



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

## **REPORT**

# **MEETING ON PREPARATION FOR FISHERIES REFUGIA PROFILE**

**DEPOK, INDONESIA  
23 DECEMBER 2019**

Prepared by  
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Fisheries refugia profile on two targeted sites, West Kalimantan and Bangka Belitung had been drafted from previous meetings. In order to finalize the drafts, a final profile report meeting is conducted at Fish Disease Installation of Research Institute of Freshwater Fisheries on December 23<sup>th</sup>, 2019.

#### LIST OF PARTICIPANTS:

1.	Dr. Joni Haryadi, D. MSc	National Focal Point of Fisheries Refugia Project
2.	Prof. Dr. Ngurah Wiadnyana	National Scientific and Technical Focal Point of Fisheries Refugia Project
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4.	Dra. Adriani S Nastiti, MS	Researcher in Research Institute for Fish Enhancement, RIFE
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#### AGENDA 1: MEETING OPEN

The meeting was chaired by Astri Suryandari and open by Dr. Joni Haryadi as NFP. Dr. Joni Haryadi explains the purpose of profile report drafting on both sites would be considered as the basis of the survey that will be conducted in 2020. In addition, Prof. Ngurah as NSTFP mentions the importancies in deciding targeted species and comprehensive habitat profiles either for spawning or nursery.

#### AGENDA 2: REVIEWING FINAL PROFILE DRAFT FOR WEST KALIMANTAN

Dra. Adriani S Nastiti, MS as the PIC for West Kalimantan profile presents information regarding the initial status of fisheries refugia in West Kalimantan. West Kalimantan targeted species from the previous research was *F. indicus*, *M. brevicornis*, and *M. lysianassa*. It has been known that 70% of the capture trial was composed of penaeus, metapenaeus, and parapenaeus. Most of penaeid shrimp were captured in Padang tikar (93.8%). Not only over-fishing issues, destructive fishing was also becoming a threat to West Kalimantan. To identify the social-institutional acceptability of the project, there was also a social-institutional analysis conducted on-site. This concludes that there were three regions on West Kalimantan that having a good category in project acceptability, e.g. Padang Tikar, Ketapang, and Teluk Batang. Those three locations were

also indicated as a potential region for the shrimp nursery area. There was no specified research to identify spawning area, but, according to adult capture sites, Pemangkat, Singkawang, Mempawah, and Teluk Nuri were indicated as a potential spawning area.

There were several points highlighted from the discussion about fisheries refugia profile on West Kalimantan; (1) to get more detailed information, it has been agreed that *Fenneropenaeus indicus* as the targeted species. (2) Three investigated regions in west Kalimantan were considered as the potential location candidate, by 2020, it should be more focused in one region as a selected location. (3) It highly recommended opening communication with local government. (4) Finding the spawning area was essential to succeed in the project.

### **AGENDA 3: REVIEWING FINAL PROFILE DRAFT FOR BANGKA BELITUNG**

Dr. Amula Nurfiarini as the PIC for West Kalimantan profile drafting presents initial information from the desk study regarding the initial status of fisheries refugia in Bangka Belitung. Bangka Belitung waters as a part of MMA 711 mostly categorize as over-exploited due to over-fishing, habitat destruction, destructive fishing gear, and pollution. In general, Bangka Belitung captures fisheries activity composed of 13 species of small pelagic, squids, and 5 species of large pelagic fishes. Squids had been known as one of the prime commodities in Bangka Belitung. Furthermore, the local government of Bangka Belitung has decreed Tuing waters as a conservation site for squids' eggs protection. These facts conclude that Bangka Belitung supported conservation activities. Squids fisheries management in Bangka Belitung important to implement, not only because of its face so many issued or due to its potentially well-cooperated local government but MSY calculation of the squids' potency was also still potential to be optimized.

There were several points highlighted from the discussion about fisheries refugia profile on Bangka Belitung;(1) Target species for Bangka Belitung had been decided, but the justification of the target species selection needs to be explained, (2). One of the important knowledges in squid management was the important habitat identification, (3) in 2020, the research survey should answer how big squid's egg protection area on larger squids captures fisheries.

### **AGENDA 3: CLOSING**

The fisheries refugia profile on West Kalimantan and Bangka Belitung were expected as the main output on Q4 2019 and as the basic consideration pre-research activities in 2020. Further meetings and research activities will be informed in early 2020.

**Documentation**

