



**Establishment and Operation of a Regional System of Fisheries Refugia in
the South China Sea and Gulf of Thailand**

**REPORT
HANDOVER OF ACADEMIC DRAFT FISHERIES REFUGIA
OF PENAEID SHRIMP IN THE COAST OF
WEST KALIMANTAN PROVINCE**

Pontianak, September 14th 2022



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**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT**



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HANDOVER OF ACADEMIC DRAFT FISHERIES REFUGIA OF PENAEID SHRIMP IN THE COAST OF WEST KALIMANTAN PROVINCE

Objective of the Meeting

Academic Draft Fisheries Refugia of Penaeid Shrimp in The Coast of West Kalimantan Province is a scientific study document as material for drafting the government regulations, and it's expected to be one of the solutions to overcome problems related to shrimp fisheries management. The Academic Draft was submitted to the West Kalimantan Provincial Government to be adopted for producing policy and regulation regarding integrated fisheries and habitat management.

Time and Venue

The meeting was held on September 14th 2022, at the Swiss-Belhotel, Pangkal Pinang City, West Kalimantan.

Meeting Notes

1. The meeting began with a report from the Head of the Research Institute for Fish Resource Enhancement (RIFRE) as the National Focal Point, Ir. Iswari Ratna Astuti. She appreciated the team for their hard work in completing the academic draft fisheries refugia document which is part of the output of fisheries refugia activities in Indonesia. Today's meeting was held to submit an Academic Draft Fisheries Refugia of Penaeid Shrimp in The Coast of West Kalimantan Province to the Departement of Maritime Affairs and Fisheries of West Kalimantan Province.
2. The meeting was attended by 39 participants, 11 of whom were women. Meeting participants are stakeholders from central government, regional government, village government, fisherman representatives, universities and research institutions (Annex 1).
3. The meeting was opened by the Head of the Fisheries Research Center, Yayan Hikmayani, S.Pi., M.Si. She emphasized that fisheries refugia is one of the supports in the existing management and conservation plan. This area is not a prohibited area for fishing, but can still be used sustainably. This academic draft can become content in draft legislation both at the regional and national levels, and can be implemented in West Kalimantan, as well as adapted to other locations that have similar location characteristics.
4. Departement of Maritime Affairs and Fisheries of West Kalimantan Province, Herti Herawati, welcomed this meeting. She stated that the results of this activity could also be implemented to support the management of existing conservation areas. Support from other stakeholders is urgently needed due to limited human and financial resources. Departement of Maritime Affairs and Fisheries of West Kalimantan Province, does not provide recommendations for permits for activities that are feared to damage the environment, such as mining activities. She also raised the challenge of low public awareness of the importance of regulating fishing activities. The absence of other livelihood options for fishermen at the closing time and location of fishing is also a problem that must be found a solution together.
5. In this meeting, RIFRE presented a video about Fisheries Refugia of Penaeid Shrimp in The Coast of West Kalimantan Province. The video is the summary of Penaeid Shrimp in The Coast of West Kalimantan Province and contains recommendations for management steps which must be carried out next.
6. Recommendations in Academic Drafts
 - 1) The potential candidate for the penaeid shrimp refugia area in West Kalimantan with a spatial area of 409,432 ha which includes the sea of Padang Tikar, Delta Pawan, Teluk Batang and Dusun Besar.
 - 2) Make efforts to control shrimp catching through:
 - a. Reduce by 20% the number of currently active lampara and trammel net units;

- b. Rearranging the location of sedentary fishing gear (jermal, sero, and ambai);
 - c. Closing the shrimp fishing season (closed season) in November and December.
- 3) Managing shrimp habitat through improving the habitat of penaeid shrimp by rehabilitating mangrove forests, increasing public awareness about environmentally friendly shrimp fishing methods, protecting shrimp habitat, and rearranging sea and river transportation routes in fisheries refugia areas.
- 4) Carry out efforts to develop social, economic, and community institutions which include:
 - a. Improving the quality of data collection for penaeid shrimp fisheries
 - b. Frequent socialization and supervision of the implementation of regulations that have been set.
 - c. Increasing the active role of community institutions
 - d. Forming Community Monitoring Groups
 - e. Preserving local wisdom
 - f. Manage a better and scheduled BBM distribution process.
- 5) Regulate permits for the use of sea space including:
 - a. Regulating permits for the utilization of sea space for fishermen (including local communities) with permanent fishing gear, based on Government Regulation Number 21 of 2021 concerning Implementation of Spatial Planning.
 - b. Submit approval for conformity of marine space utilization activities (PKKPRL) according to Minister of Maritime Affairs and Fisheries Regulation Number 28 of 2021.
- 6) Monitoring the management of shrimp fisheries refugia which is carried out every 3 (three) years, accompanied by evaluation every 6 (six) years since it is established.
- 7. Academic Draft of Fisheries Refugia of Penaeid Shrimp in The Coast of West Kalimantan Province was handed over by the Head of the Fisheries Research Center, Ministry of Marine Affairs and Fisheries (MMAF) to the Head Departement of the Maritime Affairs and Fisheries of the Bangka Belitung Province with the Handover Number B.1333/BRSDM.3/RSDM.312/IX/2022.
- 8. On this occasion, the Head of the Fisheries Research Center also gave Map of fisheries refugia area candidates to the Head Department of the Marine and Fisheries of Bangka Belitung Province. The Head of the Fisheries Research Center also gave the copy of Academic draft to the Head Departement of Fisheries North Kayong Regency, Head Departement of Fisheries Kubu Raya Regency, Head Departement of Fisheries Ketapang Regency, Head Departement of Food Security and Fisheries Ketapang Regency, and Head Departement of Regional Planning Agency West Kalimantan Province. The meeting was closed with a photo session.

Annex 1. List of Participants

No	Name	Sex	Institution
1	Iswari Ratna A	F	Research Institute for Fish Resource Enhancement
2	Yayan Hikmayani	F	Center for Fisheries Research
3	Alza Rendian	M	Bureau for Public Relation and Foreign Cooperation
4	Herti Herawati	F	Marine and Fisheries Agency of West Kalimantan Province
5	Nendar S	M	Fisheries Agency of Kayong Utara
6	Toni Ruchimat	M	Ministry of marine Affairs and Fisheries of the Republic of Indonesia
7	Budi sanjaya	M	Development <i>Planning Agency</i> at Sub-National Level of West Kalimantan
8	Heri Purwanto	M	Marine and Fisheries Agency of West Kalimantan Province
9	D. Endi	M	Marine and Fisheries Agency of West Kalimantan Province
10	Mohd. Fahmiyuzar	M	Fisheries Agency of Kubu Raya District
11	Neis Zulaika	F	Fisheries Agency of Kayong Utara
12	Uti Anwar	M	Fisheries Agency of Ketapang
13	Bonis Andrei	M	Ministry of marine Affairs and Fisheries of the Republic of Indonesia
14	Nanang W	M	Research Institute for Fish Resource Enhancement
15	Erli	M	Marine and Fisheries Agency of West Kalimantan Province
16	M. Ghandi	M	Marine and Fisheries Agency of West Kalimantan Province
17	Kasrin	M	Association of Indonesian Fisherman of Kayong Utara
18	Deni Jepredi	M	Association of Indonesian Fisherman of Kubu Raya
19	Yussarman	M	Joint Business Group of Dusun Besar Village
20	Kusnadi	M	Joint Business Group of Padang Tikar Village
21	Muhardani	M	Joint Business Group of Suka Bangun Village
22	Maman firmansyah	M	Village Government of Dusun Besar

23	Zainal abidin	M	Village Government of Padang Tikar 2
24	Harun	M	Village Government of Suka Bangun
25	Mustamin	M	Fishery <i>Supervisory Community Group</i> of Dusun Besar
26	Aryansyah	M	Fishery <i>Supervisory Community Group</i> of Padang Tikar
27	Pabilah	M	Fishery <i>Supervisory Community Group</i> of Suka Bangun
28	Arie Antasari Kushadiwijayanto	M	Tanjung Pura University
29	Endang Sugiarti, S.St.Pi.	F	Marine and Fisheries Agency of West Kalimantan Province
30	Rahmawati, S.Pi.	F	Marine and Fisheries Agency of West Kalimantan Province
31	Dyah Ika Kusumaningtyas, S.Si.	F	Research Institute for Fish Resource Enhancement
32	Aris Budiarto, S.Pi., M.Si.	M	Ministry of marine Affairs and Fisheries of the Republic of Indonesia
33	Dra. Adriani Sri Nastiti, M.S.	F	National Research and Innovation Agency
34	Masayu Rahmia Anwar Putri, S.Si., M.Si.	F	National Research and Innovation Agency
35	Astri Suryandari, M.Si.	F	Research Institute for Fish Resource Enhancement
36	Dwi Santoso	M	Research Institute for Fish Resource Enhancement
37	Aira Zata Ismah, S.Kel.	F	Fisheries Refugia Project
38	M. Frudy Eko	M	Politeknik Negeri Pontianak
39	Agus S	M	Politeknik Negeri Pontianak

Annex 2. Meeting Documentations







**KEMENTERIAN KELAUTAN DAN PERIKANAN
BADAN RISET DAN SUMBER DAYA MANUSIA
KELAUTAN DAN PERIKANAN**

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**BERITA ACARA SERAH TERIMA NASKAH AKADEMIK REFUGIA PERIKANAN
UDANG PENAID DI PESISIR KALIMANTAN BARAT**

Nomor : B.1333/BRSDM.3/ RSDM.312/IX/2022

Pada hari ini RABU tanggal EMPAT BELAS bulan SEPTEMBER tahun DUA RIBU DUA PULUH DUA yang bertanda tangan di bawah ini:

1. Nama : Yayan Hikmayani, S.Pi, M.Si.
Jabatan : Kepala Pusat Riset Perikanan, Badan Riset dan Sumber Daya Manusia Kelautan dan Perikanan, Kementerian Kelautan dan Perikanan
Alamat : Gedung Badan Riset dan Sumber Daya Manusia KP II Jalan Pasir Putih I, Ancol Timur, Jakarta Utara

Dalam hal ini bertindak untuk dan atas nama Pusat Riset Perikanan, Badan Riset Sumber Daya Manusia Kelautan dan Perikanan, Kementerian Kelautan dan Perikanan, dalam Berita Acara Serah Terima Naskah Akademik ini selanjutnya disebut sebagai **PIHAK PERTAMA**.

2. Nama : Ir. Herti Herawati, MMA.
Jabatan : Kepala Dinas Kelautan dan Perikanan Provinsi Kalimantan Barat
Alamat : Jalan Sutan Syahrir Nomor 16, Sungai Bangkong, Pontianak Kota, Kalimantan Barat

Dalam hal ini bertindak untuk dan atas nama Dinas Kelautan dan Perikanan Provinsi Kalimantan Barat, dalam Berita Acara Serah Terima Naskah Akademik ini selanjutnya disebut sebagai **PIHAK KEDUA**.

PIHAK PERTAMA dan **PIHAK KEDUA** menyatakan Setuju dan Bersepakat untuk mengadakan serah terima hasil kajian berupa Naskah Akademik Refugia Perikanan Udang Penaeid di Pesisir Kalimantan Barat sesuai kebutuhan dan untuk selanjutnya **PIHAK KEDUA** akan memanfaatkan Naskah Akademik tersebut sebagai pertimbangan dalam menyusun Kebijakan Pengelolaan Perikanan di Provinsi Kalimantan Barat.

Demikian Berita Acara ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

PIHAK PERTAMA



Yayan Hikmayani, S.Pi., M.Si.

PIHAK KEDUA



Ir. Herti Herawati, MMA.