province | : | 230 Km |
| - Capital City of Regency/City | : | 3 Km |
| - District | : | 2 Km |
| - Airports | : | 250 Km (Ahmad Yani Airport - Semarang) |
| | | 260 Km (Adi Sumarmo Airport - Solo) |
| - Other Ports | : | 4 Km (Pelindo - Cilacap) |
| | | 200 Km (Pekalongan Archipelagic Fishing Port) |

FACILITIES

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, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	33.04	Ha
2	Port pond	8	Ha
3	Pier-1	86	m ²
4	Pier-2	315	m ²
5	Pier-3	240	m ²
6	Revetment/turap	1,410	m
7	Complex road	1,500	m
8	Breakwater	980	m
9	Berth	116	m
10	Drainage	244	m
11	Groin	146	unit
12	Water depth	-3	m
B	FUNCTIONAL FACILITIES		
1	Administration office	544	m ²
2	Auction hall (TPI)	1,684	m ²
3	Bolder	20	unit
4	Collecting installation	1	unit
5	Docking	5	unit
6	Elevated and ground water tank	89	m ³

NO	FACILITIES	VOLUME	UNIT
7	Fish processing room	120	m ²
8	Fuel supply building	7	m ²
9	Fuel tank	8,000	litre
10	Hydrant	5	unit
11	Monitoring & surveillance room	200	m ²
12	Navigation sign	2	unit
13	Parking area	168	m ²
14	Port Officer office	36	m ²
15	Pump house	1	unit
16	Repair station	75	m ²
17	Repairing & drying	1,000	m ²
18	Slipway	3,120	m ²
19	Trays storage	100	m ²
20	Water tank & installation	4,224	litre
C	SUPPORTING FACILITIES		
1	Fisherman shelter	120	m ²
2	Industrial area	120	m ²
3	Operator guest house	18	unit
4	Port gate	1	unit

OPERATIONAL DATA

The operation of Cilacap Fishing Port was fluctuating. The indicators of various operational activities in Cilacap Fishing Port, such as the numbers of fisherman, fishing gear and fishing activities, are as follow:

Table 5.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	-	-	15,056	18,520	9,431
2002	35,714	401	13,341	16,642	7,440
2003	24,418	441	11,194	2,510	4,525
2004	16,676	405	13,787	6,315	2,455
2005	7,006	746	12,428	7,976	3,676
2006	4,847	719	4,966	7,426	4,059
2007	68,932	684	4,059	18,670	5,871

There was significant increasing number of fisherman, fishing gear and also the distribution of supplies, such as fuel, ice and water (along 2003-2005).

Table 5.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	13,080	4,188	21,561,970	11,633
2002	4,201	4,929	22,214,190	13,831
2003	2,750	3,572	11,691,670	9,923
2004	2,629	1,422	5,575,670	3,949
2005	33,492	1,452	6,387,060	4,035
2006	56,336	6,475	-	17,987
2007	75,625	5,880	-	16,335

There was increasing number of boat visit in Cilacap OFP. But due to over fishing surround Cilacap waters, the catches were very limited to be exploited.

DOMINANT PRODUCT

Table 5.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Cakalang	Skipjack tuna	3,269	21,752,189,430	6,654
2	Cucut tikus	Threeshee shark	5,183	511,885,000	6,009
3	Ikan Casper	Pomfret	34,010	1,404,128,320	6,000
4	Setuhuk hitam	Black marlin	12,513	2,006,010,300	17,829
5	Tongkol/Lisong	Bullet tuna	61,677	647,308,000	4,004
6	Tuna albakora	Albacore	5,852	1,582,251,500	14,948
7	Tuna kecil mata besar	Big eye baby tuna	49,606	1,582,963,020	10,581
8	Tuna kecil sirip panjang	Yellowfin baby tuna	172,819	2,088,215,370	12,083
9	Tuna mata besar	Big eye tuna	612,950	7,524,148,910	28,590
10	Tuna sirip panjang	Yellowfin tuna	231,558	6,700,330,625	28,935

Bigeye tuna was the most dominant fish, both in volume and price. Species of tuna almost dominated all the catches in Cilacap OFP. The lowest price was for *Bullet tuna*, that inversed to *Yellowfin tuna* price. *White shrimp* could be found easier in Cilacap OFP (shown by the total volume in 2007), and *Lobster* was the highest economic value for dominant shrimps.

Table 5.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Lobster	Lobster	2,008	254,533,000	126,785
2	Udang windu	Black tiger	1,632	107,633,500	65,936
3	Udang putih	Banana prawn	372	14,030,800	10,079
4	Udang vaname	Vaname shrimp	76,155	81,585,500	37,707
5	Udang lainnya	Other shrimps	1,316	13,259,000	1,071

FISHERIES INDUSTRIES

Cilacap Fishing Port has a big potential industry area. 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 5.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Adis Suyanto	Storage and cold storage	360
2	Arsono	Facilities of processing, cold storage and repair station	400
3	Arsono	Shop for fishing gear material	535
4	BPKSA	Site office and warehouse	720
5	Burhan	Boat equipment storage and and fish catching facilities	530
6	Burhan	Fish Processing and packing	254
7	Dei Conghan	Facilities of processing, storage, cold storage and repair station	796
8	Edy Kasman	Repair station	238
9	Hartono	Cold storage, storage, processing of catches and restaurant	1,005
10	Hartono	Repair station, storage, BAP shop and cold storage	1,621
11	Jasman	Storage for goods/equipment	396
12	Joni A	Storage for goods/equipment	396
13	Kheng Seng	Storage and mini cold storage	400
14	Kho Cui Tie	Storage for goods/equipment	396
15	KUD Mandiri Mino Saroyo	Fish storage of Para-para fish and Waserda	3,700
16	Liem Le Hwa	Facilities of storage, repair station and cold storage	840
17	Martono	Facilities of processing, cold storage and repair station	400
18	PT. Andalan Mino Saroyo	Ice factory	2,250
19	PT. Cakra Mina Perasa	Marine catches processing	3,400
20	PT. Cilacap Samudera Fishing Industry	Cold storage, all catches processing and other supporting facilities	4,500
21	PT. Kusuma Suisan Jaya	Marine catches processing	3,630
22	PT. Mina Raharja Perkasa	SPBU	5,000
23	PT. Toxindo	Marine catches Processing	5,405
24	Slamet	Repair Station	104
25	Tan Hasan Subroto	Storage and cold storage	500
26	Tuhi	Equipment storage and fish catching facilities	300
27	Tuhi	Place for processing and packing	600
28	UD. Kwantat	Processing of sea snail, layur and prawn	1,050
29	UD. Mitra Anugerah Nusantara	Marine catches processing	1,600
30	Un Juliono	Cold storage, equipment storage and fish catching facilities	1,173
TOTAL AREA			42,499

FISHING VESSELS

All boats that domicile and operate in Cilacap fishing port are fishing vessels with various capacities.

Table 5.7. Number of domicile by size of Fishing Vessel in Cilacap OFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	-	-	-	-	-	-	-
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	14	-
2007	215	-	262	26	55	12	-
2008	215	-	287	39	50	12	-

LOGISTICS

Supply of fuel would be needed more to anticipate the increasing of fishing vessel number and industry matter.

Table 5.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	64	40	24
Kerosene	-	-	-
Water	1,007	1,007	-
Ice	22	22	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Cilacap OFP are as follow :

Table 5.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	7,148	714,092,099

FIGURES

A. Main Facilities



Port pond



Pier



Revertment



Breakwater

B. Functional Facilities



Fish market



SPDN



Auction hall (TPI)



Hydrant

C. Supporting Facilities



Fisherman meeting building



Port gate



Mosque



Guest house

D. Activities



Fishing vessel repairment



Activities in fish market



Fish shortage



Unloading activities



6

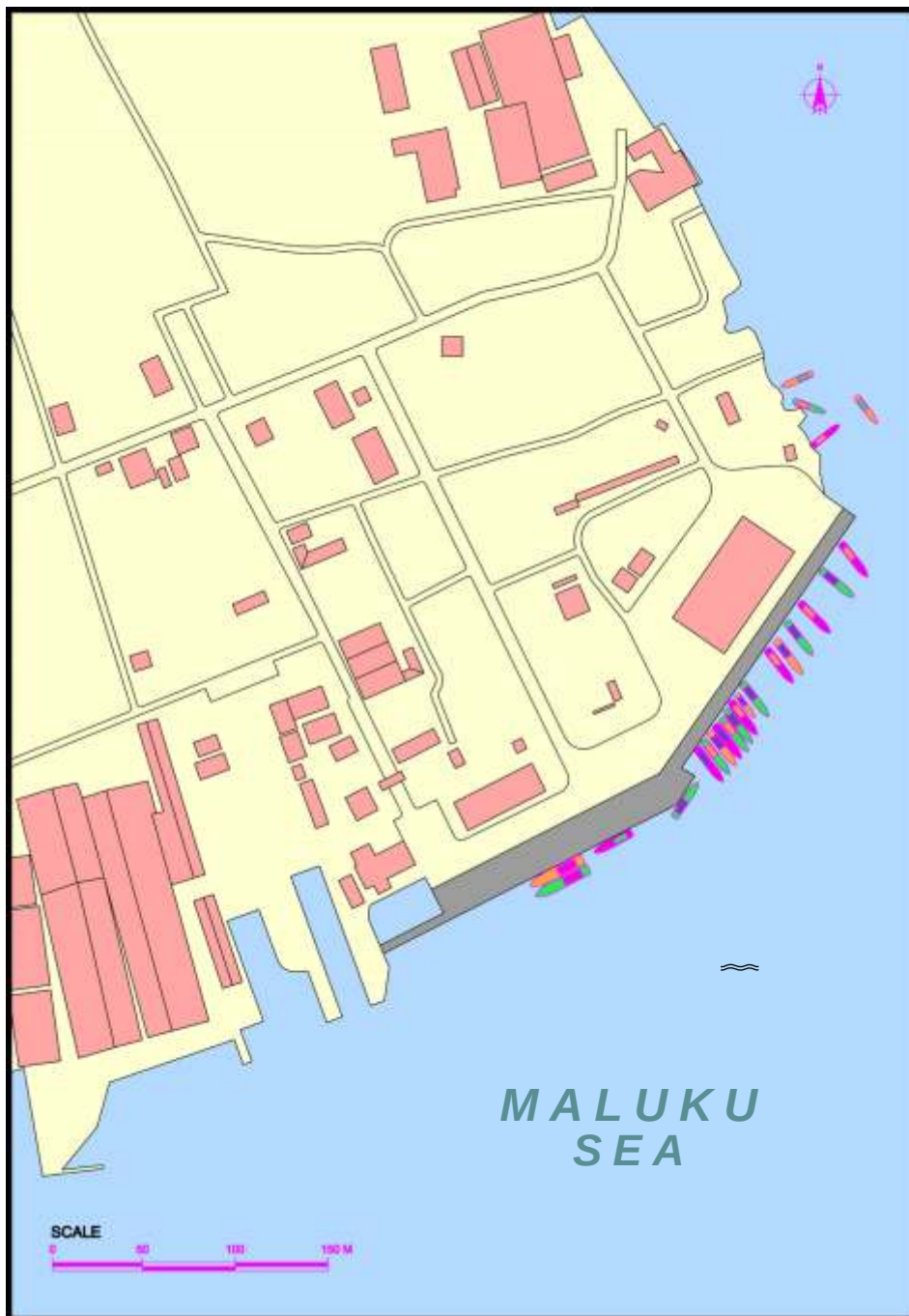
Bitung

OCEANIC FISHING PORT
NORTH SULAWESI

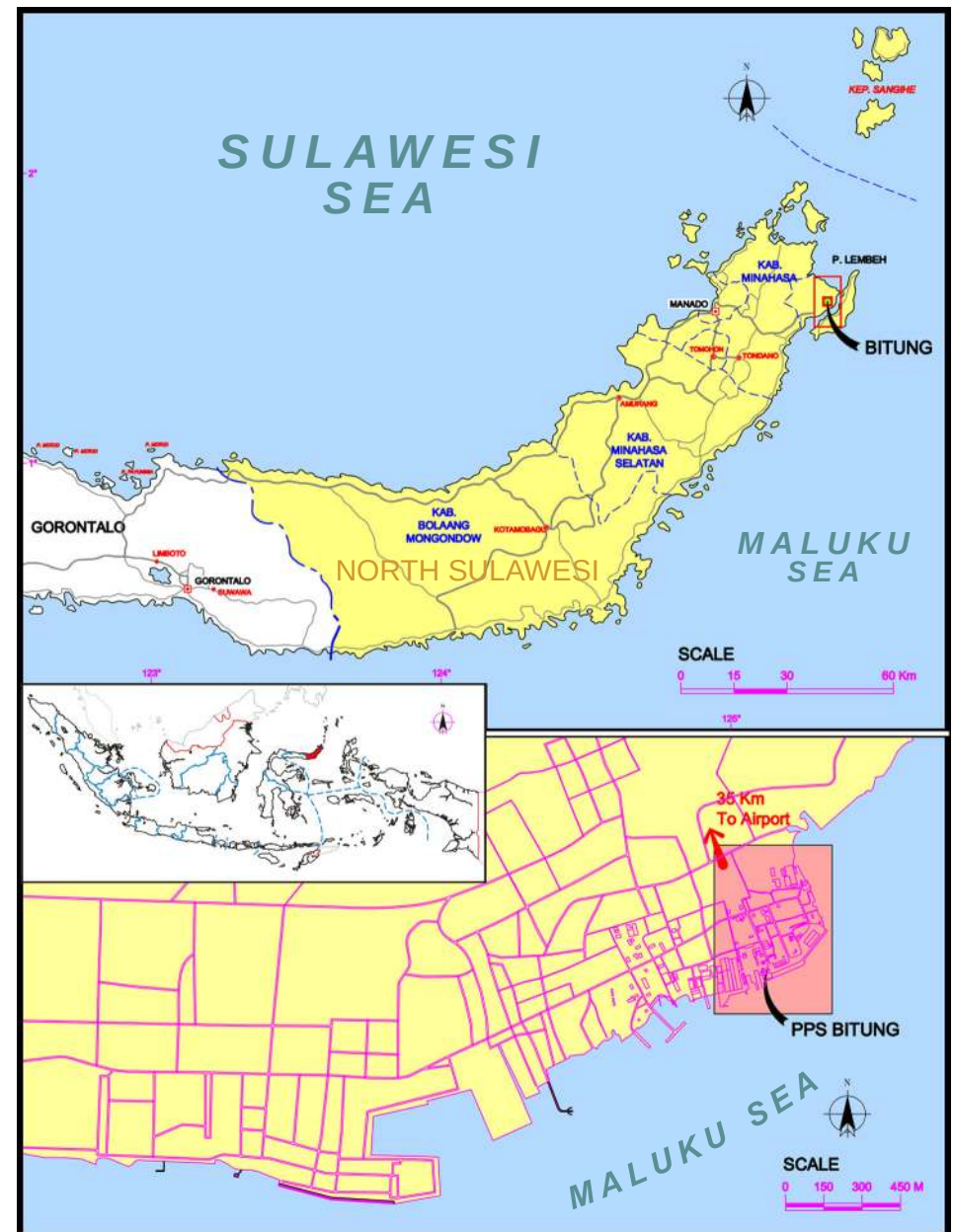
GENERAL INFORMATION

a. Name	: BITUNG
b. Classification	: Oceanic Fishing Port
c. Address	: Kel. Aertembaga Satu - Kec. Aertembaga Kota Bitung - Sulawesi Utara 95526
d. Phone	: (0438) 36775
e. Fax	: (0438) 34393
f. E-mail	: ppn_bitung@yahoo.co.id
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. Estefanus Worang

Layout of Bitung OFF



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Bitung City	304.00	174,003 (2007)	2.44 (2007)	2,626,689 (2007)	1.10 (2007)	Statistics - Indonesia 2008
North Sulawesi	13,930.73	2,161,000 (2006)	1.29 (2006)	17,815,123 (2005)	16.23 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- 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 Latitude : 01° 26' 56" N Latitude
 125° 12' 28" E Longitude
 g. Distance Toward
 - Capital City of Province : 50 Km
 - Capital City of Regency/City : 2 Km
 - District : 1 Km
 - Airport : 46 Km (Samratulangi Airport)
 - Other Ports : 2 Km (Pelindo - Bitung)
 100 Km (Ternate Archipelagic Fishing Port)

FACILITIES

Bitung Fishing Port is one of the existing archipelagic 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 6.1. Facilities in Bitung Oceanic Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Pier-1	1,764	m ²
2	Pier-2	63	m ²
3	Complex road	2,400	m ²
4	Anchor wharf	1,610	m ²
5	Road and drainage	6,550	m ²
6	Water depth	-5 / -1	m
B	FUNCTIONAL FACILITIES		
1	Administration office	635	m ²
2	Auction hall (TPI)	1,420	m ²
3	Electrical installation	13,000	Watt
4	Forklift	10	unit
5	Genset	1,500	KVA
6	IPAL	75	m ²
7	Operational boat	1	unit
8	Packing building	456	m ²
9	Reservoir basin	50	m ³
10	Water pump	1	unit
11	Water tower and installation	1	unit
12	Alcon pump	3	unit

NO	FACILITIES	VOLUME	UNIT
C	SUPPORTING FACILITIES		
1	BAP shops	628	m ²
2	Cool box	60	unit
3	Ice crusher	3	unit
4	Leader official house	150	m ²
5	Operator housing	108	m ²
6	Forklift 2.5 ton	5	unit
7	Forklift 2 ton	5	unit

OPERATIONAL DATA

In year 2003 to 2007, the production of all catches trends were increasing rapidly likewise its associated values, the trend also increasing significantly as seen in the following table.

Table 6.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	-	-	-	-	-
2002	-	-	-	-	-
2003	-	-	-	-	-
2004	-	-	4,454	730	3,150
2005	6,328	-	11,106	23,547	10,393
2006	8,973	1,147	2,887	4,370	4,660
2007	4,924	4,924	14,704	7,070	3,605

Table 6.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	-	-	-	-
2002	-	-	-	-
2003	4,017	1,102	-	-
2004	4,958	2,324	-	-
2005	16,014	6,051	26,971,081	16,807
2006	21,571	9,714	48,669,768	26,983
2007	24,952	13,123	93,073,388	36,453

DOMINANT PRODUCT

Slander scad was the dominant fish in bitung OFP. It was almost 30% from total volume and distributed gradely for *Skipjack tuna*, *Bullet tuna* and *Albacore*. *Trevallies* and *Sardine* have the best price and catagories into highest economic value.

Table 6.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Cakalang	Skipjack tuna	2,910,890	19,746,861,392	6,784
2	Kembung	Short-body mackerel	870	7,943,066,667	9,130
3	Layang	Slander scad	4,442,470	4,701,223,333	1,058
4	Sarden/Siro	Sardine	168,940	4,268,075,000	25,264
5	Selar	Trevallies	221,550	6,830,662,500	30,831
6	Tongkol	Bullet tuna	2,820,950	14,815,042,725	5,252
7	Tuna albakora	Albacore	1,440,630	17,352,178,058	12,045
8	Ikan lainnya	Others	1,116,940	17,416,278,058	15,593

FISHERIES INDUSTRIES

There are 16 fisheries companies/business units, excluding other fisheries companies in Bitung area and surroundings beyond port area, including Manado area. About 66,7% industries majority were in processing activities and cold storage. The rise of industries were in fresh fish processing, fishing facilities supply, and block ice factory.

Table 6.5. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Berkat Jireh	Supplier of fuel	72
2	Berkat Jireh	Supplier of fuel	92
3	CV. Anugerah Fishtama	Processing, frozen, cold storage	602
4	CV. Wailan Pratama	Material of fishing gear	500
5	Jasa Wartel "Aladin"	Telecommunication	81
6	PT. Bali Vish	Processing, cold storage	750
7	PT. Cipta Buana Sulut	Block ice factory & processing of fresh/frozen fish	1,000
8	PT. Etmieco Sarana Laut	Processing unit/chilled/cold storage	999
9	PT. Getra Mina Usaha	Supplier of fuel/diesel fuel	927
10	PT. Golden Bridge International	Fish processing	4,000
11	PT. Kelana Jaya Abadi	Block ice factory & processing of fresh/frozen fish	1,000
12	PT. Lautan Bahari Sejahtera	Processing, fillet	2,289
13	PT. Mikaindo Abadi Cemerlang	Ice factory & processing plant	1,253
14	PT. Mikaindo Abadi Cemerlang	Office	140
15	PT. Phatemaang Raya	Fresh/frozen fish processing	1,000
16	PT. Sari Tuna Makmur	Processing/frozen/cold storage	1,000
TOTAL AREA			15,706

FISHING VESSELS

In 2006 the fishing vessel were dominate by 50-100 GT. The biggest eye is 200 GT and about 25% of the total fishing vessel were under 20 GT. 50-100 GT were most significant increasing of fishing vessel.

Table 6.6. Number of landing frequency by size of Fishing Vessel in Bitung OFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	2,700	768	-	340	-	-	-
2004	8,940	2,198	-	867	-	-	-
2005	12,285	533	206	106	86	25	-
2006	294	265	52	70	1,650	34	-
2007	98	97	60	145	45	75	897
2008	98	97	60	145	45	83	973

LOGISTICS

Eventhough all logistic were fulfilled, Bitung OFP has tendency increasing trend for supply demand like wise fishing vessel.

Table 6.7. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	5	5	-
Kerosene	3	3	-
Water	30	30	-
Ice	15	15	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Bitung fishing port are as follow :

Table 6.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	5,425	658,672,317

FIGURES

A. Main Facilities



Drainage



Pier



SPDN



Auction hall (TPI)



Bollard



Complex road

C. Supporting Facilities



Port gate



Shops

B. Functional Facilities



Hydrant



Administration office



Guest house



Musholla

D. Activities



Mooring activities



Boats in port pond



7

Sibolga

ARCHIPELAGIC FISHING PORT NORTH SULAWESI

GENERAL INFORMATION

- | | |
|-------------------------|--|
| a. Name | : SIBOLGA |
| b. Classification | : Archipelagic Fishing Port |
| c. Address | : Jl. Jenderal Gatot Subroto, Kel. Pondok Batu
Kec. Sarudik, Kab. Tapanuli Tengah
Sumatera Utara 22652 |
| d. Phone | : (0631) 22129, 329531 |
| e. Fax | : (0631) 22129 |
| f. E-mail | : ppn_sibolga@yahoo.com |
| g. Website | : www.pipp.dkp.go.id |
| h. Head of Fishing Port | : Henry M. Batubara, S.Pi, M.Si |

Layout of Sibolga AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Sibolga	10.77	93,207 (2007)	1.38 (2007)	1,445,640 (2006)	11.69 (2006)	Statistics - Indonesia 2008
North Sumatera	72,427.81	12,643,000 (2006)	1.38 (2006)	136,903,270 (2005)	15.92 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- | | | | |
|--------------------------------|---|--|---|
| 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 | : | <u>01° 43' 16" N Latitude</u>
98° 47' 23" E Longitude | |
| g. Distance Toward | | | |
| - Capital City of Province | : | 314 Km | |
| - Capital City of Regency/City | : | 3 Km | |
| - District | : | 10 Km | |
| - Airports | : | 25 Km | (Ferdinan Lumban Tobing Airport -
Pinang Sori) |
| | | 125 Km | (Silangit Siborong-borong Airport)) |
| | | 314 Km | (Polonia Airport - Medan) |
| - Other Ports | : | 5 Km | (Sibolga Port) |
| | | 344 Km | (Belawan Oceanic Fishing Port) |

FACILITIES

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 13.9 Ha. The facilities in this fishing port are as follow:

Table 7.1. Facilities in Sibolga Archipelagic Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	13.9	Ha
2	Port pond	1	Ha
3	Pier-1	1,730	m ²
4	Revetment/turap	382	m
5	Complex road	21,461	m ²
6	Concentrate sheet pile	700	m ²
7	Drainage	5,500	m
8	Mooring pontoon	180	m ²
9	Rubber fender	25	unit
10	Water depth	-3	m
B	FUNCTIONAL FACILITIES		
1	Administration office	440	m ²
2	Auction hall (TPI)	864	m ²
3	Electricity	83	KVA
4	Equipment storage	200	m ²
5	Fishermen meeting hall	150	m ²
6	Fuel supply building	150	m ²
7	Fuel tank	50	m ³

NO	FACILITIES	VOLUME	UNIT
8	Ice Factory	120	ton/day
9	Navigation sign	3	unit
10	Net storage	540	m ²
11	Parking area	4,500	m ²
12	Trays storage	200	m ²
13	Utility building	200	m ²
14	Water tank	150	m ³
15	Tower	1	unit
C	SUPPORTING FACILITIES		
1	Guest house	150	m ²
2	SSB Radio	1	unit
3	Staff house	390	m ²

OPERATIONAL DATA

The operation of Sibolga Archipelagic Fishing Port was fluctuating. The operational activities in Sibolga fishing port, such as number of fisherman, fishing gear and fishing activities, are as follow:

Table 7.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	615	-	9,264	22,726	8,263
2002	610	-	7,010	32,069	11,099
2003	615	-	8,093	44,340	14,831
2004	330	-	7,610	29,038	11,856
2005	257	-	3,481	20,694	9,994
2006	264	-	2,342	28,996	15,779
2007	615	-	4,078	31,048	8,024

Table 7.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	6,785	1,697	6,847,839	4,714
2002	8,587	1,403	5,950,045	3,897
2003	7,647	693	2,893,578	1,925
2004	3,683	832	4,659,497	2,311
2005	1,732	237	1,571,727	658
2006	5,138	633	3,245,633	1,735
2007	3,828	847	5,649,934	2,320

DOMINANT PRODUCT

Ikan Kambing is the most dominant fish in Sibolga AFP, followed by *Skipjack tuna*. *Common squids* were potential for high economic value and it is about five times from the lowest price of dominant fish; they were *Hairtails* and *Sleepmouths*.

Table 7.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Alu-alu	Great barracuda	6,711	67,110,000	10,000
2	Beloso	Greater lizard fish	19,879	79,516,000	4,000
3	Biji Nangka	Yellow-stripe goatfish	15,707	109,949,000	7,000
4	Cakalang	Skipjack tuna	219,710	1,757,680,000	8,000
5	Cumi-cumi	Common squids	47,719	1,192,975,000	25,000
6	Gulamah/Tigawaja	Croaker	6,391	38,346,000	6,000
7	Kambing-kambing	Goatfishes	605,122	7,866,586,000	13,000
8	Kapas-kapas	Fals trevally	7,387	73,870,000	10,000
9	Kembung	Short-body mackerel	20,600	247,200,000	12,000
10	Layur	Hairtails	10,862	54,310,000	5,000
11	Peperek	Pony fishes/ Sleepmouths	20,566	102,830,000	5,000
12	Tongkol como	Eastern little tuna	44,740	357,920,000	8,000

Table 7.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang lainnya	Other shrimps	110	7,150,000	65,000

Shrimps in Sibolga AFP were catagorized into high economic value and 0,11 ton per year could catch in there.

FISHERIES INDUSTRIES

Sibolga Fishing 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 7.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	KUD. Mina Seia Sekata	Fuel consumer pool	200
2	PT. Dharma Krida Satia	Fuel marketing	200
3	PT. Duta Tangkas Utama	Block ice industry	9,341
4	PT. Mina Kencana Indopermata	Cold storage	4,688
5	PT. Prima Nusantara	Block ice industry	8,300
6	PT. Toba Surimi Industries	Fish powder industry	30,000
TOTAL AREA			52,729

FISHING VESSELS

All boats that domicile and operate in Sibolga AFP are fishing vessels with various capacities. Sibolga AFP was dominated by <10 GT fishing vessel, followed by 20-30 GT. The number of small fishing vessel were increasing significantly in 2007 than couple years before.

Table 7.7. Number of landing frequency by size of Fishing Vessel in Sibolga AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 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	-	-
2007	1,222	4	2,471	113	18	-	-
2008	138	18	178	39	219	32	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Sibolga fishing port are as follow :

Table 7.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	2,080	117,000,000

FIGURES

A. Main Facilities



Pier



Port pond

B. Functional Facilities



Ice factory



Administration office

C. Supporting Facilities



SPDN



Auction hall (TPI)

D. Activities



Fish loading activities



Fish market



8

Tanjungpandan

ARCHIPELAGIC FISHING PORT

BANGKA BELITUNG

GENERAL INFORMATION

a. Name	: TANJUNGPANDAN
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Laks. RE. Martadinata, Tanjungpandan Belitung 33411
d. Phone	: (0719) 21070
e. Fax	: (0719) 24644
f. E-mail	: tanjungpandan_fishingport@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Suyadi, A.PI

Layout of Tanjungpandan AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Belitung	2,293.69	134,259 (2004)	-	1,747,657 (2006)	10.39 (2006)	Statistics - Indonesia 2008
Bangka Belitung	16,424.14	1,075,000 (2006)	3.00 (2006)	13,387,737 (2005)	20.82 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- 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 : 02° 44' 58" S Latitude
 107° 37' 52" E Longitude
 g. Distance Toward
 - Capital City of Province : 334 Km
 - Capital City of Regency/City : 3 Km
 - District : 2 Km
 - Airports : 15 Km (Hanandjuddin Airport - Belitung)
 330 Km (Depati Amir Airport - Bangka)
 - Other Ports : 1 Km (Pelindo - Tanjungpandan)
 25 Km (Pelindo - Pegantungan)

FACILITIES

Archipelagic fishing port of Tanjungpandan is one of the particular fishing ports in Bangka Belitung Provinces. This port is located in Belitung Island facing Malacca Strait, with an area more than 54 Ha. The facilities in this fishing port are as follow:

Table 8.1. Facilities in Tanjungpandan Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	54,33	Ha
2	Port pond	33	Ha
3	Pier-1	1,893	m ²
4	Revetment/turap	1,041	m
5	Complex road	8,409	m ²
6	Entrance route	400	m
7	Water depth	-2	m
B	FUNCTIONAL FACILITIES		
1	Administration office	588	m ²
2	Auction hall (TPI)	300	m ²
3	Cold storage	1	ton
4	Electrical relay station	30	m ²
5	Electricity	66	KVA
6	Fisherman meeting hall	260	m ²
7	Fuel supply building	50	m ²
8	Fuel tank	100	m ³
9	Ice factory	288	ton/day
10	Packing building	450	m ²
11	Parking area	1,650	m ²

NO	FACILITIES	VOLUME	UNIT
12	Repair station	125	m ²
13	Reservoir basin	320	m ³
14	Slipway	2	unit
15	Toilet	36	m ²
16	Water pump	3	unit
17	Water tower and installation	2	unit
18	Water treatment	1	unit
19	Winch house	20	m ²
C	SUPPORTING FACILITIES		
1	Education and technology Kiosk	45	m ²
2	Fisherman shelter	100	m ³
3	House for Port Officer	5	unit

OPERATIONAL DATA

The average distribution of supplies from 2001 - 2007 are 5.550 ton for fuel, 18.250 ton for ice and 12.300 ton for water. There is increasing trend for ice supply and slight fluctuate for water from 2001 to 2007.

Table 8.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	-	-	2,447	5,200	14,485
2002	1,029	345	5,286	6,479	14,267
2003	2,460	529	4,267	17,396	16,619
2004	2,460	529	4,705	23,124	20,812
2005	2,460	529	7,235	28,356	15,272
2006	2,460	529	6,883	33,839	9,582
2007	2,460	529	6,060	33,251	13,907

Table 8.3. Fishing Activities, Fish Production and Price, Year 2001- 2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	6,065	4,325	16,258,149	11,849
2002	5,801	4,797	36,739,228	13,143
2003	4,753	5,050	44,809,479	13,837
2004	5,612	13,529	158,377,279	36,964
2005	9,398	11,111	162,902,334	30,441
2006	33,996	8,942	149,697,061	24,499
2007	45,663	7,532	136,550,810	20,635

Boat visit shown increasing significant number from 2003 to 2007, but the production and value performed a close parabolic trendline. Eventhough, the production per day still better than year 2001 to 2003.

DOMINANT PRODUCT

Common squids was the most dominant species in Tanjungpandan AFP and the range was the third of top rise among ten dominant fish in year 2007. The highest economic value reached by *Red snappers*. Until now, almost all ten dominant fish are potential high economic value except *Sardinella*.

Table 8.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Banyar	Indian mackerel	273,287	4,162,176,000	15,230
2	Cumi-cumi	Common squids	406,818	7,976,366,000	19,607
3	Ekor kuning	Redbelly yellowtail fusilier	162,485	2,480,824,000	15,268
4	Kakap merah	Red snapper	311,407	7,233,498,000	23,228
5	Kembung	Short-body mackerel	271,268	4,150,231,000	15,299
6	Kurisi	Ornate treadfin bream	220,404	3,337,042,000	15,141
7	Kuwe	Jack trevallies	189,828	3,780,475,000	19,915
8	Selar	Trevallies	219,566	2,991,948,000	13,627
9	Tembang	Fringescale sardinella/ Goldstripe sardinella	156,428	540,187,000	3,453
10	Tenggiri	Narrow-barred spanish mackerel	290,849	6,429,119,000	22,105

FISHERIES INDUSTRIES

Tanjungpandan Fishing Port has potential area industry. Although it's not a big area but there is existing about 24 fisheries companies/business units. Its number excluding the other fisheries companies in Belitung and surroundings beyond port area. Majority of fisheries companies in Tanjungpandan AFP invests in cold storage and fish processing.

Table 8.5. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Bengkel Samudera Diesel	Repair station	150
2	CV Central Jaya Mandiri	Cold storage	1,600
3	CV. Alam Prima	Ice factory	1,800
4	CV. Laut Jaya	Cold storage	2,000
5	CV. Mawar	Ice storage	180

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
6	CV. Surya Agung Lestari	Cold storage	2,500
7	KPRI Korpelikan	BAP shop, fish storage, canteen	2,378
8	KUD Nelayan Sejahtera	Fish auction	300
9	PO. Ali Johan	Fish collector	2,000
10	PO. Aripin Wijaya	Fish storage/fish processing	1,800
11	PO. H. Motong Dg. Makelo	Fish storage	1,000
12	PO. H. Teppo K.	Supplier of fuel	48
13	PO. Marno Susanto	Fish collector/cold storage	800
14	PO. Mustar Muhamad	Fish storage	800
15	PO. Saimin	BAP shop	60
16	PO. Sugito	Fish processing	700
17	PO. Tjun Lian	BAP shop	120
18	PT. Hatika Patra Persada	Supplier of fuel	84
19	PT. Nelayan Mitra Mandiri	Fish collector	850
20	PT. Parit Mujur Sejahtera	Ice factory	1,000
21	PT. Pelayaran Rakyat Bunga Pantai	Fisherman Inn & restaurant	572
22	PT. Serikat Sindo Makmur	Fish collector	2,400
23	PT. Surya Sepakat Pulau Bangka	Fish storage/cold storage	1,000
24	PT. Surya Sumber Sentosa Inti	Supplier of fuel	1,135
TOTAL AREA			25,277

FISHING VESSELS

All boats that domicile and operate in Tanjungpandan fishing port are fishing vessels with various capacities, dominated by <10 GT. The biggest fishing vessel that ever landed in Tanjungpandan AFP was about 30-50 GT.

Table 8.6. Number of domicile by size of Fishing Vessel in Tanjungpandan AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	329	-	-	16	-	-	-
2004	509	2	17	1	-	-	-
2005	509	2	17	1	-	-	-
2006	509	2	17	1	-	-	-
2007	509	2	17	1	-	-	-
2008	303	9	7	4	-	-	-

LOGISTICS

Fuel is one of variable that most considered as important logistic supply. The price could be one of reasons in fulfilling the demand.

Table 8.7. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	46	17	29
Kerosene	1	1	-
Water	26	26	-
Ice	81	81	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Tanjungpandan fishing port are as follow :

Table 8.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	4,336	617,444,000

FIGURES

A. Main Facilities



Bollard



Pier



Port pond



Administration office

B. Functional Facilities



Workshop



Auction hall (TPI)



Ice factory

C. Supporting Facilities



Motorcycle



Fisherman meeting building



CCTV Tower



9

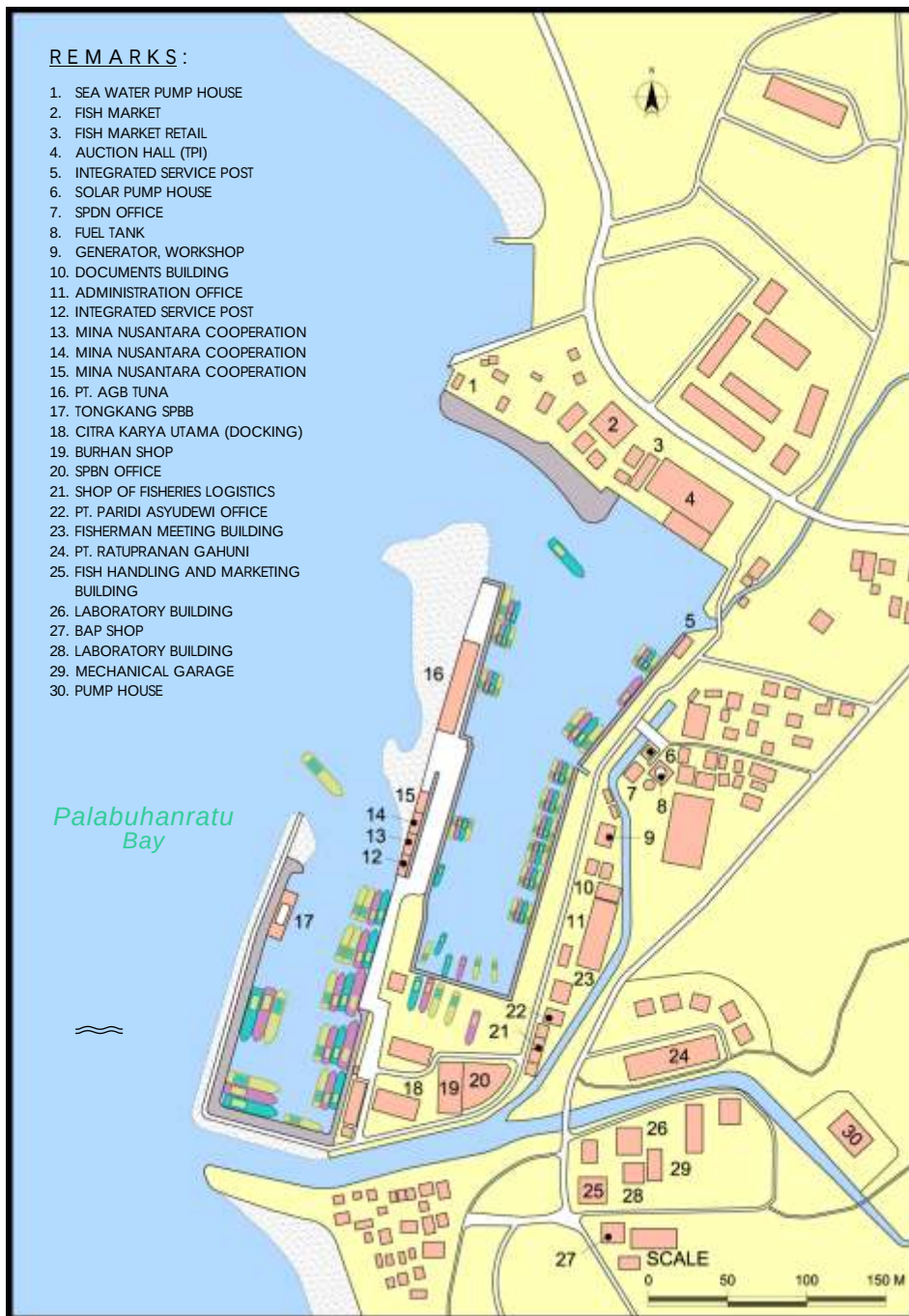
Palabuhanratu

ARCHIPELAGIC FISHING PORT WEST JAVA

GENERAL INFORMATION

a. Name	: PALABUHANRATU
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Siliwangi PO. BOX 22 Palabuhanratu Kab. Sukabumi - Jawa Barat 43364
d. Phone	: (0266) 431307, 431345
e. Fax	: (0266) 431355
f. E-mail	: ppnratu@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. Arif Rahman Lamatta, MM

Layout of Palabuhanratu AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Sukabumi	48.00	300,694 (2007)	2.05 (2007)	13,163,816 (2006)	16.55 (2006)	Statistics - Indonesia 2008
West Java	36,925.05	39,649,000 (2006)	1.75 (2006)	387,353,143 (2005)	28.68 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- a. River/Bay/Beach : Bay of Palabuhanratu
 b. Province : West Java
 c. Regency/City : Sukabumi
 d. District : Palabuhanratu
 e. Village/Sub-District : Palabuhanratu
 f. Geographic Position : 06° 59' 18" S Latitude
 106° 32' 34" E Longitude
 g. Distance Toward
 - Capital City of Province : 145 Km
 - Capital City of Regency/City : 68 Km
 - District : 0 Km
 - Airports : 140 Km (Husein Sastranegara Airport - Bandung)
 260 Km (Soekarno-Hatta Airport - Jakarta)
 - Other Ports : 170 Km (Nizam Zachman - Jakarta)
 270 Km (Kejawanan Archipelagic Fishing Port - Cirebon)
 400 Km (Cilacap Oceanic Fishing Port)

FACILITIES

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

Table 9.1. Facilities in Palabuhanratu Archipelagic Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port pond	3	Ha
2	Pier-1	500	m
3	Pier-2	93	m
4	Pier-3	106	m
5	Breakwater	419	m
6	Anchor wharf	310	m
7	Entrance route	294	m
8	Water depth	-5	m
B	FUNCTIONAL FACILITIES		
1	Administration office	528	m ²
2	Auction hall (TPI)	920	m ²
3	Dump truck	1	unit
4	Electricity	83	KVA
5	Fish market	360	m ²

NO	FACILITIES	VOLUME	UNIT
6	Fisherman meeting hall	150	m ²
7	Forklift	2	unit
8	Fuel installation	495	m ²
9	Fuel tank	2	unit
10	Genset	95	KVA
11	Navigation sign	2	unit
12	Pump house	27	m ²
13	Slipway	2	unit
14	Truck folder crane	2	unit
15	Water pump	4	unit
16	Water tank	400	m ³
C	SUPPORTING FACILITIES		
1	2 Wheel vehicles	10	unit
2	4 Wheel vehicles	3	unit
3	Employer house	6	unit
4	Guest house	1	unit
5	House for Port Officer	1	unit
6	Industrial area	6,018	m ²
7	Mosque	1	unit
8	Operator guest house	1	unit
9	Quality control laboratory	117	m ²
10	SSB Radio	1	unit
11	Fish market	360	m ²

OPERATIONAL DATA

From 2001-2006 almost the number of fisherman, fishing gear and water supply has similarly characteristics that they perform linier increasing trend. Ice indicates fluctuating trend and fuel perform a closed parabolic trend.

Table 9.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	2,377	674	1,729	574	380
2002	2,519	577	5,627	13,885	1,480
2003	3,340	609	5,941	10,980	1,591
2004	3,439	693	11,271	14,274	4,749
2005	3,498	733	7,117	5,623	6,035
2006	4,363	846	7,594	9,843	1,675
2007	4,111	778	1,183	4,039	777

Boat visit got smooth fluctuating in 2001-2006, thus for the production. Year 2006 is the best value for Palabuhanratu AFP.

Table 9.3. Fishing Activities, Fish Production and Price, Year 2001-2006

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	24,836	1,767	4,793,208	4,908
2002	29,802	2,890	9,885,365	8,028
2003	16,776	4,105	15,273,293	11,404
2004	15,595	3,368	15,670,741	9,354
2005	16,510	6,601	32,153,935	18,335
2006	23,796	5,462	32,550,913	15,171
2007	-	-	-	-

DOMINANT PRODUCT

The most dominant fish in Palabuhanratu was *Bigeye tuna* but *Albacore* got the highest price. The range for dominant fish price was between 2,000 to 10,000 rupiahs or about 8,000 rupiahs dispute.

Table 9.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Cakalang	Skipjack tuna	742,047	4,722,813,150	6,365
2	Cucut	Spotted shark	56,249	513,783,050	9,134
3	Layur	Hairtails	246,691	1,700,139,900	6,892
4	Peperek	Pony fishes/ Sleepmouth	307,164	625,342,000	2,036
5	Tembang	Fringescale sardinella/ Goldstripe sardinella	866,316	1,726,571,000	1,993
6	Tongkol/Lisong	Bullet tuna	787,451	3,994,889,500	5,073
7	Tongkol abu-abu	Longtail tuna	210,760	1,189,026,000	5,642
8	Tuna Albakora	Albacore	59,258	592,580,000	10,000
9	Madidihang	Yellowfin tuna	683,271	6,897,710,700	10,095
10	Tuna mata besar	Bigeye tuna	1,289,866	12,848,811,900	9,961

Table 9.5. Shrimp Data, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Lobster	Lobster	2,103	72,625,000	34,534
2	Udang putih	Banana prawn	528	21,632,000	40,970
3	Udang lainnya	Other shrimps	87,758	227,211,650	2,589

Banana prawn still more expensive than *Lobster* in Palabuhanratu AFP. The volume of catches affected the value of *Banana prawn*. Range for shrimp's price was about 35,000 rupiahs.

FISHERIES INDUSTRIES

Palabuhanratu Port has the potential area for industry. Although it's not a big area but there is existing 23 fisheries companies/business units. That number is excluding the other fisheries companies along south coast of the province around port area.

Table 9.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Bangunan CV. Permata Mina Pratama	Building	50
2	Burhan	Repair station, spare part shop & cold - storage	600
3	CV. Eko Mulyo kapasitas 200 m ³	Freshwater reservoir	54
4	CV. Permata Mina Pratama	Fish handling	200
5	Kopkar "Mina Nusantara" PPN Palabuhanratu	-	20
6	Kopkar "Mina Nusantara" PPN Palabuhanratu	-	100
7	Kopkar "Mina Nusantara" PPN Palabuhanratu	BAP shop	120
8	Kopkar "Mina Nusantara" PPN Palabuhanratu	Cold storage	300
9	Kopkar "Mina Nusantara" PPN Palabuhanratu	Logistic shop	1,665
10	Kopkar "Mina Nusantara" PPN Palabuhanratu	Public toilet	24
11	Kopkar "Mina Nusantara" PPN Palabuhanratu	Utilization of building	21
12	Kopkar "Mina Nusantara" PPN Palabuhanratu	Utilization of building	75
13	Kopkar "Mina Nusantara" PPN Palabuhanratu	Utilization of semi-permanent building	42
14	Kopkar "Mina Nusantara" PPN Palabuhanratu	Utilization of semi-permanent building	200
15	Kopkar "Mina Nusantara" PPN Palabuhanratu (Agung)	-	140
16	Kopkar "Mina Nusantara" PPN Palabuhanratu (Bahari Teknik)	-	62
17	KUD Mina Mandiri "Sinar Laut" (Tank capacity: 320 m ³)	Supplier of fuel	75
18	PT. AGB Tuna	Cold storage	900
19	PT. Citra Karya Utama	Docking	3,300
20	PT. Mekar Tunas Rayasejati	Fisheries industry and fuel tank	500
21	PT. Ratu Prima Bahari Nusantara	Ice factory, cold storage	4,200
22	PT. Sari Segara Utama	Fisheries industry	468
23	Tanki BBM 208 m ³	-	104
TOTAL AREA			13,220

FISHING VESSELS

Palabuhanratu AFP was dominated by <10 GT fishing vessels, followed by 20 -50 GT. The biggest size of fishing vessel that ever landing in Palabuhanratu AFP was about 5 - 8 fishing vessel in 50 - 100 GT capacity.

Table 9.7. Number of domicile by size of Fishing Vessel in Palabuhanratu AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	142	7	7	11	1	-	-
2002	106	3	13	8	5	-	-
2003	106	3	8	11	8	-	-
2004	111	4	10	132	7	-	-
2005	143	9	28	61	7	-	-
2006	153	4	53	77	-	-	-
2007	120	10	9	52	-	-	-
2008	111	1	6	27	-	-	-

LOGISTICS

Fuel and ice were important logistics supply in fisheries activities. Specification only for the fisheries use would much help to fulfill the demand or by conducive fuel and ice.

Table 9.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	27	15	12
Kerosene	5	4	1
Water	14	7	7
Ice	24	15	9

ECONOMIC CYCLE

The average number of worker and average circulation money in Palabuhanratu fishing port are as follow :

Table 9.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	13,872	2,300,000,000

FIGURES

A. Main Facilities



Port pond



Breakwater



Complex road



Pier

B. Functional Facilities



Auction hall (TPI)



SPDN



Administration office

C. Supporting Facilities



Guest house



Port gate



Fish market



Mosque

D. Activities



Port cleaning activities



10

Kejawanan

Archipelagic FISHING PORT WEST JAVA

GENERAL INFORMATION

a. Name	: KEJAWANAN
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Pelabuhan Perikanan No.1 - Cirebon Jawa Barat 45113
d. Phone	: (0231) 210084
e. Fax	: (0231) 231383
f. E-mail	: ppn_kejawanan@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. Jainur Manurung, MM

Layout of Kejawanan AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Cirebon	990.36	290,805 (2006)	6.99 (2006)	11,289,660 (2006)	15.67 (2006)	Statistics - Indonesia 2008
West Java	36,925.05	39,649,000 (2006)	1.75 (2006)	387,353,143 (2005)	28.68 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- a. River/Bay/Beach : Estuari
- b. Province : West Java
- c. Regency/City : Cirebon City
- d. District : Lemah Wungkuk
- e. Village/Sub-District : Pegambiran
- f. Geographic Position : 06° 44' 89" S Latitude
108° 35' 05" E Longitude
- g. Distance Toward
- Capital City of Province : 130 Km
 - Capital City of Regency/City : 5 Km
 - District : 1 Km
 - Airports : 11 Km (Penggung Airport)
 - 150 Km (Husein Sastranegara Airport - Bandung)
 - Other Port : 4 Km (Muara Jati Port)

FACILITIES

Kejawanan Fishing Port is the particular archipelagic 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 10.1. Facilities in Kejawanan Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	19	Ha
2	Port pond	6	Ha
3	Pier-1	195	m
4	Pier-2	2,925	m
5	Complex road	9,645	m ²
6	Breakwater	2,353	m
7	Drainage	3,789	m
8	Entrance route	2,080	m ²
9	Retaining wall	1,600	m
10	Shipping routes	880	m
11	Water depth	-3	m
B	FUNCTIONAL FACILITIES		
1	Administration office	300	m ²
2	Arthesis/drill well	1	unit
3	Auction hall (TPI)	940	m ²
4	Controlling and environmental sanitation	1	unit
5	Electrical beyond building	1	unit
6	Electricity	36	KVA
7	Fish market	64	m ²

NO	FACILITIES	VOLUME	UNIT
8	Fisheries supervision post	30	m ²
9	Fishermen meeting hall	360	m ²
10	Genset house	36	m ²
11	Ice storage	1	unit
12	Navigation sign	1	unit
13	Pump house	36	m ²
14	Road-complex	9,645	m ²
15	Road-entrance	2,080	m ²
16	Water tank	200	m ³
C	SUPPORTING FACILITIES		
1	BAP shops	160	m ²
2	House for Port Officer	1	unit
3	Mosque	100	m ²

OPERATIONAL DATA

The operational activities in Kejawanan Fishing Port, such as the numbers of fisherman, fishing gears and fishing activities, are shown in the following table:

Table 10.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	2,012	181	3,615	10,073	6,926
2002	1,694	121	3,450	9,644	7,602
2003	1,285	107	3,309	8,991	3,547
2004	1,171	105	2,949	7,836	6,762
2005	780	113	2,779	6,015	5,975
2006	671	61	1,791	4,060	6,980
2007	770	70	1,354	3,000	9,631

Table 10.3. Fishing Activities, Fish Production and Price, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	1,060	2,440	4,129,785	6,778
2002	990	3,291	5,407,738	9,142
2003	812	3,070	5,381,083	8,528
2004	599	3,103	9,359,372	8,619
2005	492	2,912	9,764,665	8,089
2006	405	2,999	10,791,423	8,333
2007	346	3,325	17,325,361	9,236

The most effective production is in year 2007, it shown two number of boat visit and product per day.

DOMINANT PRODUCT

Rays fish is the most dominant species in Kejawanan AFP, followed by squids. Groupers is the highest economic value followed by red snappers.

Table 10.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Biji Nangka	Yellow-stripe goatfish	225	1,080,000	4,800
2	Cucut	Shark	201,854	302,781,000	1,500
3	Cumi-cumi	Common squids	491,529	1,425,434,100	2,900
4	Ekor kuning	Redbelly yellowtail fusilier	4,248	16,992,000	4,000
5	Budun	-	3,088	5,249,600	1,700
6	Kaci	Giant sea perch	35,997	136,788,600	3,800
7	Kakap merah	Red snapper	205,596	1,315,814,400	6,400
8	Kambing-kambing	Goat fishes	64,450	103,120,000	1,600
9	Kembung	Short-body mackerel	13,234	6,617,000	500
10	Kerapu	Groupers	89,056	667,920,000	7,500
11	Kurisi	Ornate threadfin bream	11,422	43,403,600	3,800
12	Kuwe	Jack trevallies	4,364	17,456,000	4,000
13	Layur	Hairtails	755	377,500	500
14	Manyung	Giant catfish	7,145	10,717,500	1,500
15	Pari	Sting ray	637,531	446,271,700	700
16	Selar	Trevallies	5,459	8,188,500	1,500
17	Semadar	Foxface	6,799	16,317,600	2,400
18	Tembang	Fringe scale sardinella/ goldstripe sardinella	6,023	3,011,500	500
19	Tenggiri	Narrow-barred spanish mackerel	46,172	138,516,000	3,000
20	Tongkol/Lisong	Bullet tuna	2,670	2,670,000	1,000
21	Ikan lainnya	Others	251,867	226,680,300	900

FISHERIES INDUSTRIES

Kejawanan Fishing Port has a big adequate potential area industry. There are 13 fisheries companies/business units in this area, excluding other fisheries companies along north coast of Cirebon city and its surrounding beyond port area.

Table 10.5. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	-	Ice factory (not active)	3,500
2	CV. Eka Jaya Sentosa	Cold storage	2,038
3	Ema Sulaiman	Fish processing	629

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
4	PD Horison	Fish processing	1,892
5	PD Sambu	Fish processing	4,072
6	PT. Biotech Surindo	Cytosine	4,000
7	PT. Evadarta Ciremai	SPBU (fuel center)	1,052
8	PT. Pan Putra Samudera	Small crab processing	2,900
9	Susi Tien	Sea food restaurant	1,000
10	Teng Hock	Shop	1,400
11	Tuty Hartini	Mini cold storage	150
12	UD Barokah	Salted fish processing	1,675
13	UD. Cerindo	Fish processing	1,200
TOTAL AREA			25,508

FISHING VESSELS

Kejawanan AFP is dominated by 20-30 GT fishing vessel or medium to big fishing vessel. 200 GT was the biggest fishing vessel that ever landing in Kejawanan AFP.

Table 10.6. Number of domicile by size of Fishing Vessel in Kejawanan AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	-	-	-	-	-	-	-
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	-
2007	-	14	224	54	40	14	-
2008	2	2	35	9	9	1	-

LOGISTICS

Until now, the supply for logistic still can be fulfilled in Kejawanan AFP.

Table 10.7. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	5	5	-
Kerosene	-	-	-
Water	20	20	-
Ice	11	11	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Kejawanan fishing port are as follow :

Table 10.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	1,597	106,990,179

FIGURES

A. Main Facilities



Complex road



Port pond



Pier

B. Functional Facilities



Auction hall (TPI)



Ice factory



11

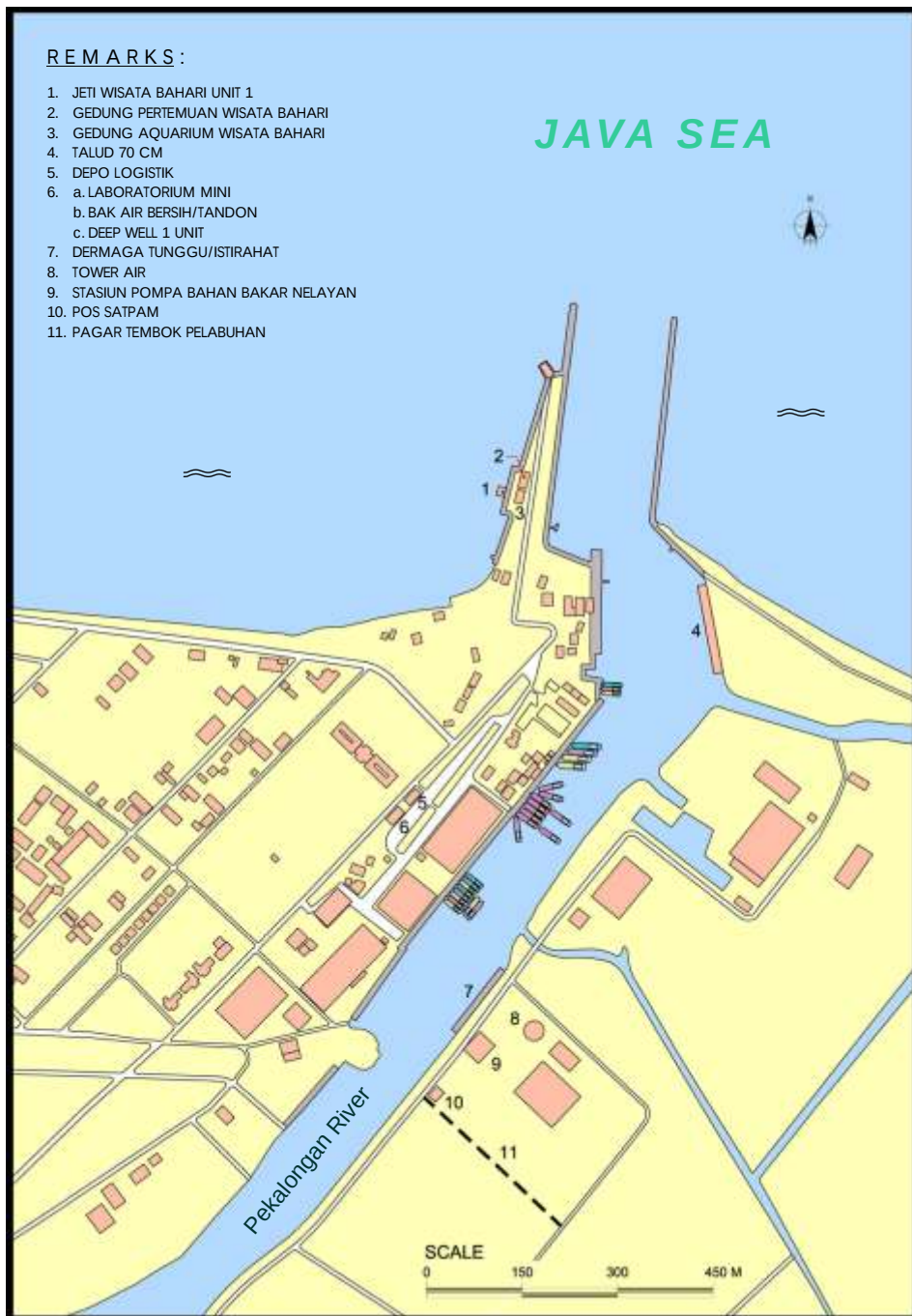
Pekalongan

archipelagic FISHING PORT
CENTRAL JAVA

GENERAL INFORMATION

- a. Name : PEKALONGAN
- b. Classification : Archipelagic Fishing Port
- c. Address : Jl. WR. Supratman No.1
Pekalongan 51114
- d. Phone : (0285) 424500, 435013
- e. Fax : (0285) 424740
- f. E-mail : ppnpekalongan@gmail.com
- g. Website : www.pipp.dkp.go.id
- h. Head of Fishing Port : Dedi Sutisna, A.Pi

Layout of Pekalongan AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Pekalongan City	44.96	273,342 (2007)	1.81 (2007)	4,568,471 (2006)	14.50 (2006)	Statistics - Indonesia 2008
Central Java	32,799.71	32,179,000 (2006)	0.50 (2006)	234,435,323 (2005)	21.20 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

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	: <u>06° 51' 40" S Latitude</u> 109° 41' 35" E Longitude
g. Distance Toward	
- Capital City of Province	: 105 Km
- Capital City of Regency/City	: 6 Km
- District	: 2 Km
- Airport	: 100 Km (Ahmad Yani Airport - Semarang)
- Other Ports	: 60 Km (Pelindo - Tegal)
	: 100 Km (Pelindo Tanjung Emas - Semarang)
	: 140 Km (Cilacap Oceanic Fishing Port)

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

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Pier-1	345	m
2	Pier-2	220	m
3	Complex road	2,500	m
4	Drainage	100	m
5	Retaining wall	595	m
6	Shipping routes	1,200	m
7	Water depth	-2.2	m
B	FUNCTIONAL FACILITIES		
1	Administration office	361	m ²
2	Auction hall (TPI)	5,670	m ²
3	Equipment storage	180	m ²
4	Fish market	135	m ²
5	Fish storage & shelter	243	m ²
6	Fisherman meeting hall	214	m ²
7	Fuel supply building	343	m ²
8	Genset house	1	unit
9	Integrated checking post	132	m ²
10	Navigation sign	3	unit
11	Net storage	300	m ²
12	Parking area	345	m ²

NO	FACILITIES	VOLUME	UNIT
13	Port Officer office	375	m ²
14	Repair station	120	m ²
15	Slipway	2,000	m ²
16	UPL	2	unit
17	Water tower and installation	2	unit
C	SUPPORTING FACILITIES		
1	Aquarium building	300	m ²
2	BAP shops	120	m ²
3	Fisherman shelter	131	m ²
4	Information room	48	m ²
5	Maritime tourism building	300	m ²
6	Official house	60	m ²
7	Operator housing	86	m ²

Since 2001 to 2007 there is inverse trend line between fisherman and fishing gear. Fluctuated trend happen to fuel, linier decline trend formed from ice and water.

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	20,000	696	29,015	113,730	33,070
2002	18,255	735	22,931	95,585	26,885
2003	19,005	751	26,937	88,976	25,389
2004	19,235	725	30,401	91,197	24,843
2005	14,120	568	25,220	74,545	19,946
2006	10,400	444	14,452	34,758	10,890
2007	23,875	425	9,820	27,180	8,213
2008	15,825	271	10,796	21,153	6,420

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
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	6,490	32,099	151,235,697	89
2007	5,563	29,285	131,742,543	81
2008	4,995	23,109	146,336,901	64

The most effective production happened at 2006. Its showing by number of boats visits and production per day. But the best value captured was in year 2008. It's shown from product and value.

DOMINANT PRODUCT

Table 11.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Banyar	Indian mackerel	1,790,291	16,374,291,000	9,146
2	Bawal hitam	Black pomfret	456,350	5,458,247,000	11,960
3	Cumi-cumi	Common squids	117,149	1,290,800,000	11,018
4	Jui	Rainbow sardines	2,440,422	4,425,281,000	1,813
5	Layang	Slander scad	11,904,934	46,071,173,000	3,869
6	Lemuru	Bali sardinella	3,114,393	10,520,207,000	3,377
7	Selar	Trevallies	2,201,611	13,243,664,000	6,011
8	Tenggiri	Narrow-barred Spanish mackerel	240,052	3,582,465,000	14,923
9	Tetengkek	Torpedo scad	211,704	606,665,000	2,865
10	Tongkol/Lisong	Bullet tuna	3,326,054	21,006,566,000	6,315

Slander scad was the dominant fish in Pekalongan AFP, but *Spanish mackerel* reached the highest economic value. The lowest dominant price was *Rainbow sardines*.

FISHERIES INDUSTRIES

Pekalongan Fishing 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's excluding other fisheries companies along north coast of Java around Pekalongan City beyond port area.

Table 11.5. Fisheries Companies in Pekalongan Archipelagic Fishing Port, Year 2008

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	KSO SPBN Jasa Mina	SPBN (fuel center)	3,500
2	PT. Humitekindo Utama	Seaweed powder	5,000
3	PT. Samudra Dokindo Prima	Dock & dockyard	22,500
TOTAL AREA			31,000

FISHING VESSELS

Pekalongan AFP is dominated by 50 -100 GT fishing vessel. The biggest fishing vessel have size 100-200 GT.

Table 11.6. Number of domicile by size of Fishing Vessel in Pekalongan AFP, Year 2001-2008

YEAR	FISHING VESSELS (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	38	137	14	175	80	-
2007	-	180	20	161	64	-
2008	-	93	12	123	43	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 11.7. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	4,639	4,639	-
Kerosene	117	117	-
Water	2,664	2,664	-
Ice	10,221	10,221	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Pekalongan fishing port are as follow :

Table 11.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	1,400	1,579,350,279

FIGURES

A. Main Facilities



Bollard



Complex road



Workshop



Administration office



Pier



Breakwater

C. Supporting Facilities



Shelter



Fisherman meeting building

B. Functional Facilities



Fish market



Auction hall (TPI)



Shops



Fence

D. Activities



Mooring activities



12

Brondong

Archipelagic FISHING PORT EAST JAVA

GENERAL INFORMATION

a. Name	: BRONDONG
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Raya Brondong No. 17, Brondong - Lamongan Jawa Timur 62263
d. Phone	: (0322) 663105
e. Fax	: (0322) 663105
f. E-mail	: ppnbrondong@dkp.go.id
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Tharmizi Asri RS, A.Pi, M.Si

Layout of Brondong AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Lamongan	1,812.80	1,393,131 (2005)	12.79 (2005)	6,613,518 (2006)	15.55 (2006)	Statistics - Indonesia 2008
East Java	46,689.64	36,592,000 (2006)	0.86 (2006)	403,392,351 (2005)	18.27 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- | | |
|--------------------------------|--|
| a. River/Bay/Beach | : Beach |
| b. Province | : East Java |
| c. Regency/City | : Lamongan |
| d. District | : Brondong |
| e. Village/Sub-District | : Brondong |
| f. Geographic Position | : <u>06° 52' 43" S Latitude</u>
<u>112° 16' 08" E Longitude</u> |
| g. Distance Toward | |
| - Capital City of Province | : 70 Km |
| - Capital City of Regency/City | : 40 Km |
| - District | : 1 Km |
| - Airport | : 80 Km (Juanda Airport - Surabaya) |
| - Other Ports | : 3 Km (Sedayulawas Port) |
| | 60 Km (Gresik Port) |
| | 70 Km (Tanjung Perak Port - Surabaya) |

FACILITIES

Fishing port of Brondong is one of the particular archipelagic fishing ports in Java Island. This port is located in north coast of East Java Province, facing Java Sea with total area 5.7 Ha. Facilities in this fishing port are as follow:

Table 12.1. Facilities in Brondong Archipelagic Fishing Port, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	PRIMARY FACILITIES		
1	Port area	5.7	Ha
2	Port pond	23.4	Ha
3	Pier-1	100	m ²
4	Pier-2	161	m ²
5	Revetment/turap	2,139	m ²
6	Complex road	637	m
7	Breakwater	195	m
8	Water depth	-1	m
B	FUNCTIONAL FACILITIES		
1	Administration office	348	m ²
2	Auction hall (TPI)	1,080	m ²
3	Electricity	345	KVA
4	Equipment storage	20	m ²
5	Excavator & pontoon	1	unit
6	Fish processing room	300	m ²
7	Fish sorting room	120	m ²
8	Fisherman meeting hall	125	m ²
9	Fuel supply building	36	m ²

NO	FACILITIES	VOLUME	UNIT
10	Fuel tank	1	unit
11	Furnigation room	60	m ²
12	Genset	3	unit
13	Navigation sign	4	unit
14	Packing building	100	m ²
15	Parking area	312	m ²
16	Port Officer office	348	m ²
17	Reefer container	1	unit
18	Repair station	120	m ²
19	Trays storage	100	m ²
20	Wasdi hall	48	m ²
21	Water tank	220	m ²
22	Water tower and installation	1	unit
C	SUPPORTING FACILITIES		
1	Fisherman shelter	100	m ²
2	Guest house	70	m ²
3	House for Port Officer	120	unit
4	Official house	200	m ²
5	Operator housing	150	m ²

OPERATIONAL DATA

Since 2001 to 2007 the number of fisherman and fishing gear were significant increasing. Ice and water shows linear increasing trend except the fuel. Some reason could affect the number of fuel, such as government policy on fuel price and amount for industry class.

Table 12.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2008

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	11,803	1,495	-	5,277	9,426
2002	11,850	1,495	-	28,339	10,795
2003	11,984	1,495	4,492	38,948	10,782
2004	12,160	1,495	8,536	37,634	13,829
2005	12,783	1,495	8,456	24,740	17,367
2006	14,101	1,525	4,690	46,433	19,988
2007	14,101	1,525	1,293	54,032	24,744
2008	13,776	1,528	1,256	56,601	22,638

The most effective production occurred in 2008 and also the value increasing since 2001 to 2008.

Table 12.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	37,034	23,352	33,900,386	63,978
2002	15,133	23,107	30,173,912	63,306
2003	14,557	30,288	107,165,722	82,980
2004	18,195	45,947	209,729,756	125,882
2005	24,245	39,295	229,885,367	107,660
2006	21,056	46,569	306,464,220	127,586
2007	24,379	60,769	421,183,449	166,490
2008	22,327	52,249	442,323,513	143,148

DOMINANT PRODUCT

Sulphure goatfish was the most dominant fish and the highest value belongs to *Red snappers*. *Common squid* and *Giant catfish* have medium price after *Red snappers*.

Table 12.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Beloso	Greater lizardfish	2,287,880	10,845,896,500	4,750
2	Cumi-cumi	Common squid	1,612,245	29,548,153,500	18,300
3	Kakap merah	Red snappers	1,037,953	32,650,206,700	31,450
4	Kapas-kapas	Fals trevally	6,055,046	28,850,646,500	4,750
5	Kuniran	Sulphur goatfish	12,555,101	108,012,846,825	8,600
6	Layang	Slander scad	4,967,046	42,249,189,600	8,500
7	Lemuru	Bali sardinella	1,005,724	3,270,350,900	3,250
8	Manyung	Giant catfish	3,174,057	32,995,705,800	10,400
9	Pari	Sting ray	1,754,088	11,709,397,100	6,700
10	Swanggi	Purple-spotted	7,378,322	51,673,476,050	7,000

FISHERIES INDUSTRIES

Brondong Fishing 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 12.5. Fisheries Companies in Brondong Archipelagic Fishing Port, Year 2008

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	KPRI Nusantara Jaya	BAP Kios	1,000
TOTAL AREA			1,000

Brondong AFP is dominated by 10 - 20 GT fishing vessel. The increasing trend obviously shows in the number of <10 GT and 20 - 30 GT.

Table 12.6. Number of landing frequency by size of Fishing Vessel in Brondong AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	327	930	86	-	-	-	-
2002	327	949	86	-	-	-	-
2003	311	1,128	56	-	-	-	-
2004	403	934	48	-	-	-	-
2005	224	934	48	-	-	-	-
2006	299	1,170	56	-	-	-	-
2007	299	1,170	56	-	-	-	-
2008	363	1,103	62	-	-	-	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 12.7. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	43	15	27
Kerosene	-	-	-
Water	80	80	-
Ice	100	68	32

ECONOMIC CYCLE

The average number of worker and average circulation money in Brondong fishing port are as follow :

Table 12.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	15,537	1,228,767,123

FIGURES

A. Main Facilities



Pier



Revetment



Breakwater



Complex road

B. Functional Facilities



Auction Hall (TPI)



SPDN

C. Supporting Facilities



Fisherman meeting building



Parking area



13

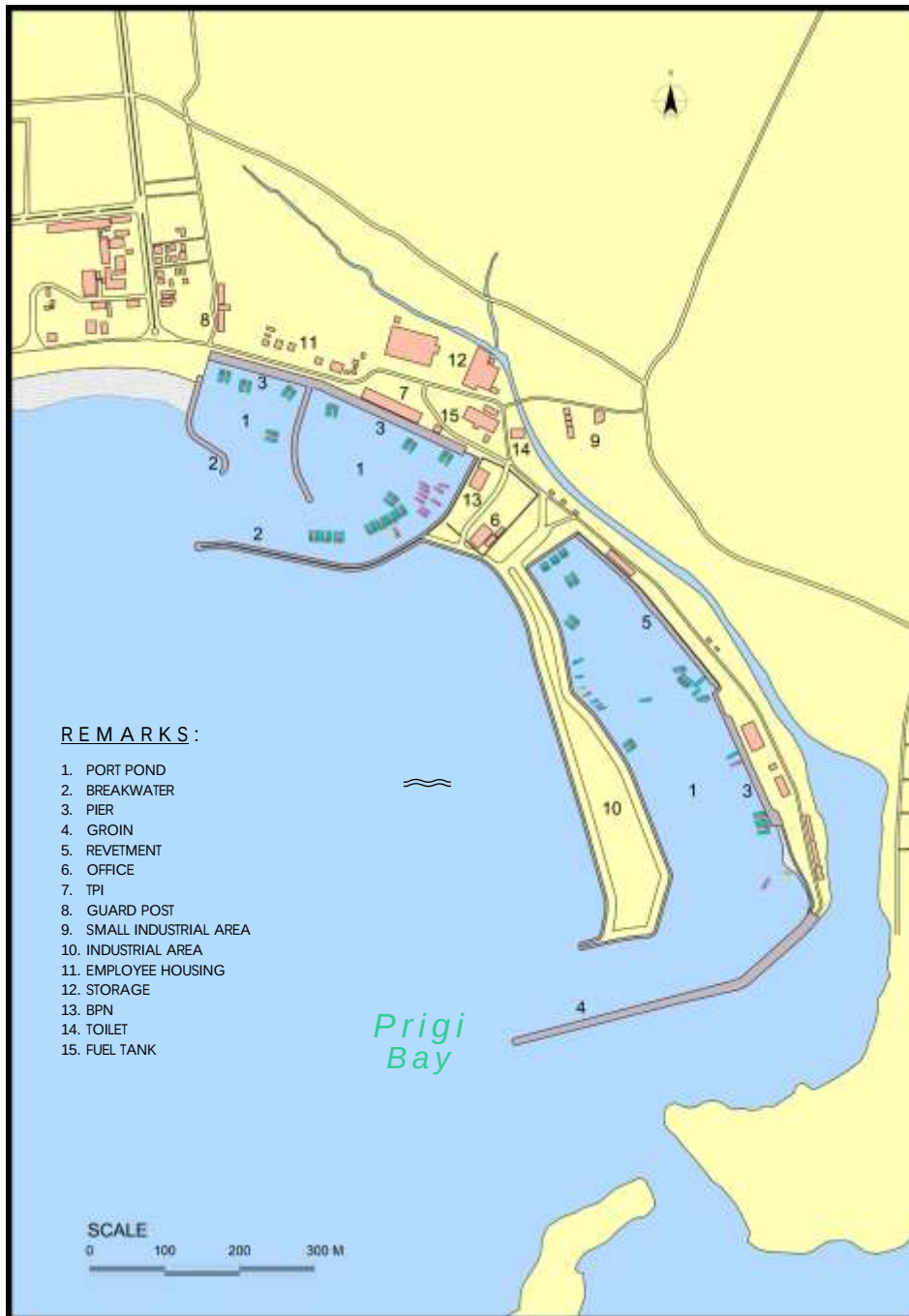
Prigi

ARCHIPELAGIC FISHING PORT EAST JAVA

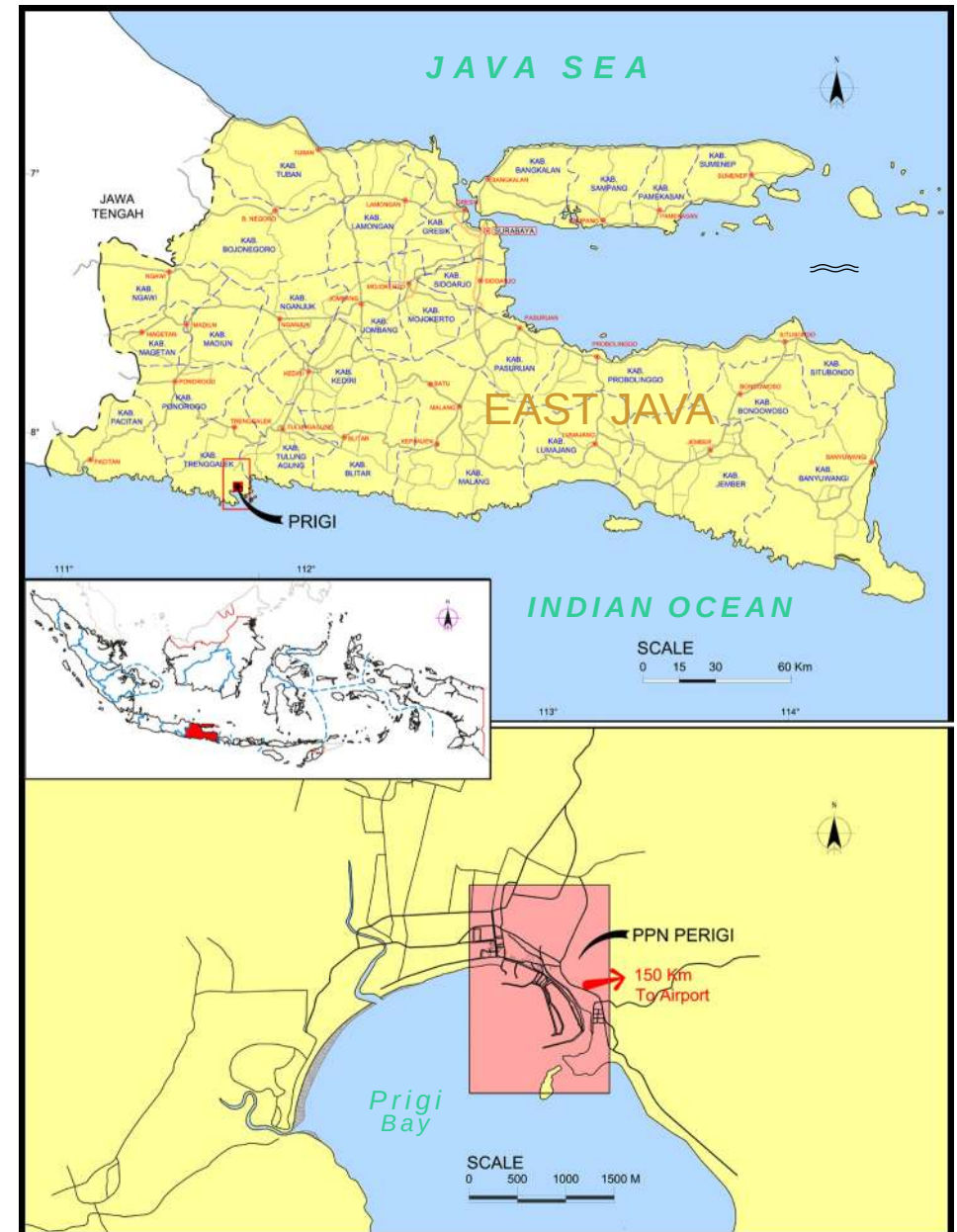
GENERAL INFORMATION

a. Name	: PRIGI
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Pantai Prigi, Kec. Watulimo - Trenggalek Jawa Timur 66382
d. Phone	: (0355) 551945, 551147, 551802
e. Fax	: (0355) 551995
f. E-mail	: ppnprigi@ymail.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Rustardi, A.Pi

Layout of Prigi AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Trenggalek	6,116.00	680,929 (2005)	0.25 (2005)	2,637,992 (2006)	15.06 (2006)	Statistics - Indonesia 2008
East Java	46,689.64	36,592,000 (2006)	0.86 (2006)	403,392,351 (2005)	18.27 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

a. River/Bay/Beach	:	Prigi Bay
b. Province	:	East Java
c. Regency/City	:	Trenggalek
d. District	:	Watulimo
e. Village/Sub-District	:	Tasikmadu
f. Geographic Position	:	<u>08° 17' 17" S Latitude</u> 111° 43' 53" E Longitude
g. Distance Toward		
- Capital City of Province	:	200 Km
- Capital City of Regency/City	:	45 Km
- District	:	3 Km
- Airport	:	150 Km (Juanda Airport - Surabaya)
- Other Ports	:	200 Km (Tanjung Perak Port - Surabaya)
	:	250 Km (Brondong Archipelagic Fishing Port)

Prigi Fishing Port is the particular archipelagic fishing port in southern part of East Java Province, facing Indian Ocean. This port has an area more than 14 Ha. The facilities in this fishing port are as following:

Table 13.1. Facilities in Prigi AFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	14.1	Ha
2	Port pond	15	Ha
3	Pier-1	552	m
4	Revertment/turap	830	m
5	Complex road	1,124	m
6	Breakwater	710	m
B	FUNCTIONAL FACILITIES		
1	Administration office	775	m ²
2	Auction hall (TPI)	1,399	m ²
3	Electricity	56	KVA
4	Equipment storage	80	m ²
5	Fish storage & shelter	80	m ²
6	Fishermen meeting hall	300	m ²
7	Fuel installation	1	unit
8	Fuel tank	50	ton
9	Generator room	35	m ²
10	Genset	30	KVA
11	Ice factory	20	ton/day
12	Navigation sign	4	unit
13	Port Officer office	655	m ²

NO	FACILITIES	VOLUME	UNIT
14	Pump house	30	m ²
15	Repair station	120	m ²
16	Supervision office	120	m ²
17	Trays storage	80	m ²
18	Water basin	40	ton
19	Water supply installation	1	unit
20	Water tank & installation	30	ton
C	SUPPORTING FACILITIES		
1	2 Wheel vehicles	10	unit
2	3 Wheel vehicles	3	unit
3	4 Wheel vehicles	2	unit
4	Diving equipment	4	unit
5	Guest house	240	m ²
6	House for Port Officer	4	unit

Almost the number of fisherman, fishing gear and logistic distribution are increasing from 2001-2007.

Table 13.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	4,190	660	-	-	-
2002	4,210	703	-	-	-
2003	4,325	760	2,171	1,710	-
2004	5,526	1,556	3,010	3,836	1,243
2005	6,235	1,757	2,782	5,579	798
2006	6,271	1,677	3,747	5,734	8,360
2007	6,271	1,494	4,012	5,810	8,491

Table 13.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	28,305	14,028	24,205,143	38,432
2002	67,273	57,293	53,836,786	159,966
2003	40,241	46,756	54,467,454	128,096
2004	27,220	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
2007	22,854	22,332	92,259,150	61,184

The largest production per day in Prigi AFP occurred in 2002. Since 2004 to 2007 the production increasing significant and also the value.

DOMINANT PRODUCT

Eastern little tuna is most dominant species in Prigi AFP. The most highest economical value is belong to Skipjack Tuna and Bali Sardinella is the lowest price among the other dominant fish.

Table 13.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Cakalang	Skipjack tuna	942,000	5,399,400,000	5,700
2	Layang deles	Shortfin scad	5,189,000	19,680,800,000	3,800
3	Lemuru	Bali sardinella	4,502,000	5,888,500,000	1,300
4	Tongkol como	Eastern little tuna	9,998,000	52,442,350,000	5,250

FISHERIES INDUSTRIES

There are 3 fisheries companies in Prigi port area, as shown below :

Table 13.5. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
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
TOTAL AREA			45,000

FISHING VESSELS

All boats that domicile and operate in Prigi fishing port are fishing vessels with various capacities.

Table 13.6. Number of landing frequency by size of Fishing Vessel in Prigi AFP, Year 2001-2007

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	274	175	96	-	-	-	-
2002	274	175	112	-	-	-	-
2003	477	85	112	-	-	-	-
2004	674	73	115	-	-	-	-
2005	649	105	120	-	-	-	-
2006	741	136	230	-	-	-	-
2007	641	151	240	-	-	-	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 13.7. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	8	8	-
Kerosene	0.5	0.5	-
Water	23	23	-
Ice	16	16	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Prigi fishing port are as follow :

Table 13.8. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	8,864	107,884,378

FIGURES

A. Main Facilities



Complex road



Revetment



Official houses



Warehouse



Pier



Port pond

C. Supporting Facilities



Auction hall (TPI)



Administration office

B. Functional Facilities



Fisherman meeting building



Shelter



SPDN



Fence

D. Activities



Fish loading activities



Net repairing activities



Mooring activities



14

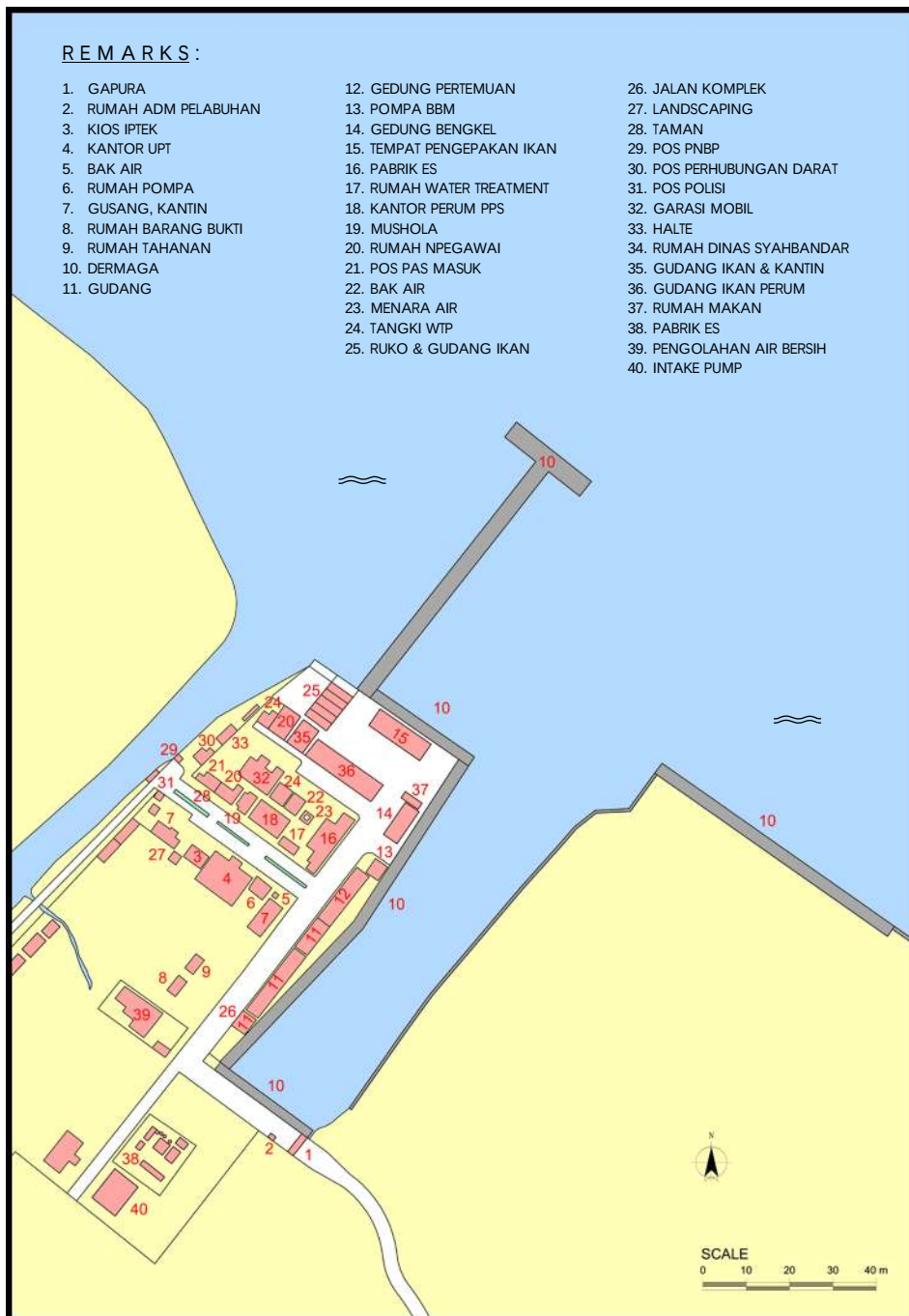
Pemangkat

ARCHIPELAGIC FISHING PORT WEST KALIMANTAN

GENERAL INFORMATION

a. Name	: PEMANGKAT
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Penjabab Timur Ujung Kec. Pemangkat, Kab. Sambas Kalimantan Barat 79453
d. Phone	: (0562) 242066
e. Fax	: (0562) 244113
f. E-mail	: ppnpemangkat@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. J. Jantje Patty

Layout of Pemangkat AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Sambas	6,395.70	485,446 (2007)	0.37 (2007)	3,618,691 (2006)	10.98 (2006)	Statistics - Indonesia 2008
West Kalimantan	120,114.32	4,118,000 (2006)	0.42 (2006)	33,742,468 (2005)	13.74 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- | | |
|--------------------------------|--|
| a. River/Bay/Beach | : Sungai Sambas Besar |
| b. Province | : West Kalimantan |
| c. Regency/City | : Sambas |
| d. District | : Pemangkat |
| e. Village/Sub-District | : Penajap |
| f. Geographic Position | : <u>01° 09' 36" S Latitude</u>
<u>108° 57' 16" E Longitude</u> |
| g. Distance Toward | |
| - Capital City of Province | : 117 Km |
| - Capital City of Regency/City | : 50 Km |
| - District | : 3 Km |

FACILITIES

Pemangkat Fishing Port is one of the 3 particular archipelagic fishing ports in Kalimantan Island. This port is located in western part of the island; facing Malacca Strait. The port area is more than 8 Ha. Facilities in this fisheries port are as follow:

Table 14.1. Facilities in Pemangkat AFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	8	Ha
2	Port pond	3	Ha
3	Pier-1	1,062	m ²
4	Pier-2	152	m ²
5	Revetment/turap	730	m ²
6	Jetty	654	m ²
7	Complex road	2,500	m ²
8	Drainage	690	m ²
9	Groin	171	m ²
B	FUNCTIONAL FACILITIES		
1	Arthesis/drill well	1	unit
2	Auction hall (TPI)	320	m ²
3	Bridge	16.50	m ²
4	Electrical beyond building	1	unit
5	Electricity	146	KVA
6	Fish storage & shelter	944	m ²
7	Fishermen meeting hall	1	unit
8	Fuel installation	50	m ²
9	Ice factory	10	ton/day
10	Parking area	335	m ²
11	Processing on water	200	m ²
12	Repair station	1	unit

NO	FACILITIES	VOLUME	UNIT
13	Reservoir basin	100	m³
14	Supervision office	150	m²
15	Telecommunication	1	unit
16	Toilet	200	m²
17	Water basin	1	unit
18	Water tank	200	m²
C	SUPPORTING FACILITIES		
1	BAP shops	5	unit
2	Fisherman shelter	1	unit
3	House for Port Officer	70	m²
4	Mosque	1	unit
5	Operator housing	162	m²

OPERATIONAL DATA

Almost all the indicator of operational were increasing from 2001 to 2007.

Table 14.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	1,485	173	4,511	37,218	7,751
2002	1,557	173	4,684	40,332	8,216
2003	1,530	172	7,005	41,394	9,654
2004	1,861	217	7,071	35,992	28,474
2005	1,898	225	6,834	30,505	20,072
2006	1,881	246	7,328	34,816	33,263
2007	1,929	256	7,468	38,801	38,073

Table 14.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	11,868	5,918	8,246,530	16,440
2002	16,922	5,338	9,216,100	14,830
2003	14,617	6,405	15,436,020	17,790
2004	17,969	9,205	35,168,020	25,600
2005	14,748	9,279	45,038,120	25,770
2006	69,397	6,475	54,318,488	17,740
2007	79,517	5,880	60,988,499	16,110
2008	104,089	9,172	115,282,615	25,120

From 2004 to 2007 the average production per day was about 25,000 kg and the most production occurred in 2007. About 50% production average increased in 2001 to 2007 and 90% in value increased in 2001 to 2007.

DOMINANT FISH

Bullet tuna was the most dominant fish in Pemangkat AFP, followed by *Slander scad*. *Black pomfret* was in top price of all dominant fish. About 40% of dominant fish were in medium economical value.

Table 14.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Bawal hitam	Black pomfret	370,574	8,142,685,500	21,973
2	Ikan karang	Coral reef fish	409,139	2,338,855,800	6,939
3	Kembung	Short-body mackerel	393,269	3,604,418,300	9,166
4	Layang	Scad	1,163,118	6,263,075,600	5,385
5	Layaran	Indo-Pacific blue marlin	86,894	638,025,100	7,343
6	Layur	Hairtails	343,967	2,522,248,650	7,333
7	Manyung	Giant catfish	178,757	1,165,734,100	6,521
8	Selar	Trevallies	1,183,448	7,773,323,300	6,739
9	Tenggiri	Narrow-barred Spanish mackerel	708,138	13,241,817,000	18,699
10	Tongkol/Lisong	Bullet tuna	2,855,718	21,938,956,600	7,682

There were 3 kinds of prawn from shrimp class that landing in Pemangkat AFP.

Table 14.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang putih	Banana prawn	178,003	1,855,052,000	10,421
2	Udang dogol	Endeavour prawn	41,523	761,659,000	18,343
3	Udang lainnya	Other shrimps	247,909	1,762,504,300	7,109

FISHERIES INDUSTRIES

About 53 fisheries companies are in Pemangkat port area with majority activities in fish trade,, as shown below .:

Table 14.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Agus Sudarso	Fish trade (market)	11
2	Ajin	Fish trade (market)	572
3	Ajun	Fish trade (market)	144
4	Ali Usman	Fish trade (market)	30
5	Ari	Fish trade (market)	48
6	Asmad	Fish trade (market)	16
7	Bastian	Fish trade (market)	30
8	Bauk/Suriadi	Fish trade (market)	76
9	Bongkew	Fish trade (market)	315
10	Ceku	Fish trade (market)	14
11	Cin Cung	Fish trade (market)	100
12	Effendi	Fish trade (market)	21
13	H. Mauludin	Fish trade (market)	160
14	Hamdani Idris	Fish trade (market)	14
15	Hamdi	Fish trade (market)	18
16	Hari Supriadi	Fish trade (market)	14
17	Hendi	Fish trade (market)	12
18	Henri/Engkel	Fish trade (market)	80
19	Herman	Fish trade (market)	10
20	Herry	Fish trade (market)	80
21	Holdy	Fish trade (market)	480
22	Ibrahim Jarni	Fish trade (market)	17
23	Ifung	Fish trade (market)	75
24	Indra	Fisheries business	75
25	Lestari/Tilis	Fish trade (market)	14
26	Maryono/Endek	Fish trade (market)	150
27	Muhrin	Fish trade (market)	17
28	Muslimin	Fish trade (market)	15
29	Namku	Fish trade (market)	416
30	Ngaku	Fish trade (market)	276
31	Nongning	Coffee shop	304
32	Nursanti	Fish trade (market)	93
33	Ny. Afung	Coffee shop	144
34	Ny. Mimi	Coffee shop	128
35	Onyek	Fish trade (market)	14
36	Pahlujan	Fish trade (market)	56
37	Pairus	Fish trade (market)	80
38	PT. Dwi Tirta Investindo	Ice factory	1,000
39	Rano	Fish trade (market)	48
40	Rapik	Fish trade (market)	80
41	Rasidi	Fish trade (market)	48
42	Risdianto	Fish trade (market)	18
43	Ruslan	Fish trade (market)	34
44	Sabaruddin	Fish trade (market)	7

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
45	Sarmili	Fish trade (market)	7
46	Sun Nyan	Fish trade (market)	87
47	Supriadi	Fish trade (market)	18
48	Tamil	Fish trade (market)	28
49	Tan Sui An	Fish trade (market)	100
50	Trisno	Fish trade (market)	18
51	Yakup	Fish trade (market)	43
52	Yatim	Fish trade (market)	10
53	Zamhari	Fish trade (market)	14
TOTAL AREA			5,677

FISHING VESSELS

In 2007, the number of 20 - 30 fishing vessel is a half of number of < 10 GT. The highest fishing vessels is 100 - 200 GT

Table 14.7. Number of domicile by size of Fishing Vessel in Pemangkat AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	103	13	13	21	22	1	-
2002	103	13	13	21	22	1	-
2003	102	13	13	21	22	1	-
2004	113	18	25	32	28	1	-
2005	121	30	33	19	21	1	-
2006	124	22	59	14	29	1	-
2007	129	20	66	16	24	1	-
2008	124	39	58	21	25	1	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 14.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	-	7,468	-
Kerosene	-	-	-
Water	-	38,073	-
Ice	-	38,801	-

ECONOMIC CYCLE

The average number of worker and average circulation money in Pemangkat fishing port are as follow :

Table 14.9. Economic Cycle, Year 2007-2008

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	2,768	144,688,440,000
2008	3,049	197,117,000,000

FIGURES

A. Main Facilities



Pier



Port pond



Bolder

B. Functional Facilities



Administration office



SPDN



Water reservoir



Ice factory

C. Supporting Facilities



Science and technology shops



Port gate



Musholla

D. Activities



Mooring activities



15

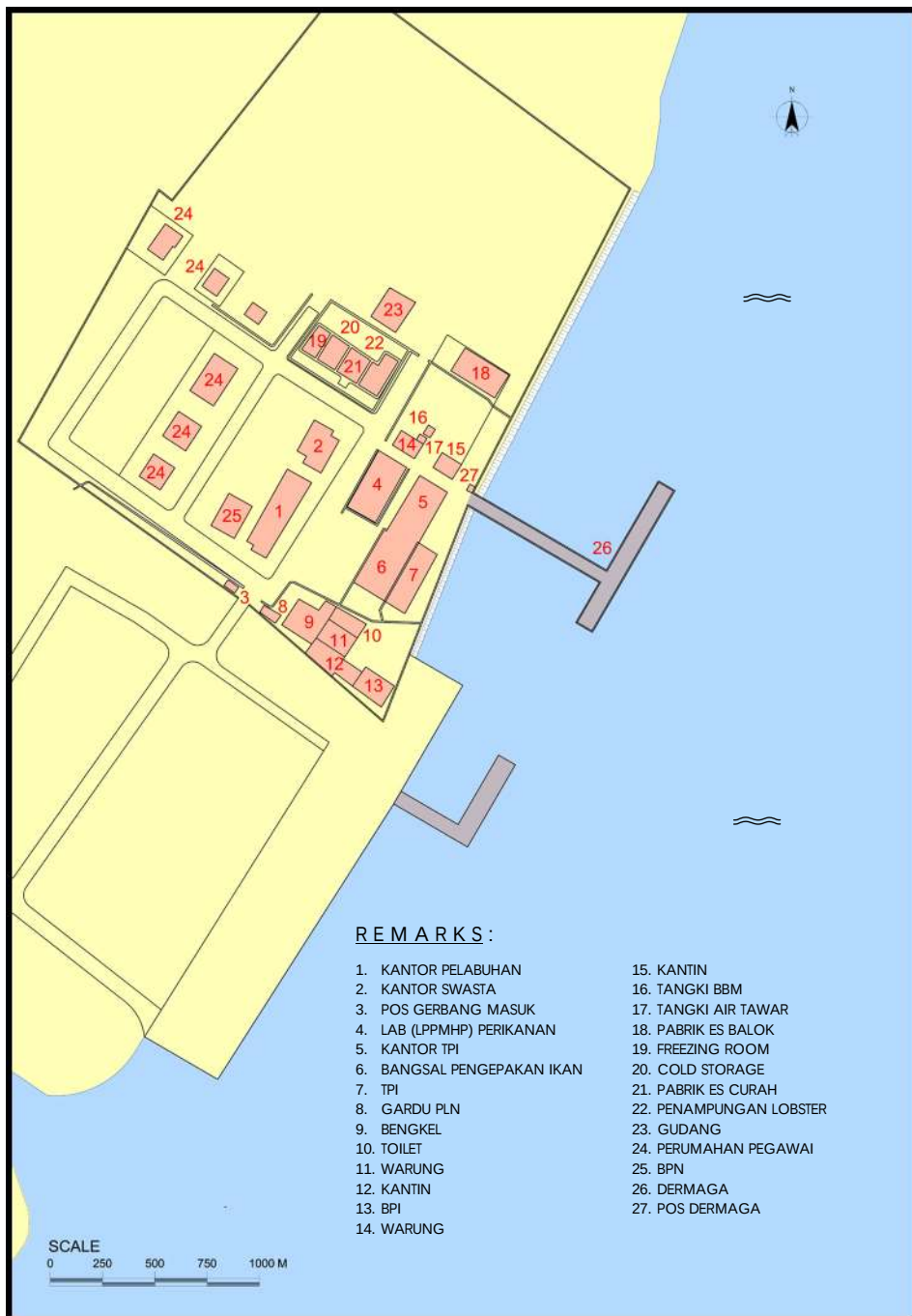
Ternate

ARCHIPELAGIC FISHING PORT
NORTH MALUKU

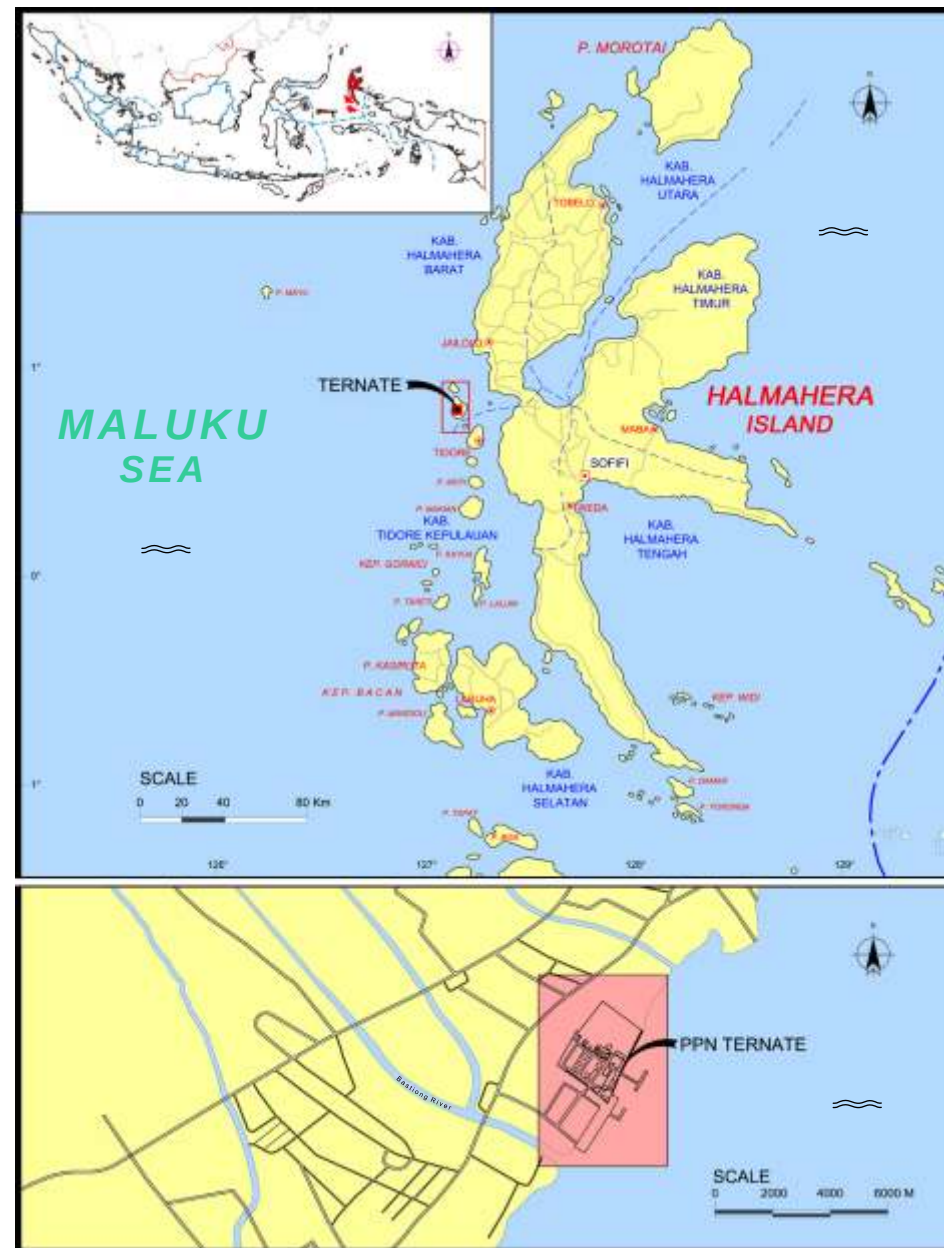
GENERAL INFORMATION

a. Name	: TERNATE
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Pasar Inpres, Bastiong PO. BOX 25 - Ternate Maluku Utara 97716
d. Phone	: (0921) 21385, 21128
e. Fax	: (0921) 21128
f. E-mail	: ppntte@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Dwi Yuliono Rochayadi, A.PI, M.M

Layout of Ternate AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Ternate City	249.75	163,166 (2005)	7.93 (2005)	517,921 (2006)	10.04 (2006)	Statistics - Indonesia 2008
North Maluku	39.959.99	919,000 (2006)	2.02 (2006)	2,580,960 (2005)	8.97 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- 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° 46' 16" N Latitude
 127° 22' 42" E Longitude
 g. Distance Toward
 - Capital City of Province : 4 Km
 - Capital City of Regency/City : 4 Km
 - District : 3 Km
 - Airport : 9 Km (Sultan Babullah Airport - Ternate)
 - Other Port : 3 Km (Pelindo - Ternate)

FACILITIES

Ternate Fishing Port is one of the particular archipelagic fishing ports in eastern part of Indonesia. This port has an area of 10 Ha and close access to Pacific Ocean. The facilities in this fishing port are as follow:

Table 15.1. Facilities in Ternate AFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	10	Ha
2	Pier-1	716	m ²
3	Pier-2	667	m ²
4	Pier-3	202	m ²
5	Revetment/turap	197	m ²
6	Jetty	678	m
7	Complex road	5,140	m ²
8	Water depth	-7	m
B	FUNCTIONAL FACILITIES		
1	Administration office	415	m ²
2	Air blast freezer	6	ton/day
3	Auction hall (TPI)	500	m ²
4	Cold storage	80	ton
5	Drill well building	20	m ²
6	Electrical relay station	21	m ²
7	Electricity	300	KVA
8	Equipment storage	120	m ²
9	Fisheries supervision post	54	m ²
10	Fishermen meeting hall	100	m ²
11	Genset	150	KVA

NO	FACILITIES	VOLUME	UNIT
12	Ice factory	30	ton/day
13	Net storage	210	m ²
14	Parking area	544	m ²
15	Repair station	200	m ²
16	Road complex	6,235	m ²
17	Supervision office	54	m ²
18	Water tank	2	unit
C	SUPPORTING FACILITIES		
1	2 wheels vehicle	4	unit
2	4 wheels vehicle	2	unit
3	House for Port Officer	9	unit
4	Laboratory building	200	m ²

OPERATIONAL DATA

Fishermen and fishing gears are increasing from 2001 to 2008. But for ice and water the trend line are linier except for fuel.

Table 15.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2008

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	432	-	-	-	-
2002	770	80	6,223	189	3,652
2003	830	91	5,535	261	4,280
2004	702	100	3,523	476	6,932
2005	1,167	102	1,689	381	6,787
2006	1,167	157	612	449	9,705
2007	1,731	207	585	308	14,000
2008	2,268	201	595	7,456	12,303

Table 15.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	-	-	-	-
2002	3,897	3,897	14,324,000	10,825
2003	3,754	3,754	15,585,227	10,428
2004	3,831	3,831	14,052,977	10,642
2005	3,969	3,969	18,539,015	11,025
2006	5,936	5,414	30,529,103	15,039
2007	4,841	4,484	28,925,127	12,456
2008	5,702	4,624	42,993,584	12,844

From 2002 to 2008 average of boat visit are about 4000 unit/year. The most production occurred in 2006 and they are fluctuate from 2002 to 2008.

DOMINANT PRODUCT

Spotted sardinella was the most dominant fish in Ternate AFP. *Mackerel* and *Croaker* were the highest economical value. *Trevallies* and *Emperors* had the same price.

Table 15.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Layang	Scad	2,197,000	12.118.652.000	5.516
2	Pisang-pisang	Yellowtail fusiliers	275,000	2.226.125.000	8.095
3	Cakalang	Skipjack tuna	653,000	5,014,387,000	7,679
4	Tongkol/Lisong	Bullet tuna	768,000	4,631,808,000	6,031
5	Ekor kuning	Redbelly yellowtail fusiliers	56,000	465,304,000	8,309
6	Kembung	Short-body mackerel	202,000	1,484,902,000	7,351
7	Madidihan	Yellowfin tuna	101,000	1,107,869,000	10,969
8	Selar	Trevallies	123,000	957,924,000	7,788
9	Julung	Needle fishes	15,000	98,775,000	6,585
10	Sarden	Spotted sardinella	21,000	110,817,000	5,277
11	Swaggi	Purple spotted bigeye	3,000	26,712,000	8,904
12	Kakap merah	Red snappers	19,000	213,674,000	11,246
13	Kerapu	Groupers	44,000	840,708,000	19,107
14	Kwee	Jack trevallies	32,000	295,712,000	9,241
15	Baronang	White-spotted spinefoot	1,000	9,072,000	9,072
16	Sunglir	Rainbow runner	3,000	20,040,000	6,680

The price of shrimp in Ambon are very high value enough. About 120.000 rupiahs, the average price for shrimps.

Table 15.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Lobster	Lobster	655	131,000,000	200,000

FISHERIES INDUSTRIES

About 9 fisheries companies are this port area with about 17.524 m2 area, such as shown below.

Table 15.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	CV Fiber Glass Perkasa	Boat factory	6,540
2	LEPPM3	Pemberdayaan nelayan	175
3	LPPMHP	Laboratorium	200
4	PT. Dwi Poli Perkasa	Cold storage	950
5	PT. Mitra Nelayan Mandiri	Selling of block ice	1,000
6	PT. Usaha Mina	Selling fish	84
7	UD Agus	Fish collecting storage	100
8	UD Irwan	Fish collecting storage	207
9	UD. Hermanto	Fish collecting storage	262
TOTAL AREA			9,518

FISHING VESSELS

The best number of fishing vessel occurred in 2007. There are 292 fishing vessels size >200 GT have landed here or almost 40 % of total number of fish.

Table 15.7. Number of landing frequency by size of Fishing Vessel in Ternate AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	790	81	33	61	109	45	10
2002	11,555	19	44	76	141	46	8
2003	1,155	63	76	195	170	67	16
2004	1,852	210	189	67	84	31	4
2005	1,298	155	264	141	49	51	5
2006	19	11	7	-	-	-	-
2007	20	17	10	-	-	3	-
2008	38	33	11	-	-	-	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 15.8. Logistic Variable and Supply, Year 2008

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

ECONOMIC CYCLE

The average number of worker and average circulation money in Ternate fishing port are as follow :

Table 15.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	1,534	345,649,000

FIGURES

A. Main Facilities



Pier



Port pond



Complex road



Revertment

B. Functional Facilities



Fish market



Ice factory



Auction hall (TPI)



Administration office

C. Supporting Facilities



Fisherman meeting building



Guest house



Mosque



16

Ambon

ARCHIPELAGIC FISHING PORT
MALUKU

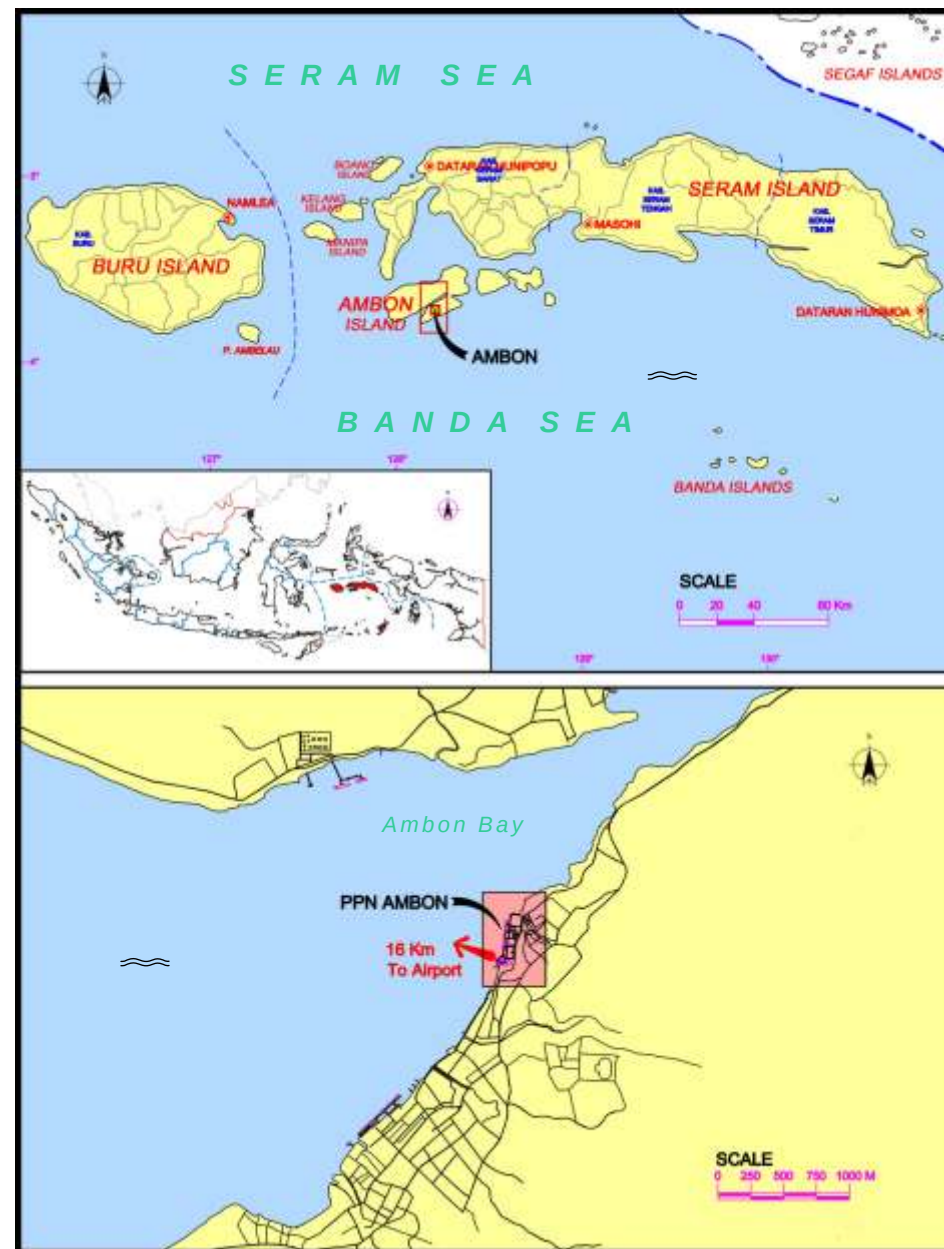
GENERAL INFORMATION

- | | |
|-------------------------|--|
| a. Name | : AMBON |
| b. Classification | : Archipelagic Fishing Port |
| c. Address | : Jl. Sultan Hasanuddin, Pandan Kasturi
Ambon 97128 |
| d. Phone | : (0911) 355222, 354728 |
| e. Fax | : (0911) 345291 |
| f. E-mail | : pelikan_ambon@yahoo.co.id |
| g. Website | : www.pipp.dkp.go.id |
| h. Head of Fishing Port | : Ir. Frits P. Lesnussa, M.Si |

Layout of Ambon AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Ambon City	359.45	271,972 (2007)	3.35 (2007)	2,089,100 (2006)	14.79 (2006)	Statistics - Indonesia 2008
Maluku	47,350.42	1,271,000 (2006)	1.44 (2006)	4,570,664 (2005)	12.90 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

Table 16.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	38	1,065	-	-
2002	43	1,325	-	-
2003	353	551	1,499,954	1,511
2004	348	457	775,044	1,252
2005	552	716	2,178,949	1,962
2006	267	24,491	255,430,068	204,090
2007	724	46,492	232,525,725	127,376
2008	491	8,215	136,196,435	22,505

Boat visit seemed fluctuated, the production increased in 2002-2007.

DOMINANT PRODUCT

Table 16.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Beloso	Greater lizard fish	2,225,322	3,782,483,900	1,700
2	Gulamah/Tigawaja	Croaker	1,637,118	4,660,360,700	2,847
3	Kembung	Short-body mackerel	3,222,325	9,478,543,200	2,942
4	Kerong-kerong	Jerbua terapon/ large-scale terapon	3,160,790	6,141,169,500	1,943
5	Lemuru	Bali sardinella	4,653,700	4,828,665,000	1,038
6	Lencam	Emperors	3,233,306	6,485,771,710	2,006
7	Peperek	Pony fishes/Sleepmouth	4,935,500	6,189,439,500	1,254
8	Sardine/Siro	Spotted sardinella	5,988,365	7,685,952,625	1,283
9	Selar	Trevallies	2,994,485	6,007,904,000	2,006
10	Tetengkek	Torpedo scad	3,316,230	5,460,000,000	1,646

Spotted sardinella was the most dominant fish in Ambon AFP. Mackerel and Croaker were the highest economical value. Trevallies and Emperors had the same price.

Table 16.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang lainnya	Other shrimps	312,006	9,316,797,500	167,802
2	Udang putih/Jerbung	Banana prawn	201,778	21,984,997,500	108,956
3	Udang windu	Jumbo tiger shrimp/ Tiger prawn	770,761	83,223,712,500	107,976

The price of shrimp in Ambon were very high enough. The average price was about 120,000 rupiahs per Kilogram for shrimps.

FISHERIES INDUSTRIES

About 16 fisheries companies are in this port area :

Table 16.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	CV. Wanding Jaya	Safety marine	96
2	PT. Mitra Utama Maluku	Processing	1,200
3	CV. Saleh Group	Processing	1,200
4	CV. Tuna Maluku	Processing	800
5	DKP	UPMB	1,200
6	FA. Fatma Kama	Canteen	170
7	FA. Sanu	Processing	1,200
8	PT. Damarin Sumber Pratama	LPG gas storage	180
9	PT. Damarina Alam Bahari	Processing	2,000
10	PT. Dech Alsum Nusantara	Processing	2,140
11	PT. Hadigdo	Workshop	1,600
12	PT. Harta Samudera 01	Processing	2,500
13	PT. Harta Samudera 02	Processing	1,200
14	PT. Mina Sejahtera	Shop/canteen	900
15	PT. Sinar Abadi Cemerlang	Workshop	738
16	PT. Tri Satria Samudra	Processing	400
TOTAL AREA			17,524

FISHING VESSELS

All boats that domicile and operate in Ambon fishing port are fishing vessels with various capacities. The best number of fishing vessel occurred in 2007. There are 292 fishing vessels size >200 GT have landed here or almost 40 % of total number of fish.

Table 16.7. Number of domicile by size of Fishing Vessel in Ambon AFP, Year 2001-2008

YEAR	FISHING VESSELS (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	7	7	12	66	45
2005	2	2	2	2	14	106	98
2006	-	1	1	1	17	110	118
2007	16	23	32	15	49	298	292
2008	16	4	28	13	2	27	46

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 16.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	550	-	-
Kerosene	-	-	-
Water	120	60	60
Ice	-	-	-



Complex road



Revertment

ECONOMICCYCLE

The average number of worker and average circulation money in Ambon fishing port, shown :

Table 16.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	779	1,077,425,000

B. Functional Facilities



Administration office



Ice factory

FIGURES

A. Main Facilities



Pier



Port pond



Fuel tank



Auction hall (TPI)

C. Supporting Facilities



Fisherman meeting building



17
Tual

ARCHIPELAGIC FISHING PORT MALUKU

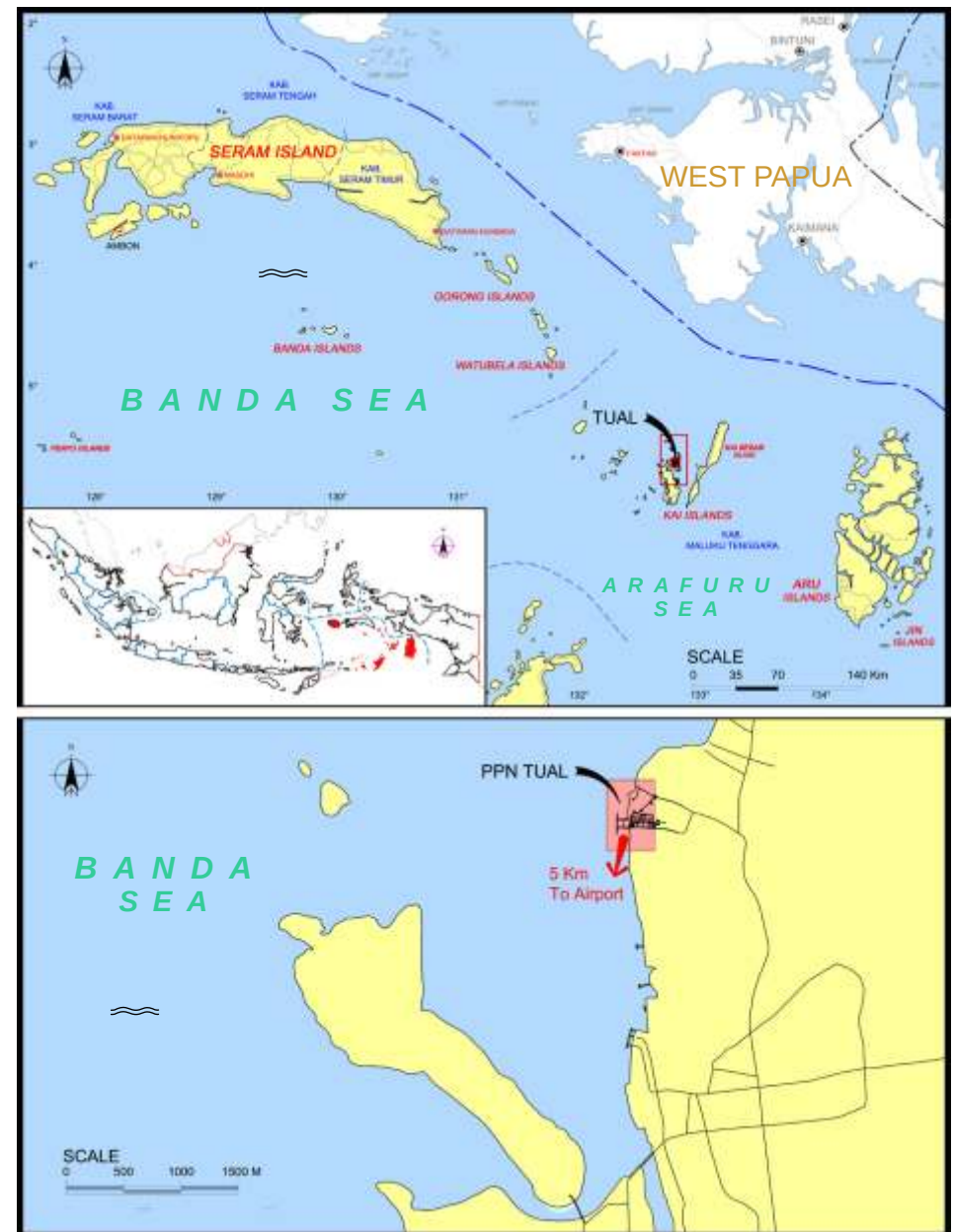
GENERAL INFORMATION

a. Name	: TUAL
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Dumar Kota Tual - Prov. Maluku
d. Phone	: (0916) 22681
e. Fax	: (0916) 22691
f. E-mail	: ppntual@telkom.net
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Joko Suprptomo, A.Pi, MM

Layout of Tual AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
South East Maluku	4,049.00	150,160 (2006)	2.02 (2006)	458,370 (2006)	10.96 (2006)	Statistics - Indonesia 2008
Maluku	47,350.42	1,271,000 (2006)	1.44 (2006)	4,570,664 (2005)	12.90 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- a. River/Bay/Beach : Tual
 b. Province : Maluku
 c. Regency/City : South East Maluku
 d. District : South Dullah
 e. Village/ Sub-District : Dumar
 f. Geographic Position : 05° 36' 59" S Latitude
 132° 44' 30" E Longitude
 g. Distance Toward
 - Capital City of Province : 528 Km (by air)
 - Capital City of Regency/City : 3 Km
 - District : 3 Km
 - Airport : 5 Km (Dumatubun Airport)
 - Other Port : 2 Km (Tual Port)

FACILITIES

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

Table 17.1. Facilities in Tual AFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	11	Ha
2	Port pond	6	m
3	Pier-1	1,056	m ²
4	Forest land	10	Ha
5	Navigation facilities	15	m
6	Shipping routes	45	mil
7	Water depth	-6	m
B	FUNCTIONAL FACILITIES		
1	Administration office	550	m ²
2	Auction hall (TPI)	450	m ²
3	Electricity	42	KVA
4	Fishermen meeting hall	591	m ²
5	Fuel tank	41,340	KL
6	Genset	40	KVA
7	Genset house	108	m ²
8	Net storage	462	m ²
9	Repair station	324	m ²
10	Reservoir basin	150	m ³

NO	FACILITIES	VOLUME	UNIT
C	SUPPORTING FACILITIES		
1	2 wheels vehicle	2	unit
2	4 wheels vehicle	5	unit
3	House for Port Officer	8	unit

OPERATIONAL DATA

The operational activities indicators in Tual fishing port, such as numbers of fisherman, fishing gears and fishing activities are as follow:

Table 17.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2008

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	3,450	503	-	-	8,750
2002	4,150	561	10,010	-	9,850
2003	4,284	406	-	-	9,450
2004	2,940	256	-	-	10,460
2005	5,961	504	146,081	-	11,237
2006	7,150	572	3,285	-	16,284
2007	6,693	522	79,000	-	17,098
2008	4,622	164	25,893	-	7,787

Table 17.3. Fishing Activities, Fish Production and Value, Year 2001-2008

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	746	23,362	207,909,975	65,000
2002	712	68,815	676,063,500	191,153
2003	685	58,082	747,224,500	162,000
2004	598	57,941	709,949,500	166,948
2005	832	55,668	721,526,500	154,634
2006	878	130,167	1,609,862,000	361,575
2007	897	145,666	1,355,096,500	404,628
2008	480	32,801	334,125,790	91,114

DOMINANT PRODUCT

Table 17.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Bawal hitam	Black pomfret	812,482	107,310,975	14,500
2	Bawal putih	Silver pomfret	184,260	77,967,050	11,500
3	Beloso	Greater lizard fish	37,809,070	189,045,350	5,000
4	Cucut	Shark	2,601,332	15,607,992	6,000
5	Cumi-cumi	Common squids	536,701	6,620,513	4,000
6	Kakap merah	Red snapper	795,386	440,381,691	12,000
7	Kakap putih	Barramundi/giant sea - perch	296,708	4,125,870	12,000
8	Kembung	Short-body mackerel	3,222,322	28,929,334	6,000
9	Kerapu	Groupers	6,000	60,000,000	10,000
10	Kurisi	Ornate threadfin bream	8,111,878	79,218,580	8,000
11	Layang	Slander scad	1,368,676	33,686,760	8,500
12	Lencam	Emperors	2,232,749	32,470,735	8,000
13	Peperek	Pony fishes/sleepmouth	13,391,270	100,434,450	4,000
14	Selar	Trevallies	1,700,520	11,049,390	4,500
15	Tenggiri	Narrow-barred Spanish mackerel	1,398,898	13,988,980	8,500
16	Tetengkek	Torpedo scad	10,738,324	80,267,430	6,000
17	Tongkol/Lisong	Bullet tuna	3,288,285	33,977,250	9,000
18	Ikan lainnya	Others	56,720,006	680,623,416	10,000

Table 17.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang putih	Banana prawn	451,656	22,660,500	50,172

FISHERIES INDUSTRIES

There are 6 fisheries companies/business units established in Tual port area, excluding the other fisheries companies beyond port area.

Table 17.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	CV. Mitra usaha	Inflatable life craft service & firefighters	104
2	CV. Tani Makmur	Kiosk	220
3	PT. Getra Mina Usaha	SPBN	1,248
4	PT. Nini Gerhana	Telecommunication stall, supply building, water supply	1,617
5	PT. Pusaka Bahari	Cold storage, ice factory, employees housing, genset	6,376
6	Toko Anugrah	Kiosk	210
TOTAL AREA			9,775

FISHING VESSELS

All boats that domicile and operate in Tual fishing port are fishing vessels with various capacities.

Table 17.7. Number of domicile by size of Fishing Vessel in Tual AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	-	-	-	-	26	108	46
2004	-	-	-	-	24	96	67
2005	-	-	-	-	-	229	17
2006	-	-	-	-	-	229	17
2007	-	-	-	-	-	66	210
2008	-	-	-	-	-	32	47

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 17.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	-	58	-
Kerosene	-	-	-
Water	36	23	13
Ice	-	-	-

FIGURES

A. Main Facilities



Pier



Port pond



Complex road



Revetment

B. Functional Facilities



Administration office



Fuel tank



Water tower



Auction hall (TPI)

C. Supporting Facilities



Fisherman meeting building



Official houses



Guest house



18

Pengambengan

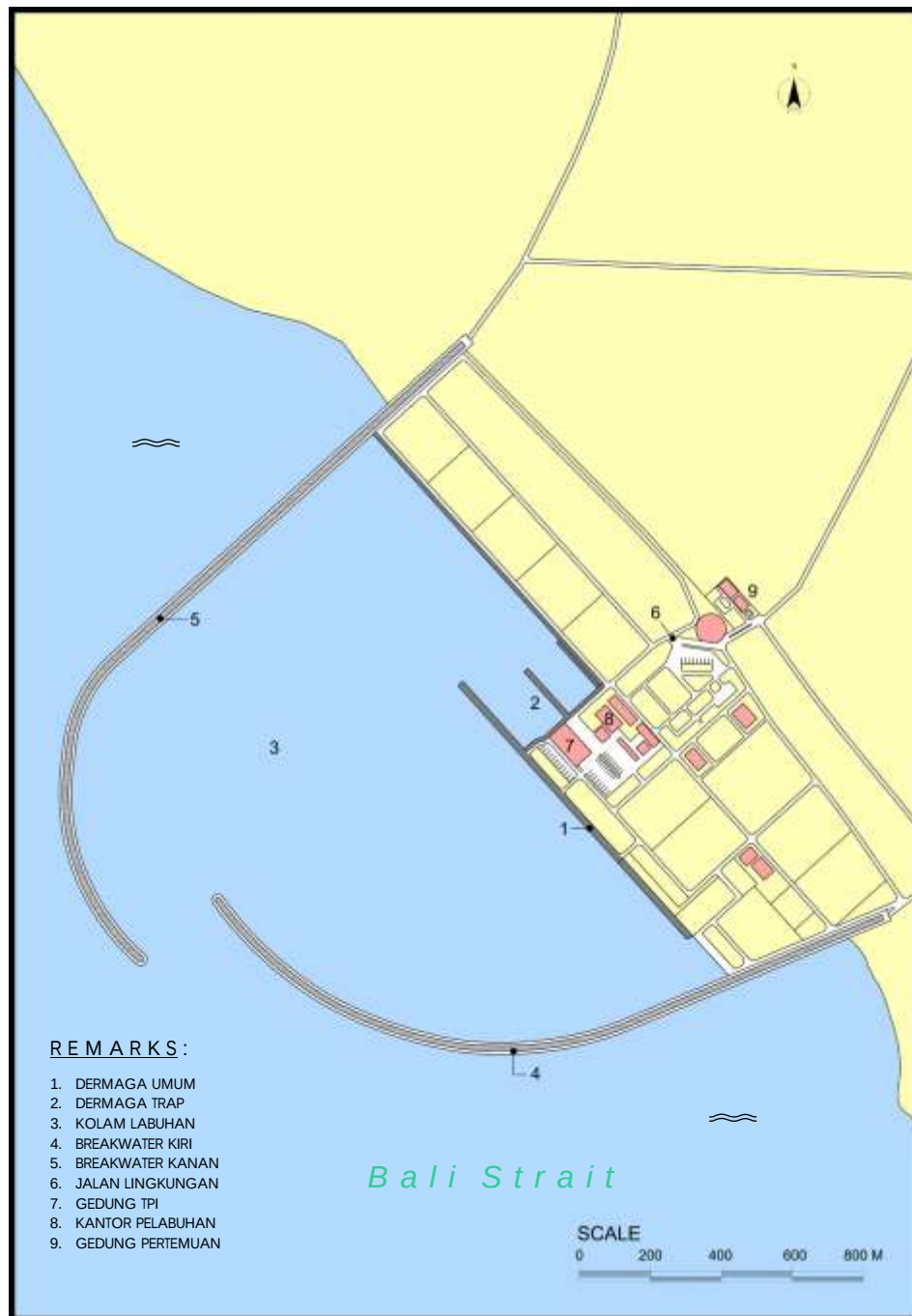
ARCHIPELAGIC FISHING PORT

BALI

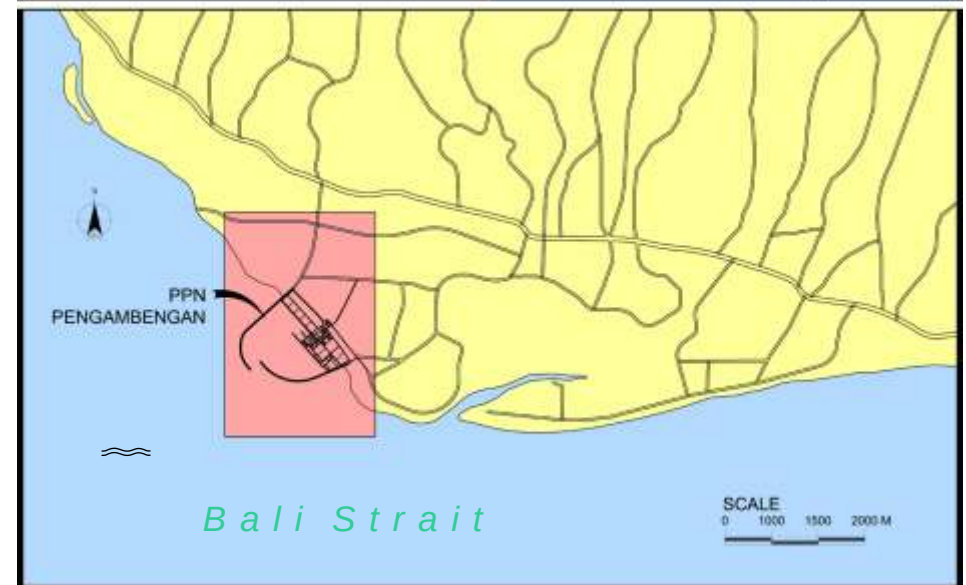
GENERAL INFORMATION

a. Name	: PENGAMBENGAN
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Pelabuhan No.1 - Desa Pengambengan Kec. Negara Kab. Jembrana - Bali 82251
d. Phone	: (0365) 42968, 41542, 43303
e. Fax	: (0365) 42968
f. E-mail	: ppp_pengambengan@yahoo.com
g. Website	: www.pipp.dkp.go.id
h. Head of Fishing Port	: Ir. A.H. Tampubolon

Layout of Pengambenan AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Jembrana	841.80	264,865 (2007)	1.56 (2007)	2,228,015 (2006)	9.12 (2006)	Statistics - Indonesia 2008
Bali	5,449.37	3,432,000 (2006)	1.44 (2006)	33,946,468 (2005)	17.11 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

Table 18.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Layang	Slander scad	362,000	1,158,196,000	3,196
2	Lemuru	Bali sardinella	13,096,000	16,684,496,000	1,274
3	Tembang	Fringescale sardinella/ goldstripe sardinella	1,000	1,381,000	1,270
4	Tongkol/Lisong	Bullet tuna	361,000	1,442,911,000	3,992

FISHERIES INDUSTRIES

Pengambengan Port has the potential area for industry. There are 2 fisheries companies/business units in this area, such as shown below :

Table 18.5. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	PT. Cilacap Samudera Fishing Industry	Fish freezing, cold storage, fish canning factory, fish mill and dockyard (also docking)	15,000
2	PT. Intan Sakti	SPDN	1,500
TOTAL AREA			16,500

FISHING VESSELS

All boats that domicile and operate in Pengambengan fishing port are fishing vessels with various capacities.

Table 18.6. Number of domicile by size of Fishing Vessel in Pengambengan AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	-	2	-	-	-	-	-
2004	-	4	1	-	-	-	-
2005	-	6	1	-	-	-	-
2006	36	76	4	-	-	-	-
2007	129	30	-	-	-	-	-
2008	204	140	-	-	-	-	-

LOGISTICS

Table 18.7. Logistic Variable and Supply, Year 2008

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

ECONOMIC CYCLE

The average number of worker and average circulation money in Pengambengan fishing port are as follow :

Table 18.8. Economic Cycle, Year 2008

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2008	9,485	201,000,000

FIGURES

A. Main Facilities



Breakwater



Pier



Port pond



Complex road

B. Functional Facilities



Auction hall (TPI)



SPDN



Administration office



Docking

c. Supporting Facilities



Fisherman meeting building



Quality control laboratory



Official house



Vihara/Pura



19

Sungailiat

ARCHIPELAGIC FISHING PORT
BANGKA BELITUNG

GENERAL INFORMATION

a. Name	: SUNGAILIAT
b. Classification	: Archipelagic Fishing Port
c. Address	: Jl. Yos Sudarso No.50 - Sungailiat, Kab. Bangka Kepulauan Bangka Belitung
d. Phone	: (0717) 92342, 92432
e. Fax	: (0717) 92342
f. E-mail	: ppnsungailiat@yahoo.co.id
g. Website	: www.ppnsungailiat.tk
h. Head of Fishing Port	: Sutardjo, A.Pi, MM

Layout of Sungailiat AFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Bangka	2,950.68	217,545 (2003)	-	2,892,495 (2006)	13.37 (2006)	Statistics - Indonesia 2008
Bangka Belitung	16,424.14	1,075,000 (2006)	3.00 (2006)	13,387,737 (2005)	20.82 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- 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 Position : 01° 51' 49" S Latitude
 106° 07' 31" E Longitude
 g. Distance Toward
 - Capital City of Province : 32 Km
 - Capital City of Regency/City : 5 Km
 - District : 2 Km
 - Airport : 37 Km (Depati Amir Airport - Pangkal Pinang)
 - Other Ports : 32 Km (Pelindo Pangkalpinang)
 33 Km (Pangkal Balam Port)
 120 Km (Mentok Port)

FACILITIES

Sungailiat Fishing Port is the particular archipelagic fishing port in Bangka Belitung Islands Province. Located in Bangka Islands facing Malacca Straits and having area more than 15 Ha, its facilities in this fishing port are as below:

Table 19.1. Facilities in Sungailiat OFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	15.22	Ha
2	Port pond	10,560	Ha
3	Pier-1	1,560	m ²
4	Revetment/turap	1,252	m ²
5	Complex road	3,400	m ²
6	Fisherman industrial area	9,323	m ²
7	Water depth	-3	m
8	Yard of fish landing	408	m ²
B	FUNCTIONAL FACILITIES		
1	Administration office	150	m ²
2	Auction hall (TPI)	450	m ²
3	Electrical installation	4,800	Watt
4	Fish market	1,880	m ²
5	Fish storage & shelter	165	m ²
6	Fishermen meeting hall	125	m ²
7	Fuel tank	90	m ²
8	Ice storage	360	m ²
9	Packing building	256	m ²
10	Parking area	1,800	m ²
11	Repair station	230	m ²

NO	FACILITIES	VOLUME	UNIT
12	Trays storage	165	m ²
13	Water tank	134	m ²
14	Water tower and installation	9	m ²
C	SUPPORTING FACILITIES		
1	Official house	140	m ²
2	Operator housing	350	m ²
3	SSB Radio	1	unit

OPERATIONAL DATA

Indicators of various operational activities in this fishing port, such as numbers of fisherman, fishing gears and fishing activities, are as follow:

Table 19.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	-	-	-	-	-
2002	1,100	218	222	8,298	596
2003	1,186	256	1,925	9,762	618
2004	1,350	309	2,124	9,848	776
2005	1,350	309	2,531	11,332	774
2006	1,469	390	2,492	10,688	801
2007	1,471	405	2,181	7,059	1,813

Table 19.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	-	-	-	-
2002	13,931	3,389	22,836,960	14,121
2003	13,026	3,230	18,248,851	13,457
2004	13,543	4,325	30,088,564	17,877
2005	11,780	3,630	32,274,930	15,124
2006	12,280	3,926	45,412,336	14,762
2007	13,611	4,627	71,546,974	12,853

DOMINANT PRODUCT

Table 19.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Alu-alu	Great barracuda	19,664	165,608,000	-
2	Bawal hitam	Black pomfret	149,873	4,114,598,250	-
3	Cucut alopi	Shark	40,999	340,715,250	-
4	Cucut lanyam	Requiem shark	29,166	284,730,000	-
5	Cumi-cumi	Common squids	166,567	3,721,271,210	-
6	Dellah	-	63,225	830,270,000	-
7	Golok-golok	Drab wolf herring	22,667	295,660,250	-
8	Kakap merah/ bambangan	Red snapper	235,373	7,378,538,500	-
9	Kembung	Short-body mackerel	112,080	1,573,923,750	-
10	Kerapu karang	Blue lined seabass	131,377	2,731,691,000	-
11	Kerapu sunu	Leopard coral grouper	38,423	3,168,252,000	-
12	Kurisi	Ornate threadfin bream	146,643	3,069,208,000	-
13	Kuwe	Jack trevallies	51,453	803,753,250	-
14	Layaran	Indo-Pacific blue marlin	28,330	279,917,750	-
15	Lemuru	Bali sardinella	472,113	4,765,213,000	-
16	Manyung	Giant catfish	170,301	1,848,626,250	-
17	Pari burung	Eaglerays	38,788	344,391,500	-
18	Pari kembang	Stingray	686,326	6,047,390,750	-
19	Rajungan	Swimming crab	23,210	780,725,250	-
20	Selar bentong	Big eye scad	131,305	2,385,604,500	-
21	Selar kuning	Trevallies	357,518	4,572,791,500	-
22	Talang-talang	Queen fish	17,858	169,984,750	-
23	Tembang	Fringe scale sardinella/ goldstripe sardinella	193,358	5,134,643,750	-
24	Tenggiri	Narrow-barred Spanish mackerel	644,928	4,870,883,750	-
25	Tenggiri papan	Indo-Pacific king mackerel	195,268	5,887,214,000	-
26	Tetengkek	Torpedo scad	137,356	1,996,884,750	-
27	Tongkol/Lisong	Bullet tuna	131,354	1,540,033,500	-
28	Gabus laut	-	15,616	148,081,500	-
29	Ikan lainnya	Others	260,757	1,828,992,000	-

Table 19.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang barong	Spiny lobster	8,565	581,553,550	-

FISHERIES INDUSTRIES

About 14 fisheries companies are in Sungailiat port area, excluding the other fisheries companies in Bangka Island and its surroundings beyond port area.

Table 19.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	(7 Orang Penyewa)	Canteen/food stall	234
2	Ali Johan	Fish collecting storage	500
3	Budi	Fish collecting storage	117
4	H. M. Aras	Fish collecting storage	200
5	Hendri Thamrin	Premium & diesel fuel agent	800
6	Josep	Fish collecting storage	150
7	KPL "Serba Guna"	BAP shop	324
8	Makkuasa Nagga	BAP shop	102
9	Mamat K.	Fish collecting storage	78
10	Pedagang ikan	Fish market (60 stands)	1,880
11	PEMDA	Ice factory	720
12	Pemda Bangka	Cold storage building	1,340
13	PT. Alwi Assegaf	Ice factory	1,000
14	PT. Mansurano Utama	Ice factory	2,820
15	PT. Tirta Intan	Block ice factory	24
TOTAL AREA			10,289

FISHING VESSELS

All boats that domicile and operate in Sungailiat fishing port are fishing vessels with various capacities.

Table 19.7. Number of domicile by size of Fishing Vessel in Sungailiat AFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)					
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	> 200 GT
2001	249	-	-	-	-	-
2002	253	-	-	-	-	-
2003	253	-	-	-	-	-
2004	279	-	-	-	-	-
2005	284	-	-	-	-	-
2006	292	-	-	-	-	-
2007	639	10	-	-	-	-
2008	1,271	11	-	-	-	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 19.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	10	6	4
Kerosene	1	0.5	0.5
Water	10	3	7
Ice	20	13	17

ECONOMIC CYCLE

The average number of worker and circulation money in Sungailiat fishing port are as follow :

Table 19.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	2,191	45,141,021

FIGURES

A. Main Facilities



Port pond



Pier



Drainage



Complex road

B. Functional Facilities



Administration office



SPDN



Ice factory



Auction hall

C. Supporting Facilities



Fisherman meeting building



Fisherman housing



Shops



Processing industry

D. Activities



Mooring activities



Activities in auction hall



Activities in fish market



Loading for distribution



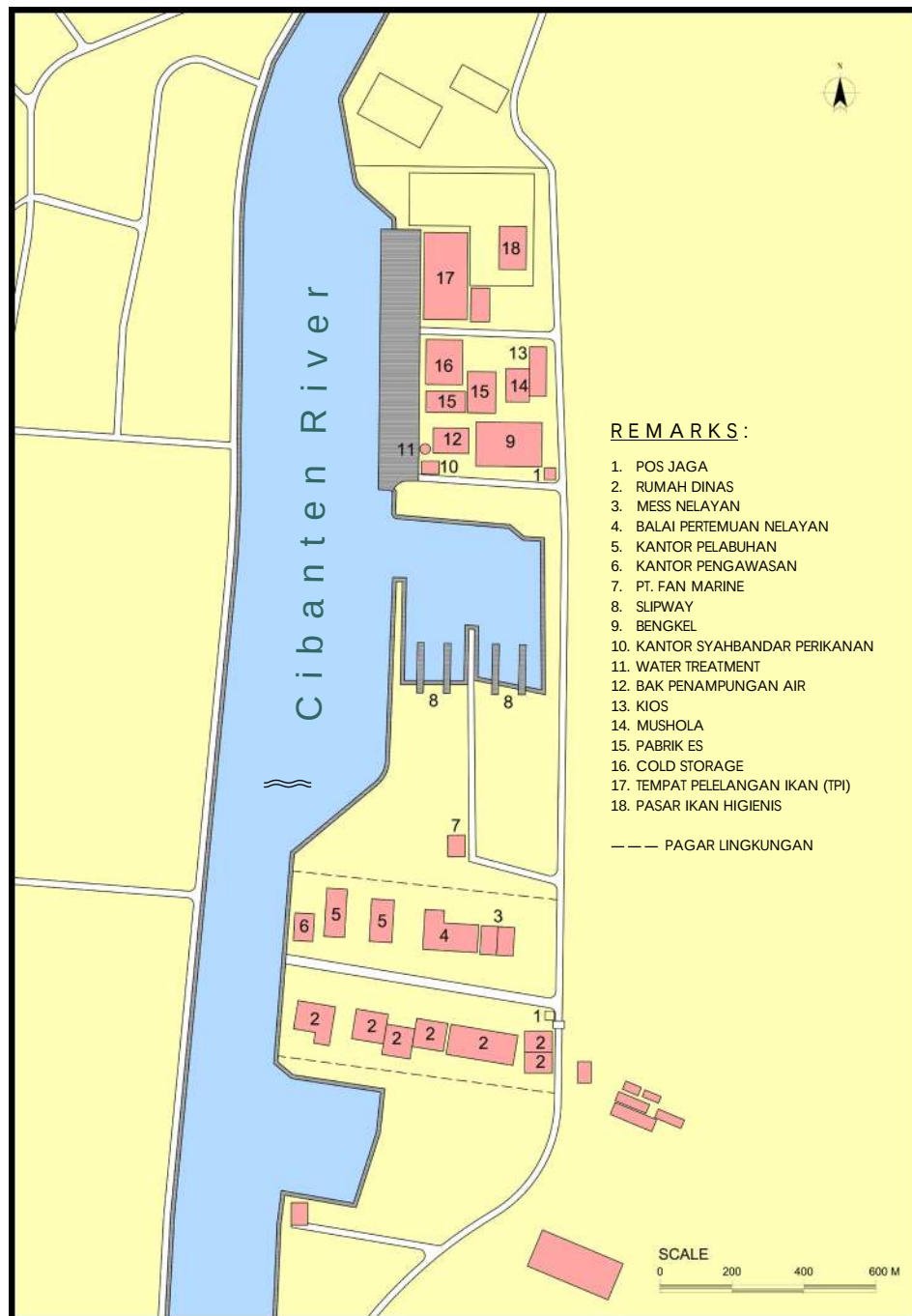
20

Karangantu COASTAL FISHING PORT BANTEN

GENERAL INFORMATION

- | | |
|-------------------------|---|
| a. Name | : KARANGANTU |
| b. Classification | : Coastal Fishing Port |
| c. Address | : Jl. Banten Karangantu - Serang
Banten PO. Box 23 |
| d. Phone | : (0254) 202132 |
| e. Fax | : (0254) 202132 |
| f. E-mail | : pppkarangantu@yahoo.com |
| g. Website | : www.pipp.dkp.go.id |
| h. Head of Fishing Port | : Suprpto, A.Pi, M.M |

Layout of Karangantu CFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Serang City	1,734.09	1,786,223 (2006)	1.25 (2006)	12,603,637 (2006)	12.61 (2006)	Statistics - Indonesia 2008
Banten	9,018.64	9,224,000 (2006)	2.19 (2006)	84,622,288 (2005)	14.80 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

a. River/Bay/Beach	:	Cibanten River
b. Province	:	Banten
c. Regency/City	:	Serang
d. District	:	Kasemen
e. Village/Sub-District	:	Banten
f. Geographic Position	:	<u>06° 01' 44" S Latitude</u> 106° 09' 51" E Longitude
g. Distance Toward		
- Capital City of Province	:	15 Km
- Capital City of Regency/City	:	15 Km
- District	:	5 Km
- Airport	:	100 Km (Soekarno Hatta Airport)
- Other Port	:	40 Km (Merak Port)

Karangantu Fishing Port is one of the particular coastal fishing ports in Banten Province in north coast of Java. This port has area of 3 Ha. Facilities in this fishing port are as below:

Table 20.1. Facilities in Karangantu CFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	3	Ha
2	Port pond	50	Ha
3	Pier-1	300	m ²
4	Revetment/turap	700	m
5	Complex road	2,430	m ²
6	Breakwater	550	m
7	Water depth	-2	m
B	FUNCTIONAL FACILITIES		
1	Administration office	375	m ²
2	Arthesis/drill well	2	unit
3	Auction hall (TPI)	450	m ²
4	Drill well building	2	unit
5	Fisheries supervision post	18	m ²
6	Fishermen meeting hall	125	m ²
7	Genset	559	KVA
8	Ice storage	240	m ²
9	Navigation sign	1	unit
10	Repair station	150	m ²
11	Supervision office	18	m ²
12	Telecommunication	2	unit
13	Water tank	150	m2

NO	FACILITIES	VOLUME	UNIT
14	Water tank	8	m ³
15	Water tower and installation	8	m ²
16	Water treatment	1	unit
C	SUPPORTING FACILITIES		
1	2 wheels vehicle	7	unit
2	4 wheels vehicle	2	unit
3	BAP shops	16	m ²
4	Car garage	25	m ²
5	CCTV	1	unit
6	Fisherman shelter	1	unit
7	Official house	375	m ²
8	Operator guest house	8	unit
9	SSB Radio	2	unit

Indicators of various operational activities in this fishing port, such as numbers of fisherman, fishing gears and fishing activities, are as follow:

Table 20.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	910	633	-	-	-
2002	885	570	-	-	-
2003	915	667	-	2,200	-
2004	942	297	-	1,080	295
2005	945	281	-	1,815	-
2006	973	283	-	7	-
2007	1,195	307	1,203	2,241	228

Table 20.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Unit)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
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
2007	19,255	2,219	13,505,133	6,080

DOMINANT PRODUCT

Table 20.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Beloso	Greater lizard fish	45,000	169,222,000	3,716
2	Cumi-cumi	Common squids	117,000	2,014,277,000	17,144
3	Kembung	Short-body mackerel	216,000	2,091,895,000	9,673
4	Kurisi	Ornate threadfin bream	161,000	568,035,000	3,526
5	Layur	Hairtails	84,000	466,868,000	5,542
6	Peperek	Pony fishes/sleep mouth	500,000	1,073,859,000	2,147
7	Rajungan	Swimming crab	50,000	951,257,000	18,890
8	Selar	Trevallies	129,000	609,423,000	4,714
9	Tembang	Fringe scale sardinella/ goldstripe sardinella	304,000	961,264,000	3,165
10	Teri	Anchovies	173,000	1,105,552,000	6,391

Table 20.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang putih	Banana prawn	3,000	122,955,000	39,843
2	Udang lainnya	Other shrimps	11,000	30,477,000	2,778

FISHERIES INDUSTRIES

There is 1 fisheries company/business units in this area, excluding the other fisheries companies along north coast of Java around Serang beyond port area.

Table 20.6. Fisheries Company

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	PT. Fan Marine Shipyard	Docking	7,420
TOTAL AREA			7,420

FISHING VESSELS

All boats that domicile and operate in Karangantu fishing port are fishing vessels with various capacities.

Table 20.7. Number of domicile by size of Fishing Vessel in Karangantu CFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	105	27	-	-	-	-	-
2002	117	31	-	-	-	-	-
2003	120	35	-	-	-	-	-
2004	146	118	2	-	-	-	-
2005	154	105	1	-	-	-	-
2006	106	-	1	-	-	-	-
2007	132	-	1	-	-	-	-
2008	116	15	-	1	-	-	-

LOGISTICS

Table 20.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	20	3	17
Kerosene	-	-	-
Water	9	3	6
Ice	43	9	34

ECONOMIC CYCLE

Table 20.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	348	28,591,534

FIGURES

A. Main Facilities



Pier



Port pond



Bolder



Complex road

B. Functional Facilities



Administration office



Auction hall (TPI)



Fuel tank



Port gate

C. Supporting Facilities



Fisherman meeting building



21

Teluk Batang

COASTAL FISHING PORT WEST KALIMANTAN

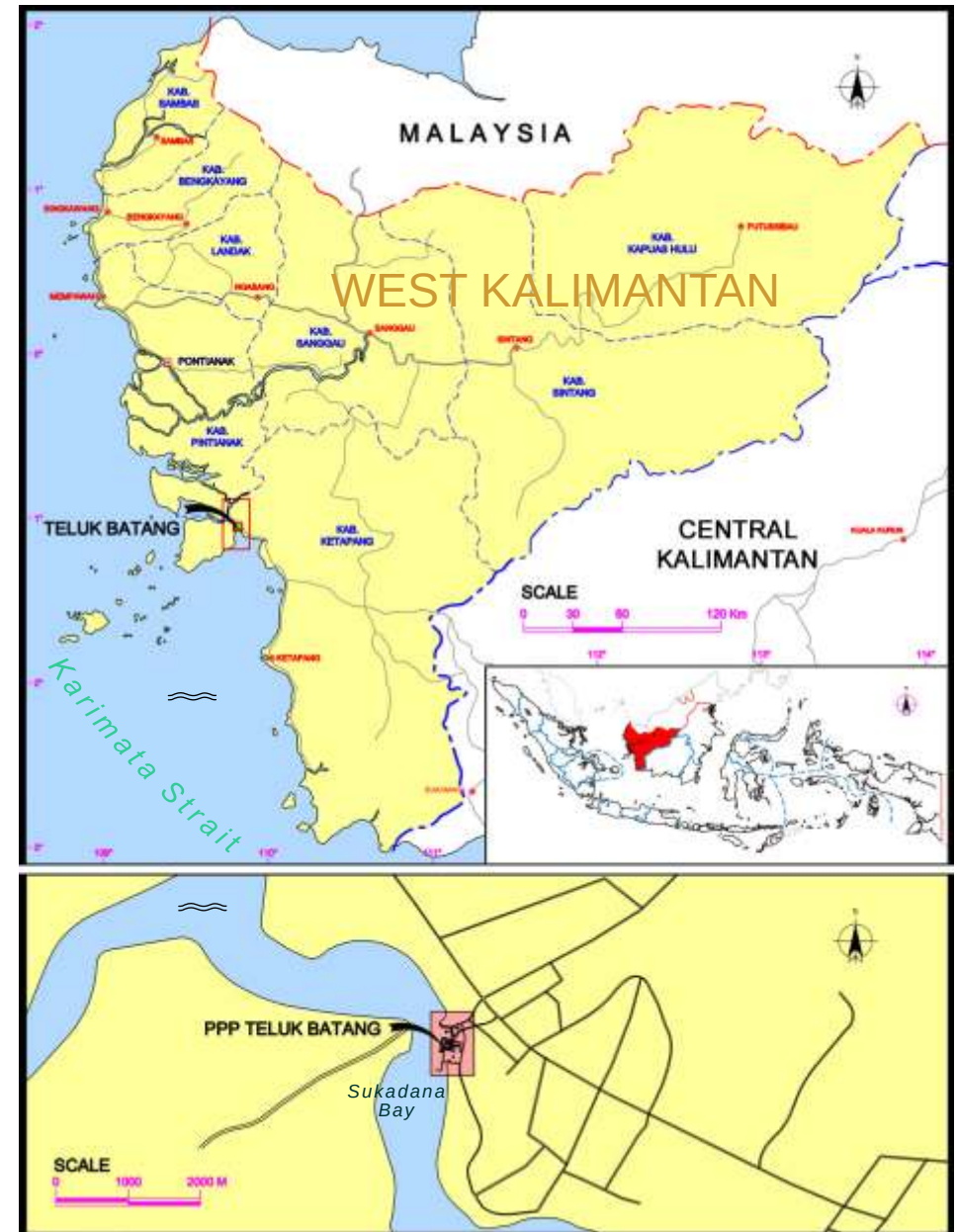
GENERAL INFORMATION

a. Name	: TELUK BATANG
b. Classification	: Coastal Fishing Port
c. Address	: Jl. Pelabuhan Teluk Batang Kec. Teluk Batang Kab. Kayong Utara Kalimantan Barat 78856
d. Phone	: (0812) 5626928
e. Fax	: (0812) 5609949
f. Website	: www.pipp.dkp.go.id
g. Head of Fishing Port	: Zaharuddin KS., A.PI

Layout of Teluk Batang CFP



Map of Port Access and Its Surrounding Areas



Location (City/Province)	Area (Km ²)	Total Population (Person)	Population Growth/Year (%)	GRDP at Current Price/Year(Million)	GRDP Growth /Year (%)	Source
Ketapang	35,809.00	493,625 (2007)	1.40 (2007)	3,890,804 (2006)	10.80 (2006)	Statistics - Indonesia 2008
West Kalimantan	120,114.32	4,118,000 (2006)	0.42 (2006)	33,742,468 (2005)	13.74 (2005)	(BPS Catalogue)

GRDP : Gross Regional Domestic Product

ENVIRONMENTAL CONDITION

- a. River/Bay/Beach : Malacca Straits
 b. Province : West Kalimantan
 c. Regency/City : Kayong Utara
 d. District : Teluk Batang
 e. Village/Sub-District : Teluk Batang
 f. Geographic Position : 01° 46' 20" S Latitude
 109° 46' 10" E Longitude
 g. Distance Toward
 - Capital City of Province : 360 Km
 - Capital City of Regency/City : 50 Km
 - District : 1 Km
 - Airport : 132 Km (Rahadi Oesman -Ketapang)
 - Other Port : 100 Km (ASDP Teluk Batang Port)

FACILITIES

Teluk Batang Fishing Port is the coastal fishing port in West Kalimantan Province, facing Malacca Straits. This port has an area of 7 Ha, with facilities as following:

Table 21.1. Facilities in Teluk Batang CFP, Year 2008

NO	FACILITIES	VOLUME	UNIT
A	MAIN FACILITIES		
1	Port area	7	Ha
2	Pier-1	480	m ²
3	Jetty	1,476	m ²
4	Complex road	1,782	m ²
5	Retaining wall	100	m ²
6	Water depth	-6	m
B	FUNCTIONAL FACILITIES		
1	Administration office	150	m ²
2	Auction hall (TPI)	450	m ²
3	Electricity	1,300	KVA
4	Fishermen meeting hall	152	m ²
5	Fuel tank	200	m ³
6	Genset	187	KVA
7	Genset house	50	unit
8	Ice factory	33	ton/day
9	Ice storage	54	m ²
10	Parking area	6,300	m ²
11	Port Officer office	72	m ²
12	Repair station	270	m ²
13	Slipway	60	m ²
14	Water tank	50	m ³

NO	FACILITIES	VOLUME	UNIT
15	Water tower and installation	1	unit
16	Winch house	54	m ²
C	SUPPORTING FACILITIES		
1	Employer House	120	m ²
2	Guest House	150	m ²
3	Official House	70	m ²
4	Operator Housing	150	m ²

OPERATIONAL DATA

The various operational activities of Teluk Batang, such as the number of fisherman, fishing gears and fishing activities, are as follow:

Table 21.2. Fisherman, Fishing Gear and Distribution of Supplies, Year 2001-2007

YEAR	FISHERMAN (Person)	FISHING GEAR (Unit)	DISTRIBUTION (Ton)		
			FUEL	ICE	WATER
2001	6,104	1,368	-	75	-
2002	2,392	759	312	37	-
2003	1,159	684	-	27	-
2004	1,143	596	258	35	633
2005	578	227	650	282	394
2006	669	258	939	550	553
2007	789	290	428	789	1,696

Table 21.3. Fishing Activities, Fish Production and Value, Year 2001-2007

YEAR	BOAT VISIT (Time)	FISH		PRODUCTION PER DAY (Kg)
		PRODUCTION (Ton)	VALUE (Rp 1,000)	
2001	1,736	724	1,601,000	2,011
2002	845	349	3,041,810	969
2003	369	397	3,241,600	1,103
2004	421	35	37,649,900	96
2005	738	282	2,665,051	785
2006	1,707	550	5,958,222	1,529
2007	1,758	558	5,605,030	1,549

DOMINANT PRODUCT

Short body mackerel is the dominant fish. Short body mackerel and threadfins are highest economical value in Telukbatang CFP. The lowest price is white spotted spinefoot.

Table 21.4. Dominant Fish, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Cucut botol	Dogfish shark	3,375,000	27,018,000	8,000
2	Gulamah/tigawaja	Croaker	48,786,000	225,513,000	4,600
3	Kembung	Short-body mackerel	88,177,000	1,179,962,000	13,000
4	Kitong/beronang lingkis	White-spotted spinefoot	8,808,000	32,147,000	3,600
5	Kuro/senangin	Threadfins	9,513,000	124,730,000	13,000
6	Manyung	Giant catfish	44,615,000	370,668,000	8,300
7	Pari burung	Eaglerays	8,212,000	39,769,000	4,800
8	Selanget	Chacunda gizardshad	25,613,000	103,523,000	4,000
9	Tembang	Fringe scale sardinella/ goldstripe sardinella	31,957,000	218,234,000	6,800
10	Tongkol komo	Eastern little tuna	7,305,000	84,152,000	11,500

Table 21.5. Dominant Shrimp, Year 2007

NO	NAME OF SPECIES (Indonesia)	NAME OF SPECIES (English)	TOTAL VOLUME (Kg)	TOTAL VALUE (Rp)	AVERAGE PRICE (Rp/Kg)
1	Udang krokok	Tiger cat shrimp/ rainbow shrimp	41,390,000	571,897,000	13,800
2	Udang putih	Banana prawn	20,643,000	257,875,000	12,400
3	Udang wongkong	-	25,870,000	559,423,000	21,600

Tiger cat shrimp is dominant shrimp, banana prawn is the highest price.

FISHERIES INDUSTRIES

About 3 fisheries companies are in Teluk Batang port area, such as shown below :

Table 21.6. Fisheries Companies

NO	FISHERIES COMPANIES (Tenant)	MAIN ACTIVITY (Type of Business)	AREA (m ²)
1	Aphiau/KUD Gunung Tujuh	Fuel selling	80
2	KPN. Mina Bahari	Heaping on goods	400
3	Perdaus Haidir	Collector	200
TOTAL AREA			680

FISHING VESSELS

All boats that domicile and operate in Teluk Batang fishing port are fishing vessels with various capacities.

Table 21.7. Number of domicile by size of Fishing Vessel in Teluk Batang CFP, Year 2001-2008

YEAR	FISHING VESSELS (Unit)						
	< 10 GT	10-20 GT	20-30 GT	30-50 GT	50-100 GT	100-200 GT	> 200 GT
2001	62	-	-	-	-	-	-
2002	63	-	-	-	-	-	-
2003	63	-	-	-	-	-	-
2004	63	-	-	-	-	-	-
2005	46	-	-	-	-	-	-
2006	46	-	-	-	-	-	-
2007	389	-	-	-	-	-	-
2008	389	-	-	-	-	-	-

LOGISTICS

Logistic supplies such as fuel/ diesel fuel, kerosene, water and ice are as follow :

Table 21.8. Logistic Variable and Supply, Year 2008

SUPPLY	DEMAND (Ton/Day)	FULFILLED (Ton/Day)	SHORTAGE (Ton/Day)
Fuel/Diesel fuel	1	1	-
Kerosene	0.5	0.5	-
Water	0.5	0.5	-
Ice	2	1	1

ECONOMIC CYCLE

The average number of worker and average circulation money in Teluk Batang fishing port are as follow :

Table 21.9. Economic Cycle, Year 2007

YEAR	AVERAGE NUMBER OF WORKER (Person/Day)	AVERAGE CIRCULATION MONEY (Rp/Day)
2007	60	20,000,000

FIGURES

A. Main Facilities



Pier



Bolder



Water reservoir



Fuel tank



Port pond



Complex road

B. Functional Facilities



Administration office



Auction hall (TPI)

C. Supporting Facilities



Fisherman meeting building



Guest house

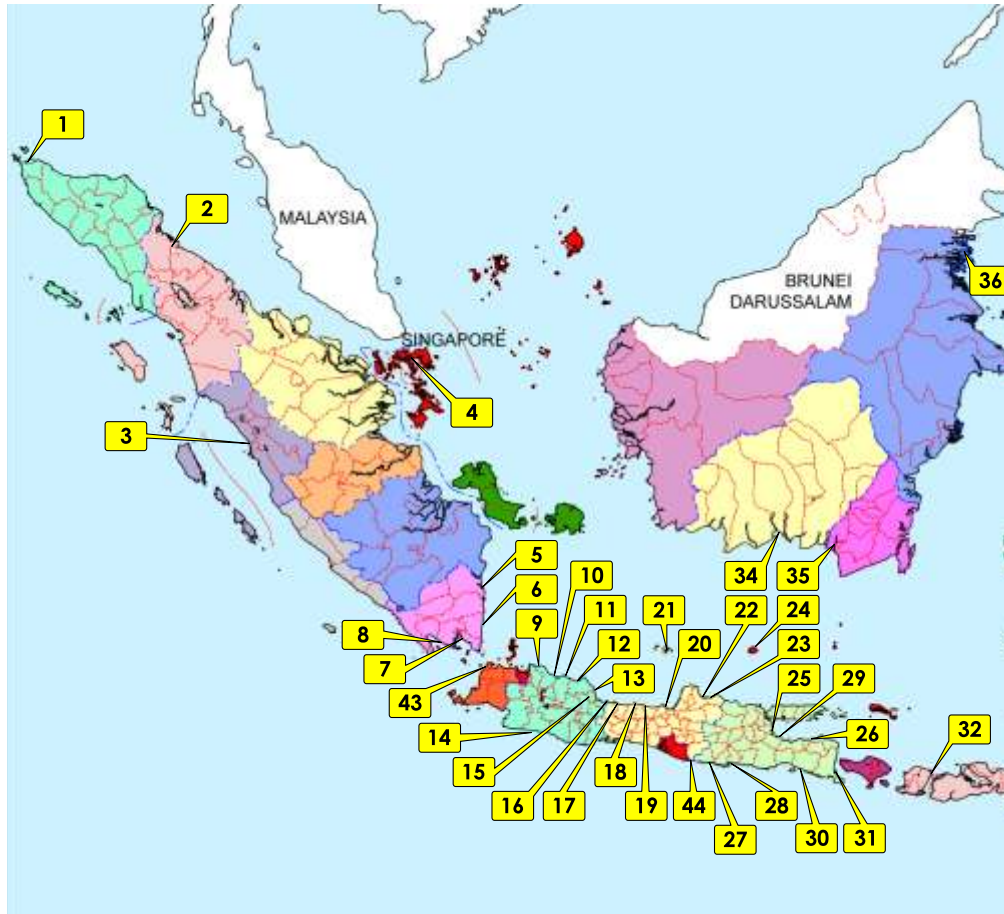


Guardian post



Port gate

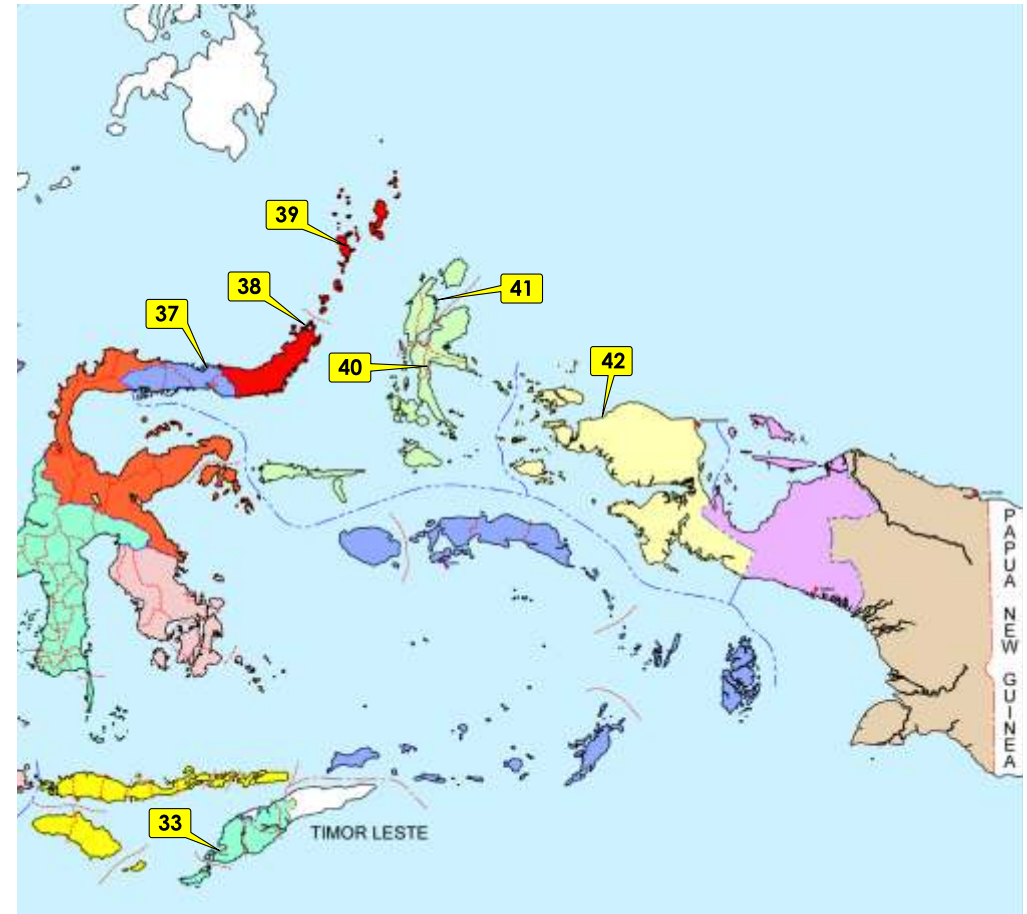
DISTRIBUTION OF FISHING PORTS UNDER LOCAL



NO	PORT
1	Lampulo - Banda Aceh
2	Pulau Tello - Medan
3	Sikakap - Padang
4	Tarempa - Riau Islands
5	Teladas - Tulang Bawang
6	Lab. Maringgai - Lampung
7	Lempasing - Bandar Lampung
8	Kota Agung - Tanggamus
9	Ciparage - Karawang
10	Blanakan - Subang
11	Muara Ciasem - Subang

NO	PORT
12	Eretan - Indramayu
13	Bondet - Cirebon
14	Cilautereun - Garut
15	Tegalsari - Tegal
16	Asemdayong - Pemalang
17	Wonokerto
18	Klidang Lor - Batang
19	Tawang - Kendal
20	Morodemak - Demak
21	Karimunjawa
22	Bojomulyo - Pati

GOVERNMENT (COASTAL FISHING PORTS)



NO	PORT
23	Tasik Agung - Rembang
24	Bawean
25	Lekok - Pasuruan
26	Paiton - Probolinggo
27	Labuhan Maringgai
28	Pondok Dadap
29	Mayangan - Probolinggo
30	Puger - Jember
31	Muncar - Banyuwangi
32	Labuhan Lombok
33	Kupang

NO	PORT
34	Hantipan - Sampit
35	Banjarmasin
36	Tarakan
37	Kwandang - Gorontalo
38	Tumumpa - Manado
39	Dagho - Sangir Talaud
40	Bacan - North Halmahera
41	Tobelo - South Halmahera
42	Sorong - Papua
43*	Labuhan - Banten
44*	Tamperan - Pacitan

FISHING PORTS UNDER LOCAL GOVERNMENT (COASTAL FISHING PORTS)

Despite 21 fishing ports managed and develop directly by DGCF, most of the fishing ports are managed by local government which mostly coastal fishing ports. Number of Coastal Fishing Ports (PPP) in Indonesia until 2007 are 48 PPPs, where 4 of them are managed directly by DGCF (as described previously). The distribution of PPPs managed by the local governments as shown in map of DISTRIBUTION OF FISHING PORTS UNDER LOCAL GOVERNMENT (COASTAL FISHING PORTS). While, the respective addresses of each PPP can be seen in the following table.

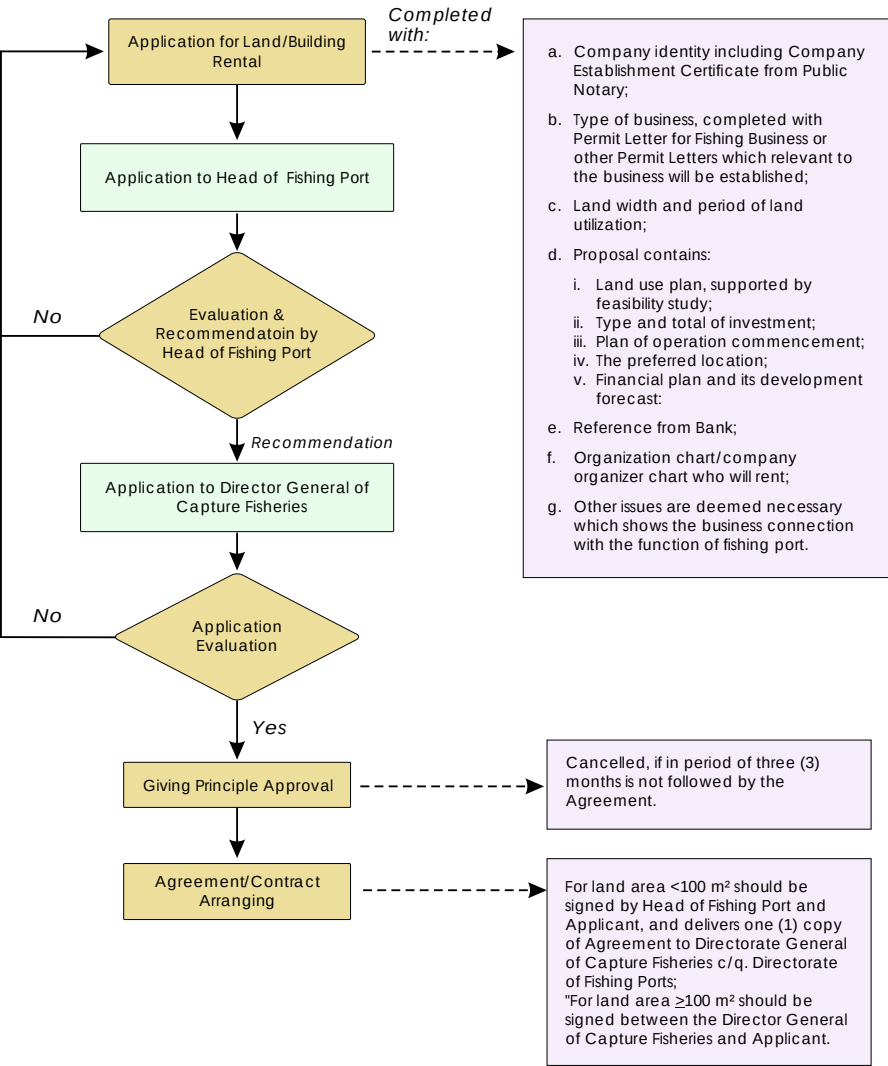
Fishing Ports Managed by Local Government

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 (751 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

NO	NAME OF PORT	ADDRESS
12	PPP Bawean	Jl. Pedoman Sangkapura - Bawean
13	PPP Sorong	Jl. Jenderal Ahmad Yani PO. BOX 165 - Sorong Telp. 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
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 Gempolsek 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 Panambuung 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

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 that is party revised 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
1	Land Rental					
A	Development Charge	Per m ² /year	1,200	1,200	1,200	1,200
B	Donation Charge for Infrastructure Maintenance		800	800	700	600
2	Building Rental					
A	Temporary Building	Per m ² /year	3,000	3,000	3,000	3,000
B	Semi Permanent Building	Per m ² /year	6,000	6,000	6,000	6,000
C	Permanent Building	Per m ² /year	8,000	8,000	8,000	8,000
3	Water Tank & Installation	Per ton/sold	1,000	1,000	1,000	1,000
4	Fuel Tank & Installation	Per m ³ /filling volume	3,000	3,000	3,000	3,000
5	Anchoring/ landing cost					
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 of all sizes	Per meter of boat length/¼ etmal	250	250	250	250
	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
	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

NO	KIND OF TARIFF	UNIT	TARIFF (Rp)			
			Nizam Zachman	PPS	PPN	PPP
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
6	Equipment					
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 up to 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 up to 15 GT	Per hour	11.000	11.000	11.000	11.000
	c. 15 up to 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 ³	4.500	4.500	4.500	4.500
C	Tug Boat Service					
	a. Up to 60 PK	Per hour	30.000	30.000	30.000	30.000
	b. > 60 up to 150 PK	Per hour	50.000	50.000	50.000	50.000
	c. > 150 up to 250 PK	Per hour	75.000	75.000	75.000	75.000
	d. > 250 up to 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 ² /width of advertisement board/month	25.000	25.000	25.000	25.000

NO	KIND OF TARIFF	UNIT	TARIFF (Rp)			
			Nizam Zachman	PPS	PPN	PPP
7	Service of Port Cleanliness					
	1. Closed permanent building	Per m ² /month	1.000	50	50	50
	2. Office/shopping complex	Per m ² /month	1.500	50	50	50
	3. Fish storage/fish auction place	Per m ² /month	1.000	50	50	50
	4. Fish marketing place	Per m ² /month	15.000	100	100	100
	5. Fish packing place	Per m ² /month	30.000	-	-	-
	6. Food stall/kiosk	Per m ² /month	15.000	100	100	100
8	Service of Installation of Waste Water Processing (basic price)	Per m ³	1.500	1.500	1.500	1.500

Remarks:

- PPS = Pelabuhan Perikanan Samudera (Oceanic Fishing Port)
- PPN = Pelabuhan Perikanan Nusantara (Archipelagic 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 commercilly by Perum (public enterprise) and are decided rental costs more expensive.

LAND USE FOR FISHERIES INDUSTRY IN FISHING PORTS

FISHING PORT	AREA FOR INDUSTRY (m ²)	LAND HAS BEEN UTILIZED (m ²)	REMAINING LAND (m ²)
PPS NIZAM ZACHMAN JAKARTA	400,000	400,000	0
PPS KENDARI	377,000	110,396	266,604
PPS BELAWAN	326,900	266,767	60,133
PPS BUNGUS	75,000	8,022	66,978
PPS CILACAP	127,304	47,442	79,862
PPS BITUNG	23,418	12,891	10,527
PPN SIBOLGA	120,300	73,000	47,300
PPN TANJUNGPANDAN	25,277	25,277	0
PPN PALABUHANRATU	102,970	78,134	24,836
PPN KEJAWANAN	129,000	24,833	104,167
PPN PEKALONGAN	30,000	22,500	7,500
PPN BRONDONG	29,000	1,000	28,000
PPN PRIGI	78,000	45,000	33,000
PPN PEMANGKAT	30,000	4,610	25,390
PPN TERNATE	20,000	9,175	10,825
PPN AMBON	17,400	16,142	1,258
PPN TUAL	162,400	102,400	60,000
PPN PENGAMBENGAN	52,000	16,400	35,600
PPN SUNGAILIAT	7,541	7,367	174
PPP KARANGANTU	9,520	7,420	2,100
PPP TELUK BATANG	65,981	18,022	47,959

GRATITUDE

We wish to thank to Dr. Ir. Ali Supardan, M.Sc., Dr. Ir. Dedy Heryadi Sutisna, M.S., Ir. Parlin Tambunan, Ir. Saifuddin, MMA., Ir. Whisnu Haryati, Ir. Toto Juharto, MM., Ir. Abdur Rouf Sam, M.Si., Ir. M. Zaini Hanafi, MM., Ir. Siti Kamarijah, M.Si., Sarwono, A.Pi., Ir. Andi Soesmono, MEM., Ir. Yunisdianti, MM., all Head Master of Fishing Ports (Technical Implementation Unit) and their Staffs; and also all Directorate of Fishing Ports Staffs who concern to Fishing Ports.

EDITORIAL TEAM MEMBERS

- ◆ Mr. Isao KOYA (JICA Expert for Enhancement of Marine and Fisheries Administration under the Decentralization Project)
- ◆ Mr. Sadao ORISHIMO, Advisor (Oriental Consultants Co. Ltd.)
- ◆ Mr. Hary Christijanto, A.Pi, MSc. (Head of Program Cooperation Sub-Division, Program Division, Directorate General of Capture Fisheries)
- ◆ Mr. Ir. Hendrawan, MM (Head of Section of Preparation and Identification of Fishing Port, Directorate of Fishing Port, Directorate General of Capture Fisheries)
- ◆ Mr. Ir. Iskandar Zulkarnain, MM (Head of Administration Division, Directorate of Fishing Port, Directorate General of Capture Fisheries)
- ◆ Mr. Budiman Sihite, B.Sc (Staff of Administration Division, Directorate of Fishing Port, Directorate General of Capture Fisheries)
- ◆ Mrs. Herdiana Mutmainah, ST (Staff of Preparation and Identification of Fishing Port, Directorate of Fishing Port, Directorate General of Capture Fisheries)
- ◆ Mrs. Indriani, S.S (Secretary of JICA Expert)
- ◆ Ms. Dina M. Widowati (JICA Staff)
- ◆ Mr. Mochamad Akur Arifin, S.Pi (PT. SUTIO IWA)
- ◆ Mr. Ir. Haridijatno Soetarmo, MM (PT. SUTIO IWA)
- ◆ Mr. Sony Rosano (PT. SUTIO IWA)
- ◆ Mr. Yeyen Kurniawan, S.Pi (PT. SUTIO IWA)
- ◆ Mr. Ir. Irwan Wahidin (Staff Oriental Consultants Co. Ltd.)