



**REPORT OF NATIONAL SCIENTIFIC AND TECHNICAL COMMITTEE MEETING  
IN CONJUNCTION WITH PRE-SURVEY MEETING FOR FISHERIES REFUGIA**

SEAFDEC/UNEP/GEF/INDONESIA  
Establishment and Operation of a Regional System of Fisheries Refugia in the  
South China Sea and Gulf of Thailand



Bogor- August 18<sup>th</sup>, 2020

## 1. OBJECTIVES

- a) To discuss recent West Kalimantan and Bangka – Belitung Fisheries Refugia Profile Report and mapping the need of uncovered essential information that should be acquired by survey
- b) To discuss regarding the technical plan for conducting a research survey in both Fisheries Refugia Candidates by considering COVID-19 pandemic
- c) To synchronize and accelerate progress among research teams in both location under the coordination of NSTFP (Prof. Ngurah Wiadnyana) by considering targeted output on the Fisheries Refugia Project

## 2. DATE AND VENUE

The meeting for NSTC meeting in conjunction with Pre-Survey Meeting was held on August 18, 2020, in Bogor.

## 3. PROCESS OF FACILITATION AND SUPPORT

The meeting for NSTC meeting in conjunction with Pre-Survey Meeting has been organized and facilitated by TIA by involving several researchers from Research Institute for Fisheries Enhancement (RIFE), Research Institute for Marine Fisheries (RIMF), Fisheries Research Centre (FRC) coordinated by NSTFP during the meeting. The budget used for the activity was provided by SEAFDEC/UNEP/GEF/Fisheries Refugia Project.

The meeting of the dissemination had processed following action program

- a) Welcomed by NSTFP (Prof. Ngurah Wiadnyana)
  - Scientific data and information will be the main attention in building fisheries refugia concept for fisheries refugia.
  - Research survey teams from both locations shall be aware by the additional administration for travel during the pandemic
  - to accomplish the fisheries refugia concept, all the information related to the complete life cycle of the targeted species important.
- b) Recent progress of the project explained by Mrs. Astri Suryandari (Fisheries Refugia Project Committee)
  - Designation of the Targeted species from both locations, e.g., White Shrimp (*F. merguensis*) and Squids (*Urotheutis sp.*).
  - Several areas in West Kalimantan were identified as a potential area for refugia of shrimps, this information was acquired from a survey conducted by the researcher of RIFE on 2015
  - The recent condition of fisheries on Bangka-Belitung was mapped by desk study due to no primary information acquired before, thus, data acquisition on Bangka-Belitung was essential to conduct.
- c) Survey plan for West Kalimantan explained by Mrs. Adriani S Nastiti (Survey coordinator)
  - Three locations to asses, i.e., Padang Tikar, Teluk Batang, Ketapang. However, due to the limited time for the survey will be focused on Padang Tikar.

-Information will be acquired such as spawning ground, distribution area, inventory of used fishing gear by local fishermen, and local government response, using interview approach and ecological data measurement.

-For spawning ground identification, two adjacent locations (Teluk Nuri and Muara Kakap) were selected as a potential location to investigate

d) Survey plan for Bangka-Belitung explained by Dr. Amula Nurfiarini (Survey coordinator)

-The information that will be acquired during the survey, e.g., identification essential habitat of squids, biological, population, and genetic aspect of squids, exploitation of squids, social and economic of local fisherfolk.

-The survey was expected to be conducted in September 2020.

-Squids have been becoming exploited fisheries commodity in Bangka-Belitung, open-close conservation area shall be an option in squids resource management.

e) Input for data acquisition during the survey by the Senior Researcher and the Audience of the meeting

-The information gap between recent data and missed data that should be acquired during the survey should be identified.

-The final achievement of scientific data information was expected to explain the refugia area and its estimated impact on fisheries production improvement.

-Squids fisheries in Bangka-Belitung could be conducted by evaluating the implementation of current conserved area efficiency and the development of other conservation areas based on an identified area of nursery and spawning.

-Most of the squids in the targeted area were captured by squid jigging by local fishermen, according to the recent information the squids fishing were spread in the large area of karimata strait.

-Squids' reproduction is essential information due to several references describing that squids were having unique spawning behavior. Squids were trying to closing the eggs' attachment media during their reproduction maturity processes.

#### 4. CONCLUSION

Members of both survey teams will make more intensive communication for detail technical plan for survey meetings supported by Fisheries Refugia Project Committee in arranging a budget for the research survey. NSTFP has proposed a complete life cycle for both targeted species as the primary information targeted to acquire during the survey.

Annex.1. List of Participant attending National Scientific and Technical Committee Meeting in Conjunction with Pre-Survey Meeting for Fisheries Refugia

| No  | Name                   | Sex | Title                                                       | Organization | Contact Person |
|-----|------------------------|-----|-------------------------------------------------------------|--------------|----------------|
| 1   | Prof. Ngurah Wiadnyana | M   | NSTFP                                                       | FRC          | 628121106119   |
| 2   | Mrs. Astri Suryandari  | F   | Researcher/ Fisheries Refugia Project Committee Coordinator | RIFE         | 628129981433   |
| 3   | Dr. Amula Nurfiarini   | F   | Survey coordinator for Bangka-Belitung                      | RIFE         | 628128388056   |
| 4   | Mrs. Adriani S Nastiti | F   | Survey coordinator for West Kalimantan                      | RIFE         | 628122368718   |
| 5   | Prof. Krismono         | M   | Researcher                                                  | RIFE         | 6281322338802  |
| 6   | Dr. Didik Wahyu        | M   | Researcher                                                  | RIFE         | 628128403545   |
| 7   | Mrs. Sri Endah P       | F   | Researcher                                                  | RIFE         | 6281382701065  |
| 8   | Mr. Suwarso            | M   | Researcher                                                  | RIMF         | 6285216980875  |
| 9   | Dr. Khairul Amri       | M   | Researcher                                                  | RIMF         | 6281294413405  |
| 10  | Dr. Reny Puspasari     | F   | Researcher                                                  | FRC          | 6289618413951  |
| 11  | Dr. Dian Oktaviani     | F   | Researcher                                                  | FRC          | 628129871974   |
| 12  | Mrs. Sri Turni H       | F   | Researcher                                                  | FRC          | 628159967216   |
| 13  | Mr. Andreas S Samu     | M   | Researcher                                                  | FRC          | 6285289370863  |
| 14  | Mr. Danu Wijaya        | M   | Researcher                                                  | RIFE         | 6285664600800  |
| 15  | Mr. Dimas A Hedianto   | M   | Researcher                                                  | RIFE         | 6281314295776  |
| 16  | Mr. Indriatmoko        | M   | Researcher/ Fisheries Refugia Project Committee             | RIFE         | 6285727701940  |
| 17  | Mrs. Aira Zata         | F   | Administration staff/ Fisheries Refugia Project Committee   | RIFE         | 6282221505465  |
| 18  | Ms. Della Fauzia       | F   | Administration staff/ Fisheries Refugia Project Committee   | RIFE         | 6285721800566  |
| 19. | Hisom                  | M   | driver                                                      | RIFE         |                |
| 20. | Gusman                 | M   | driver                                                      | RIFE         |                |

Annex.2. Documentation of National Scientific and Technical Comitee Meeting in Conjunction with Pre-Survey Meeting for Fisheries Refugia

