



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

THE REPORT

HANDOVER OF ACADEMIC DRAFT FISHERIES REFUGIA OF SQUID (*Uroteuthis (L) Chinensis*) IN BANGKA SEA TO REGIONAL GOVERNMENT OF BANGKA BELITUNG PROVINCE

Pangkal Pinang, December 7th, 2022



Prepared by:

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Ministry of Marine Affairs and Fisheries (MMAF)

**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT**



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HANDOVER OF ACADEMIC DRAFT FISHERIES REFUGIA OF SQUID (*Uroteuthis (L) Chinensis*) IN BANGKA SEA TO REGIONAL GOVERNMENT OF BANGKA BELITUNG PROVINCE

The Objective of the Meeting

Academic Draft are scientific documents, containing concepts that consisting of background, drafting purposes, target and the scope, object, or direction of Draft Laws regulation or Regional Regulations. Academic Drafts in Indonesia are needed for explaining to legislators/regional regulations regarding the contents of draft regulations, including the framework and purpose of the regulation.

Academic Draft Fisheries Refugia of Squid (*Uroteuthis (L) Chinensis*) in Bangka Sea, Bangka Belitung 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 squid fisheries management. The Academic Draft was submitted to the Regional Government of the Bangka Belitung Islands Province as the policy maker at the regional level to be adopted into a regional regulation.

Time and Venue

The meeting was held by the Research Institute for Fish Resource Enhancement on Wednesday, December 7th, 2022, at the Swiss-Belhotel, Pangkal Pinang City, Bangka Belitung Province.

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 Project Southeast Asian Fisheries Development Center (SEAFDEC) Refugia, Ir. Iswari Ratna Astuti regarding the progress of the refugia project in Indonesia. She explained that this activity was part of the Project "*Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand*"
2. The meeting was attended by 36 participants consisting of 27 male participants and 9 female participants. Participants came from the Fisheries Research Center, RIFRE, the Regional Government of Bangka Belitung Province (Regional Planning Agency, Department of Maritime Affairs and Fisheries), PT Timah Tbk, academics from Bangka Belitung University, Fisheries instructors, and fishermen communities.
3. The meeting was opened by the Head of the Fisheries Research Center, Yayan Hikmayani, S.Pi., M.Si who said that the concept of fisheries refugia was in line with the MMAF's priority program. MMAF is committed to ensuring the sustainability of fish stocks and protecting coastal and small island ecosystems for the welfare of the people in year 2045, by increasing 30% (97.5 million ha) of the conservation area. Fishery refugia is in line with the program which recommends a spatial area of 157,669.35 ha for squid refugia in Bangka sea, consisting of 9,581.27 ha for spawning areas and 148,087.08 ha for nursery areas. This area is not a no-take zone, but a zone with special management steps in place, which can be closed at certain times so that there is a balance between the fishing rate and recruitment process of fish resources.
4. Head of Departement of Maritime Affairs and Fisheries of Bangka Belitung Province represented by Secretary of Departement, Drs. Wahyono, M.Si expressed his appreciation to the MMAF for holding this meeting. He believes that what has been done by the Fisheries Research Center-MMAF, through RIFRE-MMAF, with the Academic Draft will provide input that will complement the management efforts to be carried out by the Regional Government of Bangka Belitung in the future. It will also be a part of a guidebook for activities to monitor marine and fishery resources in Bangka Belitung Province, because without the supervision of its implementation, good

regulations and management will not be able to provide optimal benefits. He also expressed his hope that MMAF's support would not stop here, assistance in implementing this academic draft is expected to be obtained in the future.

5. In this meeting, RIFRE presented a video about Fisheries Refugia of Squids in Bangka Sea to the participants. The video is the summary of fisheries refugia squids in Bangka Belitung and contains recommendations for management steps which must be carried out next.
6. Fisheries Refugia Academic Draft of Squid (*Uroteuthis (L) Chinensis*) in Bangka Sea, Bangka Belitung Province was handed over by the Head of the Fisheries Research Center, Ministry of Marine Affairs and Fisheries (MMAF) to the Head Department of the Maritime Affairs and Fisheries of the Bangka Belitung Province with the Handover Number B.1811/BRSDM.3/KS.310/XII/2022.
7. On this occasion, the Head of the Fisheries Research Center also gave souvenirs to the Head Department of the Marine and Fisheries, Bangka Belitung Province and the Dean of the Faculty of Agriculture, Fisheries and Biology, University of Bangka Belitung in appreciation for the assistance and support that has been given. The meeting was closed with a photo session.
8. Recommendations in Academic Drafts
 - 1) A spatial area of 157,669.35 hectares of potential squid refugia in Bangka Sea, consisting of 9,581.27 hectares of spawning areas and 148,087.08 hectares of nursery areas.
 - 2) Regulate the catching of spawning squid at the fisheries refugia area through the following mechanisms:
 - a. Open and close the fishing season (close season) during the spawning season. The recommended closing time is twice a year, in April–May and October–November. The duration of the close season is determined based on a mutual agreement between stakeholders; and/or;
 - b. Prohibition of catching squid that are laying eggs, namely squid measuring < 15.7 cm for female squid and < 19.7 cm for male squid;
 - 3) Prohibit the catching of juvenile squid through setting the location of the fishing gear charts and the size of the mesh used. The recommended mesh size is >1 inch during the peak season for juvenile squid;
 - 4) Encouraging the addition of marine conservation areas based on breeding ground and laying eggs area;
 - 5) Rehabilitating damaged coastal habitats through physical engineering (hard structure) and biology (planting mangroves) for sediment traps;
 - 6) Prohibit fishing gear that damages the environment such as mini trawls and similar fishing gear operating in South Bangka;
 - 7) Encouraging the Regional Government of the Bangka Belitung Province to provide alternative livelihoods for fishermen during the close season period based on local potential, and in synergy with the MMAF program "The Month of Love the Sea";
 - 8) Optimizing local wisdom for management of squid resources.

Annex 1. List of Participants

No	Name	Gender (M/F)	Institution
1	Yayan Hikmayani	F	Fisheries Research Center, MMAF
2	Iswari Ratna A.	F	RIFRE, MMAF
3	Esraawaty	F	Public Aquatic Fisheries Research Center and Fisheries Instructor
4	Muhamad Yusuf	M	Public Aquatic Fisheries Research Center and Fisheries Instructor
5	Arsih	M	Fisherman community Simpang Mapur
6	Iwan	M	Tuing Fisherman community
7	Budi Awan	M	Tuing Fisherman community
8	Angga Satria	M	Mapur Fisherman community
9	Riwan Kusmiadi	M	Bangka Belitung University
10	Herman	M	Napoleon Fisherman community
11	Ma'aruf A.	M	Napoleon Fisherman community
12	Adam D.	M	PT Timah
13	Obed A.	M	PT Timah
14	Sugianto	M	Bahari Fisherman community
15	Djunhak	M	Bahari Fisherman community
16	Ode A.D	M	PT Timah
17	Arda	M	Rebo Fisherman community
18	Rusdyansyah	M	Harapan Baru Fisherman community
19	A Febrianto	M	Department of Maritime Affairs and Fisheries of Bangka Belitung Province
20	Aditya Pamungkas	M	Bangka Belitung University
21	Nilawati	F	Department of Maritime Affairs and Fisheries of Bangka Belitung Province
22	Wahyu	M	Department of Maritime Affairs and Fisheries of Bangka Belitung Province
23	Fhores Fherado	M	Department of Maritime Affairs and Fisheries of Bangka Belitung Province
24	Kurniawan	M	Bangka Belitung University
25	Yeyen Mardyani	F	Regional Planning Agency of Bangka Belitung Province
26	Indra Ambalika	M	Bangka Belitung University
27	Ginangjar Adhi A	M	RIFRE, MMAF
28	Dyah Ika K.	F	RIFRE, MMAF
29	Nanang W.	F	RIFRE, MMAF
30	Rian	M	Departement of Maritime Affairs and Fisheries of Bangka Belitung Province
31	Auliyo Dwi Putra	M	Departement of Maritime Affairs and Fisheries of Bangka Belitung Province
32	Tatok P.	M	RIFRE, MMAF
33	Danu W	M	RIFRE, MMAF
34	Jimmy	M	Departement of Maritime Affairs and Fisheries of Bangka Belitung Province

35	Endang	F	Fisheries Research Center, MMAF
36	Aira Zata	F	Fisheries refugia Project

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
CUMI-CUMI (*Uroteuthis (L.) chinensis*) DI PERAIRAN BANGKA,
PROVINSI KEPULAUAN BANGKA BELITUNG**

Nomor : ~~B.134/BRSDM.3/~~KS.310/KU/2022

Pada hari ini **RABU** tanggal **TUJUH** bulan **DESEMBER** 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 : Dr. Drs. Agus Suryadi, M.Si.
Jabatan : Kepala Dinas Kelautan dan Perikanan Provinsi Kepulauan Bangka Belitung
Alamat : Jl. Pulau Bangka, Air Itam, Kec. Bukitintan, Kota Pangkal Pinang, Kepulauan Bangka Belitung

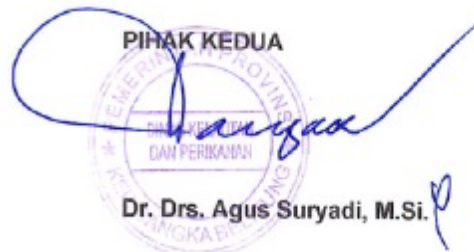
Dalam hal ini bertindak untuk dan atas nama Dinas Kelautan dan Perikanan Provinsi Kepulauan Bangka Belitung, dalam Berita Acara Serah Terima Naskah Akademik ini selanjutnya disebut sebagai **PIHAK KEDUA**.

PIHAK PERTAMA dan **PIHAK KEDUA** menyatakan Setuju dan Bersepakat untuk mengadakan serah terima hasil kajian berupa Naskah Akademik Refugia Perikanan Cumi-Cumi (*Uroteuthis (L.) chinensis*) di Perairan Bangka, Provinsi Kepulauan Bangka Belitung sesuai kebutuhan dan untuk selanjutnya **PIHAK KEDUA** akan memanfaatkan Naskah Akademik tersebut sebagai pertimbangan dalam menyusun Kebijakan Pengelolaan Perikanan Cumi-cumi di Provinsi Kepulauan Bangka Belitung.

Demikian Berita Acara ini dibuat untuk dapat dipergunakan sebagaimana mestinya.



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



Dr. Drs. Agus Suryadi, M.Si.