



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

**REPORT**

**SITE-BASED FISHERIES REFUGIA MANAGEMENT BOARD  
MEETING: WEST KALIMANTAN PROVINCE**

VIRTUAL MEETING, AUGUST 22ND 2022

Prepared by:

Research Institute for Fish Resource Enhancement (RIFE)  
Agency of Marine and Fisheries Research and Human Resources (AMFRHR)  
Ministry of Marine Affairs and Fisheries (MMAF)

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**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER  
TRAINING DEPARTMENT**



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## **OBJECTIVE OF THE MEETING**

The purpose of the meeting was to present the assessment results of the fisheries refugia as draft academic manuscripts and to discuss the technical plan to deliver the academic manuscripts to the local government of West Kalimantan province.

## **MEETING NOTES**

### **Meeting Agenda**

#### **1. Welcome Speech from The Head of Research Institute for Fish Resource Enhancement/RIFRE as Implementing Unit of Fisheries Refugia Project (Ir. Iswari Ratna Astuti)**

Mrs. Iswari welcomed all participants and informed this meeting aims to disseminate the study result in West Kalimantan Province and also discussed the technical plan to hand over the academic manuscript to the provincial government in West Kalimantan Province. She expressed her welcome to all questions, comments, suggestions, and opinions, then officially opened the meeting.

#### **2. Presentation about Fisheries Refugia Project by National Scientific and Technical Committee Focal Point (Astri Suryandari, S.Si., M.Si)**

- Mrs. Astri presented the fisheries refugia activities targeted outputs. The outputs of this activity include fisheries refugia profiles, management plans, national guidelines, databases, publications, and coordination of stakeholders.
- She emphasized that fishery refugia-based management integrates fish resources and their habitats.

#### **3. Presentation about Fisheries Refugia Assessment Results in the coastal of West Kalimantan Province by PIC of Fisheries Refugia Project in West Kalimantan Province (Dra. Adriani Sri Nastiti, MS)**

- Mrs. Adriani informed the study area covered Kubu Raya Regency, North Kayong Regency, and Ketapang Regency.
- She pointed out that Penaeid Shrimp Refugia area determination is based on several parameters such as ecology, shrimp resources, mangrove conditions, suitability and delineation of the Refugia Zone, the socio-economic conditions of the community, and the support of stakeholders.
- She also presented the recommendation and management plan in the Penaeid Shrimp Refugia Zone. The recommended Penaeid shrimp fisheries refugia area is 4,094.32 km<sup>2</sup> or 409,432 hectares in Kubu Raya, North Kayong, and Ketapang Regencies.

#### **4. Discussions**

- Mrs. Astri (National Scientific and Technical Committee Focal Point) highlighted that West Kalimantan is one of the Penaeid Shrimp producers, and the status is currently fully exploited. The status may become over-exploited if proper management is not carried

out. She hoped that the recommendation from this activity can be adapted for shrimp fisheries management in West Kalimantan by adopting fisheries refugia-based management.

- Mr. Endy (Marine Affairs and Fisheries Department of West Kalimantan Province) stated that:
  - Fisheries refugia activity is relevant to local government policies, prioritizing the fishermen's profession so that it needs to be optimized. The authority for fishing regulations is under the district or city government. He proposed to add a carrying capacity value as a basis for a fishing permit in the capture fisheries zone.
  - Five conservation areas have been determined around West Kalimantan. The coordination to adopt the fisheries refugia concept must be carried out with the surrounding coastal villages, also supported by the district government. The village administration should inventories fishing gear used, assisted by the Marine Affairs and Fisheries Department at the district level. Later, it must be distinguished which fishery actors are from traditional communities which are facilitated by the province governance and which shrimp entrepreneurs must follow the Online Single Submission (OSS) (electronically integrated business licensing system managed and organized by the OSS Institution – the ministry of investment/investment coordinating agency).
  - Four community groups must be accommodated in fisheries management:
    - a. Fishers.
    - b. Surveillance groups.
    - c. Tourism awareness groups.
    - d. Indigenous and religious groups.
- Mr. Fahmi (Marine Affairs and Fisheries Department of Kubu Raya Regency) pointed out that information about the stock and population dynamics of the shrimp is not yet known. He expressed his hope that the results of the study can be disseminated to the community and considered in spatial planning, such as information about fishing time and location and spawning and nursery areas. This information is very important so the community can comply with the recommendations. He also asked to conduct a study on fisheries refugia for blue swimming crabs and squids in West Kalimantan.
- Mrs. Adriani (PIC of fisheries refugia in West Kalimantan, National Research and Innovation Agency) highlighted that the study the team carried out had received positive responses from local governments, both provincial and districts. She also added information that the issue of shrimp fishing permits will be discussed further in a public consultation meeting that stakeholders will attend (around September 2022). She suggested further studies on economic valuation can be requested by sending an application letter from Marine Affairs and Fisheries Department to National Research and Innovation Agency.
- Ms. Neis (Marine Affairs and Fisheries Department of North Kayong Regency) said that in North Kayong Regency, some fishers still use trawl fishing gear (categorized as prohibited fishing gear). This condition is a challenge because the surveillance authority is not under

the district government but directly under the provincial government and the marine and fisheries resources surveillance station.

- All participants agreed to conduct the socialization and hand over the academic manuscript on September 14<sup>th</sup> 2022 in Pontianak City, West Kalimantan. The institutions invited in that planned meeting are:
  - The Centre for Fisheries Research
  - The Research Institute for Fish Resource Enhancement
  - Directorate General of Capture Fisheries
  - Directorate General of Marine Spatial Management
  - National Research and Innovation Agency
  - Provincial government (represented by Marine Affairs and Fisheries Department of West Kalimantan Province),
  - Districts government (represented by Marine Affairs and Fisheries Department of Kubu Raya, North Kayong, and Ketapang Districts),
  - Regional Office for Coastal and Marine Resources Management Pontianak
  - Related Universities,
  - Indonesian fishermen association of West Kalimantan,
  - The Marine and Fisheries Resources Surveillance Station Pontianak,
  - Surveillance Group of each village (Padang Tikar, Dusun besar, and Sukabangun)
  - Village headmen from Padang Tikar, Dusun besar, and Sukabangun Villages
  - Fishers Groups from Padang Tikar, Dusun besar, and Sukabangun Villages

**LIST OF PARTICIPANTS**

<b>No.</b>	<b>Name</b>	<b>Gender</b>	<b>Intitution/Position</b>
1.	Iswari Ratna Astuti	F	The Head of Research Institute for Fish Resource Enhancement
2.	Endy Dionisius	M	Marine Affairs and Fisheries Department of West Kalimantan Province
3.	Astri Suryandari	F	NSTC Focal Point, Research Institute for Fish Resource Enhancement
4.	Adriani Sri Nastiti	F	National Research and Innovation Agency
5.	M. Fahmiyuzar	M	Marine Affairs and Fisheries Department of Kubu Raya Regency
6.	M. Ghandi	M	Marine Affairs and Fisheries Department of West Kalimantan Province
7.	Erli	M	Dinas Kelautan dan Perikanan Prov. Kalbar
8.	Masayu Rahmia Anwar Putri	F	National Research and Innovation Agency
9.	Dyah Ika, Kusumaningtyas	F	Research Institute for Fish Resource Enhancement
10.	Neis Zulika, S.Pi	F	Marine Affairs and Fisheries Department of North Kayong Regency
11.	Aira Z	F	Fisheries refugia project

MEETING DOCUMENTATIONS

