



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

REPORT

THE FIRST MEETING ON PREPARATION FOR FISHERIES REFUGIA PROFILE OF WEST KALIMANTAN

**JAKARTA, INDONESIA
26 NOVEMBER 2019**

Prepared by
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**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
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TIME: 09.00-15.00 a.m

LOCATION: Research Centre of Fisheries

LIST OF PARTICIPANTS:

- | | | |
|----|---------------------------------|---|
| 1. | Ms. Dra. Adriani Sri Nastiti | Researcher in Research Institute for Fish Enhancement, RIFE |
| 2. | Ms. Drs. Bambang Sumiono | Invited Fisheries Expert |
| 3. | Dra. Sri Turni Hartati | Researcher in Research Centre of Fisheries |
| 4. | Sri Endah Purnamaningtyas, A.Pi | Researcher in RIFE |
| 5. | Astri Suryandari,S.Si., MSi | Researcher in RIFE |
| 6. | Arip Rahman S.Pi | Researcher in RIFE |
| 7. | Della Kundari | Fisheries Refugia Project staff |

The meeting was conducted for preparing fisheries refugia profile report, one of the output of the Project entitled: “Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand

AGENDA 1: MEETING OPEN

The meeting was opened by Astri Suryandari, she explained the project activity and output should be achieved in the project. The main agenda of meeting was to compose fisheries refugia profile report of West Kalimantan as one of the outputs of the project. Previous research regarding critical habitat of Penaeid shrimp in West Kalimantan has been conducted in 2015 led by Dra. Adriani Sri Nastiti. The output of the research was being important information to compile fisheries refugia profile report of West Kalimantan.

AGENDA 2: REVIEWING DATA AND INFORMATION OF FISHERIES REFUGIA

Dra. Adriani Sri Nastiti as the PIC for West Kalimantan profile presented research report regarding fisheries refugia in West Kalimantan conducted in 2015. Based on the research, West Kalimantan was producer of Penaeid shrimp that contribute to national production. The main site of Penaeid catch in West Kalimantan was Kubu Raya District that contribute almost 50% to provincial production of shrimp. Based on the research, Penaeid shrimp in West Kalimantan were *Fenneropenaeus merguensis*, *Metapenaeus lysianassa*, *Parapeneopsis coromandelica*, *Parepeneopsis gracillima* and *Metapenaeus* sp. Exploitation of shrimp tends to be high and the use of unselective gears drive the decrease of shrimp stock. In addition to over exploitation, threats to the sustainability of fish stocks also come from disruption of spawning and nursery ground as critical habitat in shrimp’ lifecycle. For this reason, management measures are needed in order to protect these important habitats through the concept of refugia. Based on the research in 2015, the proposed fisheries refugia site in West Kalimantan were Ketapang (Ketapang District), Teluk Batang (Kayong District) and Padang Tikar (Kubu Raya District).

Drs. Bambang Sumiono provided additional information about spawning and nursery ground in West Kalimantan based on previous research. He also informed the latest production shrimp data in West Kalimantan and biological data (length maturity, length capture and spawning season) regarding to Penaeid shrimp especially *Fenneropeneus indicus* or *F.merguiensis* based on some previous researches.

AGENDA 3: DRAFTING FISHERIES REFUGIA PROFILE REPORT

The team led by Dra. Adriani start to compile data and information related to Penaeid shrimp such as catch, distribution, abundance, nursery and spawning habitat, and fishing ground. Data and information regarding Penaeid shrimp and their critical habitat was available from research done by Research Institute for Fishes Enhancement and Conservation (RIFEC) in 2013 and 2015, but latest information still needed to complete the report.

Data and information regarding nursery ground of Penaeid shrimp in West Kalimantan have been available from previous research done by RIFEC, however information about spawning ground and spawning season are needed to be complete, that it is necessary to conduct research or survey to gain the latest data and information on this matter.

The team compiled and approved outline of the fisheries refugia profile report. Research team of West Kalimantan site continued

AGENDA 4: CLOSING

The following meeting was scheduled on 4-5th December for further discussion and accomplish fisheries refugia profile report.

CONCLUSION

- Data and information of Penaeid shrimp species diversity in West Kalimantan has been provided from previous research. The dominant valuable species of shrimp were white or banana shrimp (*Fenneropenaeus indicus*/ *F. merguiensis*) and *Metapenaeus lysianasa*.
- Critical habitat of Penaeid shrimp especially banana shrimp in West Kalimantan has been identified from research in 2015 and it was important information for determining fisheries refugia site.
- Data and information regarding spawning season and spawning site of Penaeid shrimp in West Kalimantan are still incomplete so it requires research about spawning site.

Documentation

