

2018 ANNUAL REPORT

INDONESIAN BLUE SWIMMING CRAB ASSOCIATION

**Asosiasi Pengelolaan Rajungan
Indonesia**





Indonesian Blue Swimming Crab Association
Asosiasi Pengelolaan Rajungan Indonesia
(APRI)
2018 Annual Report

<http://www.apri.or.id>



ASOSIASI PENGELOLAAN RAJUNGAN INDONESIA

Asosiasi Pengelolaan Rajungan Indonesia (APRI), the Indonesian Blue Swimming Crab Association, supports Blue Swimming Crab sustainability initiative in Indonesia. It is benefiting all supply chain from industries to more than 65,000 fishermen and 130,000 women who are working at the miniplants are directly employed in the blue swimming crab fishery, while thousand of others are direct stakeholders involved as fishing gears suppliers, middlemen, operators, ice producers, and all of miniplants suppliers where initial crab processing is carried out. APRI and all members are campaigning sustainability crab harvest to the supply chain for effective impact, increasing crab recruitment through stock enhancement, collaborating with Universities to support scientific research, supporting Ministry of Marine Affairs and Fisheries to develop national Fishery Management Plan and working closely with Fishers community to establish community based fishery management. All project activities are managed in a Fishery Improvement Project (FIP), which determined as 6 FIP stages.

Fishery Improvement Project will create sustainable impact to the supply chain, blue swimming crab resources and also to the ecosystem where the blue swimming crab harvested. APRI was formed at May 2007, with noble goals and responsibility to initiate the blue swimming crab management and its natural resource fairly and wisely, so the benefit will last for the future generation and sustainable economically and ecologically.

Blue swimming crab (*Portunus pelagicus*) as one of the most important Indonesia marine resources, have been realized being exploited and processed for consumption in the increasing numbers so it is important to keep the blue swimming crab stock in the wild, to managed properly, ethically and sustainability. The development of international consumer demand for seafood products that adhere to the principles of ethical and good fishing practices are also encourage crab conservation.

APRI is the organization to formulate guidelines for environmentally-friendly fishing and constructing other initiatives to ensure sustainability of health and balance in the wild crab populations and management of crab industry in Indonesia itself in a balanced manner.

APRI Fishery Improvement Program :

1. Stock Assessment
2. Stock Enhancement
3. Fishery Management
4. Education



Kuncoro Catur Nugroho

Chairman



Bambang Arif Nugraha

Secretary



Wita Setioko

Treasurer



Hawis Madduppa

Executive Director

APRI MEMBERS



PT Bumi Menara Internusa
(July 6, 2007)



PT Phillips Seafood Indonesia
(July 6, 2007)



PT Kelola Mina Laut
(July 6, 2007)



PT Pan Putra Samudera
(July 6, 2007)



PT Mutiara Laut Abadi
(July 6, 2007)



Blue Star Foods
(July 6, 2007)



PT Prima Cakrawala Abadi
(July 6, 2007)



Handy Seafood International, Inc.
(February 18, 2008)



PT Toba Surimi Industries
(March 30, 2011)



PT Rex Canning
(May 5, 2011)



PT Grahamakmur Ciptapratama
(May 29, 2013)



PT Sumber Mina Bahari
(January 27, 2014)



PT Muria Bahari Indonesia
(February 14, 2014)



PT Blue Star Nusantara
(March 19, 2014)



PT Nirwana Segara
(August 1, 2016)



PT Kemilau Bintang Timur
(December 17, 2017)

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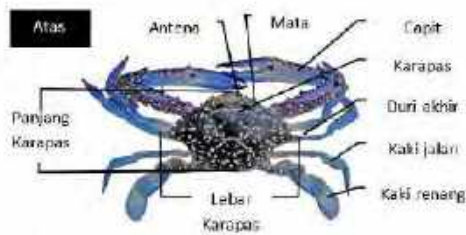
FISHERY
IMPROVEMENT
PROJECT

Indonesian Blue Swimming Crab

Fishery Improvement Project

SPECIES:

Local Name (Indonesia) : Rajungan
Other Local Name : Buk kang Suji (South Sulawesi), Kesore (Lombok)
English Name : Blue Swimming Crab
Scientific Name : *Portunus pelagicus*



DESCRIPTION:

APRI and all members are committed to campaigning sustainability crab harvest to the supply chain for effective impact, increasing crab recruitment through stock enhancement, collaborating with Universities to support scientific research, supporting Ministry of Marine Affairs and Fisheries to develop national Fishery Management Plan and working closely with Fishers community to establish community based fishery management. All project activities are managed in a **Fishery Improvement Project (FIP)**. FIP will create sustainable impact to the supply chain, blue swimming crab resources and also to the ecosystem where the blue swimming crab harvested.

Blue swimming crab (BSC) fishing in Indonesia is mostly carried out by small-scale fishers using boats of less than 10 GT with or without motors, and in some cases fishermen do not use boats. The crabs are caught mostly using bottom gillnets and collapsible traps, and to a lesser extent with the now illegal shallow bottom trawls (baby trawls).

An estimated 90,000 fishermen and 185,000 pickers (working in over 550 miniplants or cooking stations throughout Indonesia) are directly employed in the crab fishery. In addition, several thousand other players are involved in the fishery, including middlemen, operators of miniplants where initial processing is carried out, and final processors/packagegers who export the products.

FIP OBJECTIVES:

- Change practices (no take of small crabs/juveniles, no take of egg-bearing females), increase the stocks, develop policies that protect and sustain crabs (including protection of nursery ground, spawning area).
- Develop a management plan for Indonesian blue swimming crab that includes community resources management that protects nursery ground; produce a control document.
- Implement FIP workplan that includes development of the management plan, community-based management, communication and awareness, nursery and spawning grounds protection projects, as well as a hatchery project.

LOCATION:

Troughout Indonesia

TYPICAL AREA OF THE FISHERY:

Indonesian waters, FAO 71, FAO 57



Area of the Indonesian fisheries

MARKETS FOR THE PRODUCT:

Crab is an important part of Indonesia's overall export revenue from seafood products. Blue swimming crab is the third highest of fishery product export value, below the shrimp and tuna. The total export volume of blue swimming crab in 2017 reached 15,867.017 tonnes valued at \$ 308,827,461 (USD).

The United States has been the biggest market for Indonesian blue swimming crab exports, purchasing approximately 71 percent of the total blue swimming crab export from Indonesia. Other markets include Japan (9%), Malaysia (7%), Singapore (3%), France (2%), England (2%), Thailand (1%), and Other (5%).

THE FIP'S MILESTONE (2007-2016):

In 2007, Phillips Foods requested SFP's advice on a sustainability agenda. Phillips Foods and other major crab processors in Indonesia formed the Indonesia Blue Swimming Crab Producers Association (APRI) in 2007, with the goal of sustainable procurement from healthy stocks. APRI decided to work with SFP to improve blue swimming crab fisheries through a Fishery Improvement Project (FIP). The FIP has been started since 2007, and are still developing until now.

Results/ FIP Stage	Indicator of Success	Specific Details	Date Achieved	List of Suppliers/Or ganization	Source
FIP is launched (Stage 1)	Sustainability evaluation is available publicly	Fish Source profile	August 2008	SFP, APRI	Blue swimming crab
		Scoping out report	November 2009	SFP, APRI	Report: Scoping Out of Indonesian Blue Swimming Crab Fisheries
		Market and Supply chain analysis	2009	SFP, APRI	Report: Market and Supply Chain Analysis of Indonesia Blue Swimming Crab
		MSC pre- assessment was conducted by MRAG	June 2009	APRI, SFP	MSC pre- assessment report (confidential – non public)
		Engaged with Phillips Foods and APRI	2007	SFP	APRI blog APRI website
	Fishery improvement recommendatio ns	Simple narrative explaining the FIP workplan and proposal submitted to the NFI Crab Council	August 2010	APRI, SFP	Executive Summary: Indonesia BSC: Fishery Improvement Project
		Online information sharing among members of FIP has been developed		SFP	FIP participants site (password required)
		APRI has facilitated regular quarterly FIP roundtable meetings since 2009	Regular Meeting APRI		
FIP is formed (Stage 2)	Suppliers are organized	Collaborating with APRI and SFP, MMAF facilitated a BSC fishery awareness workshop at the University of Indonesia, attended by representatives from MMAF, universities, industries, and NGOs to promote the sustainability of Indonesian BSC fishery	June 2009	APRI, SFP, MMAF	Trobos news article

		The FIP workplan has already been developed and partly implemented in order to address challenges identified by the MSC pre assessment report, as well as to improve fishery management.	March 2010	APRI, SFP	APRI website
		NFI Crab Council meeting at Boston Seafood Shows to discuss the BSC fishery improvement project.	March 2010, March 2011	NFI Crab Council	
		SFP and the CEO of Phillips foods met the Director General of Capture Fisheries to present current work in Indonesia.	February 2009	SFP, Phillips Food, DG of Capture Fisheries	
		APRI, supported by SFP, maintains consultation with Ministry of Marine Affairs and Fisheries to discuss efforts to improve BSC fishery sustainability		APRI, SFP	Ekspor rajungan terancam sertifikasi
		NFI US Crab Council sent a letter to MMAF to share their concern for the health of the BSC resource and to share and offer to discuss strategies regarding BSC sustainability.	January 2010	NFI Crab Council	Letter from US Crab Council to minister
		SFP and APRI facilitated the workshop "Cost Effective Stock Assessment for Data Poor Fisheries, Using Indonesian Blue Swimming Crab Fishery as Case	June 28, 2011	APRI, SFP, NOAA, Directorate of Fishery Resources (of Directorate General of Capture Fisheries of	

		Study, As Input for Developing Minimum Size Harvest Regulation” at Directorate of fishery resources (of Directorate General of Capture Fisheries of MMAF) with NOAA team		MMAF)	
		Directorate of Fishery Resources (of Ministry of Marine Affairs and Fisheries MMAF) hosted initial workshop to discuss the development of the Blue Swimming Crab (BSC) Fishery Management Plan and start drafting the management plan.	March 28-30, 2012	MMAF, APRI, SFP	Meeting Minutes
		SFP and APRI met with Directorate of Fishery Resources (MMAF) to discuss the followup of drafting Blue Swimming Crab Fishery Management Plan. The draft is expected to be completed by end of November 2012	September 2012	APRI, SFP, Directorate of Fishery Resources (of Directorate General of Capture Fisheries)	
		Per a request from the NFI Crab Council, a discussion paper on minimum legal size has been developed	January 2011		
		NFI Crab Council announces minimum size (8 cm) to sourcing policy	Effective July 2011	NFI Crab Council	Media report
		Directorate General of Fishery Products and Marketing of	April 2011	Directorate General of Fishery	Letter from DG of Fishery Products and Marketing,

		Ministry of Marine Affairs and Fisheries wrote and sent a memo to all Head of Provincial Fishery Offices in 33 provinces in Indonesia to inform them about the minimum size requirement imposed by NFI Crab Council and encourage its implementation by crab exporters, processors, and miniplants.		Products and Marketing of Ministry of Marine Affairs and Fisheries	dated 27 April 2011.
		APRI members signed a letter/agreement regarding the implementation of minimum harvest size.	July 2011	APRI	Letter from APRI to all suppliers/miniplants
		NFI Crab Council adopted a new policy that will restrict the purchasing of female crabs bearing eggs or "berried" females.	November 2011	NFI Crab Council	Aboutseafood.com story
		APRI produced 20.000 cigarette lighters with printed 8 cm measurements to be used as a tool to measure the minimum carapace width. The lighters together with a letter from APRI to suppliers, have been distributed to the fishermen and miniplants owners.	November 2011	APRI	
		In collaboration with center for Brackishwater Aquaculture	December 2011	APRI, BBAP Takalar	APRI Fact Sheet

		Development (BBAP Takalar, South Sulawesi), APRI conducted a stock enhancement program by releasing 100.000 juvenile crabs.			
		Workplan with annual improvement milestones publicly available	April 2012		2012 Workplan
		APRI, SFP, and Asian Coordinator for NFI Crab Council had meeting with the research Center for Fishery Management and Conservation (P4KSI), who has authority to conduct stock assessment, to discuss P4KSI technical support.	October 10, 2012	APRI, P4KSI, SFP	Minutes meeting
		P4KSI hosted training in Muara Baru office for 9 if APRI's enumerators/observers.	October 22, 2012	APRI, P4KSI, SFP	Stock Assessment Protocol
		APRI conducted a stock enhancement program by releasing 100.000 juvenile crabs and successfully replicating Takalar Hatchery to APRI main fishing ground in Java (in collaboration with BBAP Jepara).	December 18, 2012	APRI – BBAP Jepara	Media report, APRI Fact Sheet
		APRI and P4KSI has collaborated formal Stock Assessment workshop, introduced new	February 26, 2013	APRI – P4KSI - IMACS	APRI exploratory Data, and improved Stock Assessment Protocols

		approach of SPR			
		Fishery Management Plan, First Stakeholder Meeting	March 29, 2012	MMAF	Firs Draft RPP Rajungan
		RPP Rajungan Discussion and Meeting	December 2012	APRI, MMAF, SFP	First Draft Revision RPP Rajungan has been submitted by APRI to MMAF
Formalized Improve ments in Policies and/or Fishing Practices (toward to Stage 4)	Government engaged	APRI and SFP meet the Directorate of Fishery Resources-MMAF to discuss the draft document of BSC Fishery Management Plan and how to move forward.	January 2013	APRI, SFP, MMAF	Minister Regulation (Permen No. 29 Year 2012) regarding the Guidelines to Develop a Fishery Management Plan.
		Research Center for Fish Management and Natural Fishery Conservation (P4KSI) hosted a workshop on Blue Swimming Crab Stock Assessment to discuss data collected by APRI enumerators.	February 2013	APRI, MMAF	Jeremy Prince (Murdoch University, Western Australia) presented the new methodology of cost effective stock assessment for the data-poor fisheries.
		APRI, DG of Processing and Marketing, Fishers, Cirebon Fishery Service and miniplant discuss quality issue and Sustainability	February 2013	MMAF, District Fisheries Office, The Agency of Fishery Product Quality Controller, NGO, Miniplant and Fisheries representatives.	
	Fishery Policy Changed	Workshop on Socialization of the General Guidelines for the Development of	March 2013	The Directorate of Fishery Resources-SDI of MMAF	Minister Regulation No. 29 of 2012

		Fishery Management Plan in Indonesian Fishery Management Area (WPP-NRI)			
		The first Stakeholders meeting in Kendari to establish Fishery Data Management Committee with Kendari Provincial Government, IMACS team, APRI and NFI Crab Council representatives, and local fisher groups attended	April 2013	Sultra Province, MMAF, IMACS	The head of Fishery Department Decree on Blue Swimming Crab Data Management Committee
		BBPPI MOU Net Exchange signed, to develop and introduce size selectivity fishing gears and increase the effectiveness of the gears, will be implemented in 4 location (Brebek, Demak, Jeneponto, and Bone).	April 2013	BBPI-MMAF	
		Won IMACS grant for trialing new forms of fishery assessment and management for data poor fisheries. The project is a multistakeholder initiative including industry, the provincial government, NGO and fisher community; the study will be conducted in Kendari, SE Sulawesi.	May 2013	IMACS, Sultra Province Government	
		MSC officers visit to Jakarta BSC landing	May 2013	MSC, IMACS	

		site and updating new FIP and MSC latest protocols			
		APRI-BBPI publication "Managing Fishing Industries of The Blue Swimming Crab" by Zarochman and Arie Prabawa at Bogor University of Agriculture, PSP bulletin, Volume 21 No. 2 edisi Agustus 2013	May 2013	BBPPI, IPB (Bogor Univ of Agriculture)	
		MOU signed between APRI and University of Dipenogoro (UNDIP) for a community management project, focusing on education and trialing of sustainable polices and practices dependent upon the needs of the people that will have implications throughout the region	June 2013	UNDIP	
		UNDIP promoted Community Management Project at IOPAC (indian Ocean and Pacific Conference) - Bali	June 2013	IOPAC, MMAF	
		NFI Crab Council and APRI speech in ACOFB (Asia Conference on Food Security and Blue Growth) – Bali about public private partnership of fisheries sustainability program	June 2013	APRI, MMAF	
		Bupati, the head of	July 2013	APRI, UNDIP,	

		Demak Regency met blue swimming crab stakeholders of Betahwalang village, fisher groups, UNDIP, APRI and NFI Crab Council representatives. Community based fishery management is officially launched in Demak		Bupati Demak, NFI Crab Council	
		National Workshop "Blue Swimming Crab Fishing Management in Northern of Java"	October 22, 2013	APRI, BBPPI	Recommendation based minimum legal size to 10 cm and collapsible traps as fishing gears
	Fish biomass is about to increase	APRI first blue swimming crab eggs-hatchery has established in Betahwalang, Demak, and supported by community	September 15, 2013	APRI, Betahwalang fishers	
		Fishing gears exchanged from trawl to collapsible trap: 2800 traps have been handover to fishers	September 19, 2013	BBPPI, Demak Fishers, Cirebon Fishers, Semarang Fishers, South Sulawesi Fishers	
		First FIP stakeholders meeting in Bangkok, and site visit to Crab Hatchery in Thailand	December 16, 2013	NFI Crab Council, ASEAN MARKET	
		MOU APRI-P4KSI for Stock Assessment study signed	October 4, 2013	P4KSI-MMAF	http://p4ksi.litbang.kkp.go.id
		MOU APRI-IMACS for SPR Data management signed	October 10, 2013	IMACS	http://www.imacsindonesia.com/v5/index.php/en/
		Workshop for Enumerator Data Collection and Stock Assessment	December 19, 2013	APRI, P4KSI, SDI, Komnas, SFP, IPB	
		Nursery and Habitat Conservation	December 27, 2013	APRI, LP2RL, UNDIP,	

		launched in Demak Regency		BBPPI, Fisher, Betahwalang Village, Demak Regency Govt	
		Lit Review	1/3/2014	P4KSI	
		Assessment Proposal	1/3/2014	P4KSI	
		Work Plan (2014-2015)	1/3/2014	P4KSI / APRI	
		Budget (2014-2015)	1/3/2014	P4KSI / APRI	
		Enumerator Training	1/1/2014	P4KSI / APRI	
		Java Sea Mid Year Report	1/8/2014	P4KSI	
		Kendari Data Collection	1/9/2014	APRI	
		Completed SPR Assessment (SULTRA)	1/9/2014	IMACS	
		Harvest Control Rules (SULTRA)	1/7/2014	DMC	
		Target Ref. Points (SULTRA)	1/10/2014	DMC	
		Management Framework	December 2014	MMAF	
		DMC meeting, review data and mgmt. inputs.	1/10/2014	APRI	
		MSC Gap Review WPP 712	February 2014	APRI / MRAG	
		MSC PA Kendari	1/8/2014	IMACS / SAI	
		Mini symposium on implementing sustainable fisheries management.	February 27, 2014	NOAA / FPIK / UNDIP / APRI	
		APRI members quarterly meeting. Review of co-management project with UNDIP were among the topics of discussion. UNDIP's Q1 works and financial report were discussed.	February 14, 2014	APRI	
		IMACS technical meeting with stakeholders to review data collection and data collected for	3/3/2014	IMACS/APRI	

		calculating SPR to implement harvest controls in Kendari			
		Proposed Harvest Control Rules as result of a rapid and grass-roots approach to stock assessment methodology catered to data deficient small scale fisheries.	12/5/2014	IMACS/APRI	
		APRI 2nd Quarterly Meeting	12/6/2014	APRI	
		P4KSI Sea Survey	June 18, 2014	P4KSI	
		APRI agreed to solicit MRAG fishery consultants to help with future scoping and FIP planning of their BSC FIPs.	2/7/2014	APRI/MRAG	
		SULTRA, Southeast Sulawesi, APRI completed the final milestones of a small-grant program funded by USAID/IMACS (Indonesian Marine and Climate Support).	1/9/2014	APRI/IMACS	
		Directorate General of Fishery Products and Marketing of Ministry of Marine Affairs and Fisheries wrote and sent a memo to all Head of Provincial Fishery Offices in 33 provinces in Indonesia to inform them about the minimum size requirement imposed by NFI Crab Council and encourage its implementation by	11/4/2015	Directorate General of Fishery Products and Marketing of Ministry of Marine Affairs and Fisheries	

		crab exporters, processors, and miniplants.			
		Workplan with annual improvement milestones publicly available	12/4/2015		
		Java Sea Annual Review	1/2/2015	P4KSI / APRI	
		Ministry Decree on minimum size catch and berried female, and fishing gear regulation	1/1/2015	KKP	
		Bio-economic workshop	1/1/2015	SFP, UNDIP, APRI	
		FIP+	3/1/2015	SFP	
		Control document trial in Lampung, Madura and Kendari	April-December 2016	SFP/APRI	
		Annual Stakeholders Meeting FIP review 25-26 Feb 2015	2/1/2015	APRI, P4KSI-MMAF	
		MoU APRI-IMACS for FIP in Kendari signed	April	APRI, IMACS	
		Trial logbook system in Kendari	May-Aug	IMACS	
		Risk Based Framework in Sultra completed	August	APRI/IPB	
		SULTRA, Southeast Sulawesi, APRI completed the final milestones of a small-grant program funded by USAID/IMACS (Indonesian Marine and Climate Support).	1/9/2015	APRI/IMACS	
		FIP Conference in Bangkok	November	NFI	
		Training on control document	November	SFP/APRI	
		Online information sharing among members of FIP has been developed.	Regular website	APRI (www.apri.or.id)	

		APRI has facilitated regular quarterly FIP roundtable meetings since 2009	Regular meetings	APRI	
		NFI Crab Council meeting at Boston Seafood Shows to discuss the BSC fishery improvement project.	March 2010, March 2011, March 2015, March 2016	NFI Crab Council	
		APRI, supported by SFP, maintains consultation with Ministry of Marine Affairs and Fisheries to discuss efforts to improve BSC fishery sustainability.		APRI, SFP	
	Minimum Landing Size	MMAF make a new regulation/correction from a previous regulation in 2015 on minimum landing size, banning landing barred female	2016	MMAF	Peraturan MKP NOMOR 56/PERMEN-KP/2016
	Fishery Management Plan	MMAF issued Fishery Management Plan for Blue Swimming Crab	2016	MMAF	Peraturan MKP NOMOR 70/KEPMEN-KP/2016
	Co-Management	Establishment Co-Management in 4 provinces: East Java, Central Java, Southeast Sulawesi, and Lampung	2016	APRI, SFP, NFI Crab Council	
	I-Fish update, Vessel Identifier Code (VIC) system, and participatory data	I-Fish Working Group Discussion	March 30, 2016	APRI, MMAF, MDPI, WCS	APRI Website
	result from pre-inspection, finalization of schedule, the completeness of document	APRI attend Preparation Meeting about US-FDA Visit to Indonesia	March 31, 2016	APRI, MMAF, BKIPM	APRI Website

	related.				
		APRI visit to Seafood Expo North America 2016	March 6-8, 2016	APRI, NFI, MMAF, SFP	APRI Website
	reduction fishing mortality, increase biomass of the target stock, reduction bycatch or damage to marine habitats, increase in the population size of an impacted endangered species	APRI FIP rated B "Good Progress" by SFP	June 2016	APRI, SFP	
	Improve fisheries resource crab crab for farmers in the region of East Lampung	Lampung as a pilot project BSC management in Indonesia	July 22, 2016	APRI, MMAF	
		APRI presented Indonesian BSC FIP in Bangkok	July 28-29, 2016	APRI	
	observe the traceability and documentation process implemented	Control Document Trials in Three Supply Chains	August 2016	APRI, NFI, SFP	
	exchange from gillnets to collapsible traps	Gear Exchange Program	November 2016	APRI, SFP	
	Miniplant Certification Program and Control Document	APRI Quarterly Meeting 3	October 22-23, 2016	APRI, BKIPM and PDSPKP (MMAF), SFP, MSC, Starling Resourcer	
	how the arrest, the number of vessels used, and directly inspect the cleanliness of the facilities and infrastructure	US FDA visits PT BMI	April 2016	APRI, UD-FDA	

	of a crab meat processing				
		CARE & PSA Workshop	November 7-9, 2016	APRI, CARE, PSA, IPPRB	
	provide APRI and it's affiliated processors the means to verify the implementation of the control document	Independent Auditors Training on Control Document Implementation	November 23-26, 2016	APRI, SFP, NFI	
	minimum landing size, banning landing berried females, and banning mini-trawl gear	Hands on Training of Trainer on Control Document Implementation	November 28-30, 2016	APRI, SFP, NFI	
	improvement the quality of all activity from BSC exploitation and processing	Focus Group Discussion BSC Raw Material Partnership	November 25, 2016	APRI and Supplier	
		Non-Target Species (NTS) Assessment Report 2016	2016	APRI	
	discuss the BSC fishery activities in East Java province by the representation of all stakeholders in sustainable of BSC fishing activities.	Initiation of Collaborative Establishment BSC Management Committee in East Java	December 15, 2016	APRI, NFI, SFP, DKP East Java	
	Signing MoU with APRI, YBUL and Starling Recourses about Blue Swimming Crab Sustainable Fisheries Management Initiative	APRI End Year Quarterly Meeting 2016	December 16-17, 2016	APRI, MMAF, University, YBUL, SFP	
		FGD on mini plant certification and	December 23, 2016	APRI, BKIPM, Starling	

		government regulation in Lampung		Resources, YBUL	
		Government Decree on MSY, TAC and Exploitation Status in Indonesian Fishery Management Region	2017		
		Limited Discussion To Identify and Build Collection System, Management and Data Analysis Stock for Fish Resources (SDI) in WPP NRI	December 28, 2016	APRI, NGO's	
	Status of BSC Jakarta, Rembang, and Pamekasan	Stock Assessment Report 2016	2016	APRI	
	Decree on Blue Swimming Crab fishery management plan	Indonesia issued BSC Fishery Management Plan	2016		
	Discussed CASE and PSA Result	Phase II Workshop of Initiatives Sustainable BSC Management	January 27, 2017	APRI, YBUL, Moores Rowland	
	Work Plan Blue Swimming Crab Sustainable Management in Central Java	Initiation of Collaborative Establishment BSC Management Committee in Central Java	February 6, 2017	APRI, BBPI Semarang, NFI, University, DKP Central Java, SFP	
	Information about the catch per unit effort, the identification BSC spawning Location and fishing locations in East Lampung based on satellite and mobile phone	Initiative Meeting Action Plan for BSC Management in Lampung	February 14, 2017	APRI, MMAF, SFP	
	Sustainable crab fishery activities by	Initiation of Collaborative Establishment BSC	March 10, 2017	APRI, DKP Kendari, SFP, NFI,	

	representation of all stakeholders in the BSC activities	Management Committee in Kendari, Southeast Sulawesi		University	
		APRI participated at Boston Seafood Expo, North America 2017	March 19-21, 2017	APRI	
	Discuss the current available biological, socio and economic data and information gathered so far, and identify the gaps	APRI-SFP-FPIK IPB Held Event Sciences-Business Forum for Indonesian Blue Swimming Crab	April 17-18, 2017	APRI, NGO's, MMAF, University, Fishermens, Miniplants, Enumerators	
	Established Global FITI Standard, Bali Declaration on the Fisheries Transparency Initiative	APRI Attended the 2nd International Fisheries Transparency Initiative (FiTI) Conference	April 27, 2017	APRI, MMAF, NGO's	
	Maintain the continuity business of pasteurized BSC Meat environmentally friendly	APRI Quarterly Meeting 1 2017	April 29, 2017	APRI, NFI, MMAF, UNHAS	
	Distribute more selective gears for the small-scale fishers	APRI Invited by Jepara Fisheries Department on Event Training of Trap Making for Blue Swimming Crab 2017	May 2-4, 2017	APRI, DKP Jepara	
	Global trends driving sustainable value chains	Global Sustainability Standards Symposium, 3rd May 2017	May 3, 2017	APRI, ISEAL, UNIDO, KADIN, IMI	
	Crab pot is used to collect	Crab Pot Application by BSC Fishermen in	May 2, 2017	APRI, BBPPI Semarang	

	Egg Buried Females crabs	Jepara, Central Java			
		Workshop on Management Planning of Blue Swimming Crab Fishery in Lampung Province	May 8-10, 2017	APRI, IPPRB,	
	Gather the latest information and scientific studies on several important fisheries resource groups in Indonesia	APRI Executive Director Invited as Speaker in Event National Symposium Crustacea	May 15-16, 2017	APRI, MMAF, University and researchers	
	Installation PDS equipment to several vessel in Madura	PDS Installation in Madura to support Sustainability and Traceability of BSC Fishery Product in Indonesia	May 17, 2017	APRI	
	Make a good certification system on supplier/collect or for better management in future	Workshop Socialization of Certification System in Fish Handling to Supplier / Collector	May 2017	APRI, BPPI Semarang, BKIPM-MMAF	
		Focus Group Discussion Certification and Quality Standards in BSC Miniplant	June 5, 2017	APRI, DKP Medan, MMAF (BKIPM, PDSPKP)	
		APRI Apperance to BSC miniplant arround Medan	June 2-4, 2017	APRI	
	Implementation of management planning of BSC fishery in Lampung	Workshop on Management Planning of Blue Swimming Crab Fishery in Lampung Province	June 14-15, 2017	APRI, DKP Lampung, IPPRB, MMAF, YBUL, Moore's Rowland	
	Meet the needs of SIMP (Seafood Import Monitoring Program) from	Control Document Training V.2.0	January 8, 2018	APRI, NFI, SFP, UNDIP	

	the US Government				
	Assess the data needs and opportunities of the Blue Swimming Crab (BSC) fishery	Vessel Tracking Instalation in BSC Fishermen Boat in Betahwalang, Demak, Jawa Tengah	January 9 2018	APRI, SFP, LP2RL	
		Socialization Of The Use Of The Vessel Tracking In The Management Of BSC Fishery In Betahwalang, Demak, Jawa Tengah	February 13 2018	APRI, LP2RL, APRI, UNDIP	
	Improve compliance among producers as well as facilitate supply chain to achieve accountability, traceability and verification	Third Party Auditor Training V.2.0	February 9 2018	APRI, SFP	
	Colaboration All BSC Stake holder to maintain the sustainability if BSC Fishery	Coordination Meeting Of Blue Swimming Crab Fisheries In Indonesia	February 27, 2018	MMAF, APRI, NFI, SFP, RARE	
		Field Visit of Director General of Capture Fisheries MMAF of Betahwalang Village, Demak, Central Java	March 2, 2018	MMAF, APRI, SFP, RARE, UNDIP, NFI	
		Trial Visit Audit Control Document V.2.0 in Three Suppply Chain	March 1-3, 2018	APRI, SFP	
	Give the report about Indonesian Fisheries Improvement Program (FIP)	APRI Report Indonesian Fisheries Improvement Program at The NFI Annual Meeting And SENA 2018	March 11-12, 2018	APRI	
	Conduct MSC Capacity	APRI At The MSC Capacity Building	March 19-23, 2018	APRI, MSC IPNLF, AP2HI,	

	Building Training	Training			
	Inform the college students about blue swimming crab	Apri Share About The World Of Bsc To College Students	March 25, 2018	APRI	
	Seek sustainable BSC management efforts to ensure raw material availability and increased income of East Java fishermen	Sustainable BSC Management Efforts to Ensure Raw Material Availability and Increased Income of East Java Fishermen	April 2-3, 2018	MMAF, APRI, SFP	
	Assess the data needs and opportunities of the Blue Swimming Crab (BSC) fishery	Vessel Tracking System Installation in Tayu Central Java To Support Sustainability and Traceability in BSC Fisheries	April 3, 2018	APRI	
	Evaluating activity strengthening fisherman society of BSC sustainable fisheries management in Betahwalang Demak, Central Java	Evaluation Activity Strengthening Fishermen Society of BSC Sustainable Fisheries Management In Betahwalang Demak, Central Java	April 4-5, 2018	APRI, SFP, NFI	
	Develop the understanding of the SIMP regulation	SIMP Regulation Discussion Meeting For Fish and Fishery Product	April 12, 2018	APRI, MMAF	
	Maintain the continuity business of pasteurized BSC Meat environmentally friendly	APRI First Quarterly Meeting	April 14, 2018	APRI	
	Help the APRI and members prepare for future MSC certification	MSC Representative Visit To Several BSC Supply Chain APRI Members of APRI	May 26, 2018	APRI, MSC	
	Improve BSC	The stocking of	June 4,	APRI, BBPAP	

	fisheries in Indonesia	33,800 seeds of BSC increased the research collaboration of crab ponds between APRI and BBPBAP Jepara	2018	Jepara	
		The Harvesting of Blue Swimming Crab Collaboration Between APRI and BBPBAP Jepara	September 19, 2018	APRI, BBPAP Jepara	
	Inform the traceability system to fishermen, collectors, and businessman from fisheries industry	The Review of The Application of Traceability System in Fish Processing Unit and Supplier	September 28, 2018	APRI, MMAF	
	Provide a platform where swimmer crab FIP managers can learn from each other and better work together moving forward	APRI Attended The 2nd Meeting for Swimmer Crab Fishery Improvement Project Managers	September 28 – October 1, 2018	APRI, NFI Crab Council	
		The Pest Control Professional Certification Institute, Disease and Quality of Fish	October 2, 2018	APRI, MMAF	
	Develop the understanding of blue swimming crab fishery regulation	The Meeting to Develop the Understanding and Application of the Rules in Blue Swimming Crab Fisheries Management in Central Java Province	October 3, 2018	APRI, MMAF, SFP, Fishermen, Miniplant/Suppliers, DMAP of Central Java, BKIPM of Central Java	
	Maintain the continuity business of pasteurized BSC Meat environmentally friendly	APRI 3rd Quarterly	October 13, 2018	APRI	

	Mapping the miniplant and Develop the understanding of BSC fishery regulation	Focus Group Discussion: Mapping Miniplant of Blue Swimming Crab in Bangka Belitung	October 15, 2018	APRI, BKIPM of Bangka Belitung, Miniplant, Bappenas	
		Focus Group Discussion Socialization and Certification of Quality Standards Product in Miniplant at Surabaya, East Java	October 19, 2018	APRI, SFP, Fishermen, Miniplant/Suppliers, DMAF of East Java, BKIPM of East Java	
	Build knowledge about traceability in fisheries product	APRI Share the Knowledge about Traceability System at the Final Product and Raw Material Traceability Identification	October 25 2018	APRI, BKIPM, MMAF, Fishermen and other fishery stakeholder	
		APRI Participates the Our Ocean Conference 2018	October 29-30, 2018	APRI, MMAF, other NGO	
	Build knowledge about traceability in fisheries product	Traceability Identification of Final Product and Raw Material, Giving APRI the Opportunity to Share About Traceability System	November 1, 2018	APRI, BKIPM, MMAF, Fishermen and other fishery stakeholder	
	Facilitate the funding partners to see directly the field condition at the several industries of blue swimming crab supply chain in Lampung	APRI Participates the Lampung Site Visit	November 3-5, 2018	APRI, SFP. Starling Resources, EDF, YBUL	
	Maintain the quality warranty system and fisheries product security	Competent Authority Management Review of Quality Warranty System and Fisheries Product Security	November 13-15, 2018	BKIPM, MMAF, APRI and other fisheries stakeholder	
		APRI Participates	November	Bappenas,	

		the Focus Group Discussion with Bappenas	14, 2018	APRI, and other fisheries stakeholder	
		Review the application of traceability system for Fish Processing Unit (UPI) and suppliers	November 16-17, 2018	BKIPM, MMAF, APRI	
	Mapping the miniplant and develop the understanding of BSC fishery regulation	Makassar, Focus Group Discussion: Mapping Miniplant of Blue Swimming Crab	November 21, 2018	Bappenas, UNDP, APRI, BKIPM of South Sulawesi, DMAF of South Sulawesi Suppliers/Miniplant	
	Give the information about APRI and APRI's programs	APRI Participating the Seafood Show Asia 2018	November 21-24, 2018	APRI, MMAF, AP5I, VASEP	



FIP SUMMARY

2017-2018

SUMMARY



In 2017-2018 APRI continued the stock assessment program that had been carried out previously. Data collection to monitor important points in the crab supply chain was also carried out using assistance from enumerators spread across nine locations, namely Medan, Sampit, Jakarta, Pemalang, Pati, Gresik, Sidoarjo, Pamekasan, and Kendari. The enumerators have the duty to record landing report data, biological data collection, and Non Target Species (NTS).

Landing Report Data Collection, Including: fishing ground, landing report location, Fishing gear, Number of catch, and Arrest time. Blue Swimming Crab Biological Data Collection, Including : Carapace Length (CL), Carapace Width (CW), Weight, Maturity Level, and Sex. Sementara itu Non Target Species/Bycatch Data Collection, Including : Total Weight Retained dan Total Weight Discards. Data that has been collected will be analyzed to produce data namely Spawning Potential Ratio (SPR), LCCC (Length and Converted Catch Curve), Growth, Mortality Level, Size at first maturity level, size at first arrest, carapace width-weight relationship, Productivity and susceptibility analysis. These data will be used as a reference for conducting fisheries improvement programs.

In an effort to carry out a sustainable crab fisheries program and efforts to provide a legal umbrella in the management of crab fisheries. APRI collaborated with the provincial government of Central Java, Southeast Sulawesi and Lampung to regulate regulations regarding the management and utilization of crab fisheries. As a result of the collaboration in 2017 the Central Java provincial government issued Governor Decree No. 523/93/2017 besides the Governor of Central Java Province also issued Governor Regulation No. 33 of 2017 concerning the management of lobsters, crabs and crabs. The regulation has also been socialized to all stakeholders on August 15, 2017 at the Central Java Provincial Office of Maritime Affairs and Fisheries. Meanwhile the collaboration with the Southeast Sulawesi provincial government also produced a Decree of the Governor of Southeast Sulawesi number 289/2017 which contained the management of crabs. As an output of cooperation with the Lampung provincial government in 2018 the Lampung provincial government also issued a Governor's Decree number G / 165 / V.19 / HK / 2018.

The document and audit control system is implemented in 2017 until now. To improve the quality of production and maintain the sustainability of crabs. Preparations and training regarding control documents and audits were also

prepared by APRI. In January 2018 a V.2.0 document control training activity was held to provide understanding to all APRI members regarding the urgency and benefits of implementing a document control system. While the auditor training on February 9 2018 and the audit Trial was conducted in February to March 2018. The control document system was also socialized to all crab stakeholders in all levels from fishermen to UPI. This activity is carried out in stages in various regions in Indonesia such as Medan, Surabaya, Semarang, Kendari, Betahwalang, etc. This is aimed at building understanding of rajungan fisheries stakeholders regarding control document, enforcement of MMAF regulation number 56 in 2016 and product traceability.

At the level of Miniplant, APRI has been carrying out data collection and mapping of Miniplant since 2017. It aims to identify and build collaboration in managing Rajungan fisheries, considering that miniplants and fishermen have an important role in this fishery sector due to direct contact with resources in nature. To solve the problems that occur in the field and as an effort to build collaboration APRI collaborates with related institutions such as BKIPM, Bapenas, DKP, and so on to hold FGD Mapping Miniplant activities in various regions in Indonesia such as Medan, Lampung, Madura, Cirebon, Semarang, Surabaya, Pangkal Pinang, Makassar etc. Through this FGD APRI also socialized document control and traceability systems.

As a real and strategic step from APRI, various programs and activities to improve BSC fisheries in Indonesia are being developed in several regions. One of the programs that is favored is the research program of crab pond cultivation. This is expected to be a solution to the increasing fulfillment of industrial raw materials. This activity is a collaboration between APRI and the Jepara Brackish Water Aquaculture Center (BBPBAP) which was discussed and agreed upon at the 3rd APRI Quarterly Meeting in Semarang on October 14, 2017 before. The purpose of developing crab cultivation technology in ponds is to produce crabs in order to meet the raw material needs of the processing industry. For the goal to be achieved is to make crab as a prospective commodity and expected to have an impact on improving the welfare of coastal communities or cultivators. As a follow up to the research activities of this crab pond cultivation, on June 4, 2018, there were 33,800 BSC seeds stocking in the crab research pond located in Jepara. The Harvesting activity was held on September 19, 2018 at BBPBAP Jepara, the BSC harvest was held and attended by several members of APRI namely: PT Kelola Mina Laut, PT Bumi Menara Internusa, Handy Seafood International, PT Grahamakmur Ciptapratama, PT Muria Bahari Indonesia, PT Sumber Mina Bahari. The BSC harvesting process also includes the steaming process to obtain the Raw Material (RM) and Raw Cook (RC) quantities. Harvested results were 125.94 kg of RM and 98.11 kg of RC with a range of 1680 BSC. The process of BSC cultivation carried out by APRI in collaboration with BBPBAP Jepara, naturally experienced various obstacles. This BSC cultivation process provides very

useful experiences and learning. It is hoped that with enthusiasm and perseverance, the BSC cultivation program can be better and continues to grow to be able to obtain optimum results and maintain the sustainability of the BSC, moreover to be able to increasing it.

APRI has also released a mobile application to support the document control process and traceability, namely APRI Aps. This application is intended for all APRI members and their miniplants / suppliers. In its use the features in APRI apps are divided into two levels of users, namely suppliers and company. It aims to guarantee data validation and divide tasks according to their respective roles. Users at the supplier level have the right to input landing, cooking, picking and shipping data. While company level users have the right to assess the products sent by suppliers to company. This application has a variety of menus such as dashboards that contain information about companies, users, miniplants and suppliers. The data menu used to input miniplants and suppliers profile. The process of inputting data for landing, cooking and picking can be done on the activity menu. Report menu used to see all data from landing, cooking and picking results, besides that in this menu there are features of shipping and receiving blue swimming crab products that are used by miniplants and FPU to transact. In addition, there is an approval menu that can be used by users at the company level to provide approval for the miniplant to transact.

Currently the use of applications has been introduced to all APRI members and its miniplants. It is expected that in December 2018 this mobile application can be used.





INDONESIA FIP SUMMARY

INDONESIAN FIP PROGRESS

1 - Sustainable fish stocks

Indicator	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Stock status outcome (1.1.1)</u>	<60	<60	60-79	60-79	--	--
<u>Stock rebuilding outcome (1.1.2)</u>	<60	<60	<60	60-79	--	--
<u>Harvest strategy (1.2.1)</u>	<60	<60	<60	60-79	--	--
<u>Harvest control rules & tools (1.2.2)</u>	<60	<60	<60	60-79	--	--
<u>Harvest strategy information & monitoring (1.2.3)</u>	<60	<60	60-79	60-79	--	--
<u>Assessment of stock status (1.2.4)</u>	<60	<60	60-79			

2 - Minimizing environmental impact


Indicator	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Primary species outcome (2.1.1)</u>	<60	80+	80+	80+	--	--
<u>Primary species management (2.1.2)</u>	<60	80+	80+	80+	--	--
<u>Primary species information (2.1.3)</u>	<60	<60	80+	80+	--	--
<u>Secondary species outcome (2.2.1)</u>	<60	<60	60-79	60-79	--	--
<u>Secondary species management (2.2.2)</u>	<60	<60	<60	<60	--	--
<u>Secondary species information (2.2.3)</u>	<60	<60	80+	80+	--	--
<u>ETP species outcome (2.3.1)</u>	60-79	<60	80+	80+	--	--
<u>ETP species management (2.3.2)</u>	<60	<60	80+	80+	--	--
<u>ETP species information (2.3.3)</u>	<60	<60	80+	80+	--	--
<u>Habitat outcome (2.4.1)</u>	60-79	<60	<60	<60	--	--
<u>Habitat management (2.4.2)</u>	<60	<60	<60	60-79	--	--
<u>Habitat information (2.4.3)</u>	<60	<60	<60	80+	--	--

Indicator	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Ecosystem outcome (2.5.1)</u>	<60	<60	<60	<60	--	--
<u>Ecosystem management (2.5.2)</u>	<60	<60	<60	60-79	--	--
<u>Ecosystem information (2.5.3)</u>	<60	<60	<60	80+	--	--

3- Effective management

Indicator	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
<u>Legal/customary framework (3.1.1)</u>	60-79	<60	60-79	80+	--	--
<u>Consultation, roles & responsibilities (3.1.2)</u>	<60	<60	60-79	80+	--	--
<u>Governance/policy long-term objectives (3.1.3)</u>	60-79	60-79	60-79	80+	--	--
<u>Fishery-specific objectives (3.2.1)</u>	<60	<60	60-79	60-79	--	--
<u>Decision-making processes (3.2.2)</u>	<60	<60	<60	60-79	--	--
<u>Compliance & enforcement (3.2.3)</u>	<60	<60	60-79	60-79	--	--
<u>Monitoring & management performance evaluation (3.2.4)</u>	<60	<60	60-79	60-79	--	--

STAKEHOLDERS AND PARTNERS

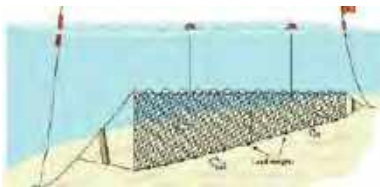
<i>Private Sector:</i>	APRI PROCESSORS
<i>Mgmt Committees</i>	Data Management Committee (DMC), Kendari + Tiworo Strait; Komunitas Rajungan
<i>Government:</i>	MMAF (Ministry of Marine Affairs and Fisheries), P4KSI (Agency for Marine Research + Development), SDI (DG Capture Fisheries), DKP Kendari, DKP Demak, BBPPI (DG Fisheries Research for Fisher Resource Development), DG of Fishery Quarantine + Inspection Agency, P2HP (DG Fisheries Product Processing Marketing)
<i>Academia:</i>	UNDIP (University Dipenogoro, Demak), UHO (University Halu Oleo, Southeast Sulawesi), Bogor Agricultural University (IPB) 
<i>NGO/AID:</i>	USAID-IMACS, SFP (Reporting), Starling Resources
<i>Technical</i>	Michael De Alessi, University of Washington; Michael abbey, NOAA Fisheries, Neel Inamdar, Sven Blankenhorn
<i>FIP Manager:</i>	Dr. Hawis Madduppa

SCOPE

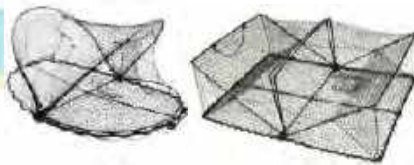
Area: Java Sea; SE Sulawesi



Gear: Coastal bottom-set gillnet and trap fisheries



Bottom-set gillnet



Collapsible crab trap

FIP ACTIVITY TABLE

FIP Activity	Indicator	Tasks	Status
Conduct study on habitat and ecosystem impact	<ul style="list-style-type: none"> Management Strategy for BSC Management of BSC Fisheries with the Ecosystem Approach in the Java Sea Waters (WPP NRI 712) Biology of the crab population (<i>Portunus Pelagicus</i>) and the characteristics of its essential habitat for early protection 	<ul style="list-style-type: none"> Collect and analyze sample for genetic distribution Conduct data collection on blue swimming crab habitat distribution Sea grass and coral reef monitoring Establish habitat protection 	On Track
Contribute to development of harvest strategy for Indonesia BSC	<ul style="list-style-type: none"> MMAF Regulation No. 70 /2016 Ministerial Decree draft on the management of crab fisheries in WPP NRI 	<ul style="list-style-type: none"> Conduct workshop on Harvest Strategy and Harvest Control Rules 	On Track
Establish Indonesia BCS fisheries Co-Management at local level	<ul style="list-style-type: none"> Report of National Coordination Meeting BSC Management in WPP 712 and SE. Sulawesi Governor regulation number 33/2017 Central Java MMAF regulation No. 70 /2016 	<ul style="list-style-type: none"> Conducts Meeting At National Provincial, District And Village Levels Develop And Implement Agreed Action Plans 	On Track
<u>Fishing effort studies</u>	<ul style="list-style-type: none"> MMAF regulation No. 70 /2016 	<ul style="list-style-type: none"> Data collection on fishing efforts from all gear types used in blue swimming crab fishery Data analysis conducted in partnership with Research Centre 	On Track
<u>Implement control document to improve compliance</u>	<ul style="list-style-type: none"> MMAF Regulation No. 70 /2016 Governor Regulation No. 33/2017 Central Java 	<ul style="list-style-type: none"> Trial Control Document Control document implementation to improve compliance and traceability, and etc. 	On Track

<u>and</u> <u>traceability</u>		<ul style="list-style-type: none"> • Miniplant mapping 	
Non Target Species Field Assesment - Using the Marine Stewardship Council's Risk Based Framework for Data Limites Fisheries	<ul style="list-style-type: none"> • APRI NTS Assessment Report 2016 	<ul style="list-style-type: none"> • Hire and train enumerators for doing data collection for NTS and enumeration • Data collection and logbook • Data analysis • Risk Based Framework Assessment 	On Track
Stock Assessment	<ul style="list-style-type: none"> • Presentation From Chairman of KOMNASSAJIKAN about the update of Potential estimation and Pemanfaatan Status • Report of BSC Stock Assessment-KKP And APRI • APRI NTS Assessment Report 2016 	<ul style="list-style-type: none"> • Hire and train enumerators for doing data collection for NTS and enumeration • Data collection and logbook • Data analysis • Risk Based Framework Assessment 	On Track
Stock enhancement dan restocking of blue swimming crab (Portunus pelagicus)	<ul style="list-style-type: none"> • Blue Swimming Crab Harvests • MOU BBPBAP Jepara and APRI (BSC Aquaculture) 	<ul style="list-style-type: none"> • Work with Jepara Brackish Water Aquaculture Center (BBPBAP) • Identify restocking areas • Conduct restocking activities • Monitoring the impacts 	On Track





NEWS



SOCIALIZATION OF THE USE OF THE VESSEL TRACKING IN THE MANAGEMENT OF BSC FISHERY IN BETAHWALANG, DEMAK, CENTRAL JAVA



Diponegoro University, LP2RL and SFP held FGD activities Socialization of the use of vessel tracking in the management of BSC fishery in Betahwalang, Demak, Central Java. This activity was held on 13 February 2018. APRI was also invited to attend this event and represented by APRI Field Coordinator Miftahul Khair. This meeting was attended by 45 fishermen involved in Fishery Stewardship Program, DKP Central Java Province, DKP Demak Regency, Diponegoro University, Enumerator and Dr. Soenaryo – Team Leader Accelerated development of Central Java Province and NFI Crab Council

This Meeting was opened by Chairman of LP2RL. LP2RL Betahwalang is grateful for the presence and participation of this activity and expecting this activity could improving the welfare of the fishermen in this village. “Everyone knows that this resources need to be preserved and preserved for all of us. Regulations issued by the minister of Fisheries and Maritime Affairs for not catching small crabs and egg berried female should be increasingly aware of this so that the future can be sustain. This potential source can be be used by our children in the future” said the chairman of LP2RL.



Dr. Abdul Ghofar from NFI Crab Council also shared the need to preserve the crabs in the region and become a challenge to manage the BSC in Betahwalang. He was appreciated this activities. “This is a direct command from the governor of Central Java Province who told me to come here because he is very concerned about the management of BSC fishery, lobsters and mud crabs” said Dr. Sunaryo. It was expexted from this activity can support the BSC improvement management in Betahwalang.

EVALUATION ACTIVITY STRENGHENING FISHERMEN SOCIETY OF BSC SUSTAINABLE FISHERIES MANAGEMENT IN BETAHWALANG DEMAK, CENTRAL JAVA

BSC sustainable management activity in Betahwalang Village, Demak District, Central java have started in September 2017 to date have undergone several



Management In Betahwalang Demak, Central Java.

developments. This meeting event was held on 4-5 April 2018 in Unggaran, Semarang Central Java Province and attended by several representatives from APRI, SFP, NFI Crab Council, Diponegoro University, LINI – The Indonesian Nature Foundation and Enumerators. This 2 days meeting was discussed about Evaluation Activity Strengthening Fisherman Society of BSC Sustainable Fisheries

Management In Betahwalang Demak, Central Java.

BSC sustainable management activity in Betahwalang Village, Demak District with the aim of: i) encouraging fishermen to improve compliance; ii) the conversion of gear to environmentally gear type; iii) minimize the impact of losses that may be incurred as a result of the application of the rules and; iv) mapping the conservation area in Betahwalang through collaboration management. The management activities of BSC fisheries in Betahwalang, Demak are: i) data collection and management activities to support traceability, recording and compliance improvement system; ii) strengthening the capacity of communities and fishermen institutions in managing fishery resources; iii) Vessel Tracking System to strengthen traceability system and conservation area determination; iv) make environmentally friendly fishing gear. Other than that in this meeting also discussed about Revise Work Plan and outsourcing need (human resources, budget, time line) for 5 Program component: 1) Data collection 2) Strengthening existing conservation areas 3) Crab cages for Egg berried female 4) Gear exchange 5) Strengthening policy support from government.



APRI FIRST QUARTERLY MEETING



The Indonesian Blue Swimming Crab Association (APRI) has held the First Quarterly Meeting in 2018 with the topic “Building a sustainable crab industry from capture and cultivation fisheries to meet international export and certification targets”. This meeting was held in Semarang, Central Java on April 14 2018. APRI also invited several speakers such as Mr. Sugeng Raharjo from the Brackish Water Aquaculture

Center (BBPBAP Jepara) to present the cultivation of the BSC cultivation program in

the pond. Mr. Hirmen Syofyanto (MSC) was also invited as a speaker on the Marine Stewardship Council Fish for Good – Indonesia. This is an attempt by APRI to prepare for the MSC certification process. In addition APRI also invited Mrs. Ir. Sri Rejeki (Diponegoro University) and all APRI members also attended this meeting.

“It should be understood that this year (2018) there is a Hazard Analysis and Risk-Based Preventive Control (HARPC) replacement of HACCP imposed April 1, 2018. This adjusts to the needs of each buyer and preparations should also begin. HARPC is almost the same as SIMP (Seafood Import Monitoring Program). Fisheries Improvement Program never stops. Outside parties are also always a concern. This is the key for us to always export the crab meat”, said APRI Chairman, Kuncoro Catur Nugroho. He also reported on the Development of Cultivation and APRI Activities in General.



Dr. Hawis Madduppa (APRI executive director) presented on the Role of APRI for the Progress of Improvement of Sustainable BSC Fisheries in Indonesia. “APRI itself is considered better in managing BSC fisheries, but this program will be better if it is not limited to meeting export needs. In addition to preparing the MSC Chain of Custody certification, APRI will improve the APRI Application System (APRI App) for all APRI members, because the APRI application aims to facilitate the traceability program, “he says. APRI Secretary Bambang Arif Nugraha also presented SIMP 2018 and also conveyed the condition of the latest BSC export value. In addition, Mr. Sugeng Raharjo (Head of BBPBAP Jepara) also conveyed the related activities of BSC cultivation. The background of this cultivation activity is of course to keep the crab stock awake and get the crab raw material for all APRI members. The most important factor of crab cultivation is keeping the salinity high enough. It also needs information where the right area and support for cultivation, so that the desired target can be achieved.

For MSC, this year MSC has a special program in Indonesia called Fish For Good. MSC is an NGO that is a non-profit institution and does not take advantage of the certification process and the aim is to ensure that fisheries resources continue to supply fishery products in the world. At the end of the meeting from this first

Quarterly Meeting, APRI distributes APRI membership certificates in 2018 as an appreciation to all its members.

THE STOCKING OF 33,800 SEEDS OF BSC INCREASED THE RESEARCH COLLABORATION OF CRAB PONDS BETWEEN APRI AND BBPBAP JEPARA



BSC is one of the important economic fisheries commodities in Indonesia. Besides being consumed domestically, crab meat is an important export commodity. High market demand coupled with favorable prices, has led to intensive exploitation of crab resources in Indonesia, mainly because of the fact that this crab production still relies on fishing from nature. To maintain the sustainability of the

BSC, it needs to be managed and utilized wisely by business actors and related stakeholders. To keep the supply of crabs in order to remain sustainable, APRI has been working with programs related to the continuity of BSC in Indonesia.

As a real and strategic step from APRI, various programs and activities to improve BSC fisheries in Indonesia are being developed in several regions. One of the programs that is favored is the research program of crab pond cultivation. This is expected to be a solution to the increasing fulfillment of industrial raw materials. This activity is a collaboration between APRI and the Jepara Brackish Water Aquaculture Center (BBPBAP) which was discussed and agreed upon at the 3rd APRI Quarterly Meeting in Semarang on October 14, 2017 before. The purpose of developing crab cultivation technology in ponds is to produce crabs in order to meet the raw material needs of the processing industry. For the goal to be achieved is to make crab as a prospective commodity and expected to have an impact on improving the welfare of coastal communities or cultivators. As a follow up to the research activities of this crab pond cultivation, on June 4, 2018, there were 33,800 BSC seeds stocking in the crab research pond located in Jepara.

The crab seed stocking activity was carried out together with the Director General of Aquaculture MMAF namely Mr. Slamet Subiakto along with the Chief of Ujitek and BBPBAP Jepara. With the implementation of the crab seeding activities, it is expected to help the research process of crab pond cultivation. Crab cultivation technology



itself has long been researched and

developed by researchers and engineers in the field of Indonesian marine and fisheries cultivation. The research / engineering shows significant results ranging from hatchery technology to enlargement in ponds. But the results were stagnant because there was no further development to be carried out en masse. For this reason, a pattern of cultivation development is needed by involving all interested stakeholders so that it will accelerate the process of developing crab cultivation in the community such as shrimp and other fish commodities. By involving all stakeholders so that the parameters of success and the impact of these activities can be measured and bring economic value. The development of crab cultivation that is carried out by BBPBAP Jepara in collaboration with the Indonesian Blue Swimming Crab Association (APRI) is expected to increase crab production and be a pioneer in the development sustainable of crab cultivation in ponds in Indonesia.

APRI QUARTERLY MEETING 2



conducted in Surabaya, July 20-21, 2018. This program attended by APRI Board, PDSPKP-KKP, BKIPM, BBPBAP Jepara, Sustainable Fisheries Partnership, and APRI Members.

In this 2nd Quarterly Meeting, there were several presenter with different presentation, such as Bambang A. Nugara as APRI's Secretary talking about the history of APRI, Lia Sugihartini as the representative of PDSPKP-KKP talking about the global demands and consumer striving that was more intelligent for sustainable blue

swimming crab product and the implementation of certification, Tri Handayani as the representative of BKIPM giving the information about the issues in the management of blue swimming crab, Desy Anggraini from Sustainable Fisheries Partnership presenting the objective and component in control document, Technical Team from BBPBAP Jepara about the agreement of developing blue swimming crab cultivation between BBPBAP Jepara and APRI, APRI Board about the APRI's focus, and the

APRI organized the quarterly meeting where in this year, this is the 2nd Quarterly Meeting. For this 2nd Quarterly Meeting in 2018, the theme was "2018 Control Document Implementation Program to Blue Swimming Crab Product which is Fulfill the Global Standard and Sustainable". The 2nd Quarterly Meeting



information about Fisherman Application. Moreover, this program also contained with interactive discussion from APRI Members.

THE HARVESTING OF BLUE SWIMMING CRAB COLLABORATION BETWEEN APRI AND BBPBAP JEPARA



The Blue Swimming Crab (BSC) fisheries will gradually decrease in the number of populations in the nature if the catch is carried out continuously without regard to the aspects of sustainability. As an organization that puts the focus on the management of BSC, the Indonesian Blue Swimming Crab Association/ Asosiasi Pengelolaan Rajungan Indonesia (APRI) also strives to make optimum use of the BSC and

maintain their sustainability in nature. This was realized by APRI in various activities including BSC cultivation.

The BSC cultivation that initiated by APRI in collaboration with BBPBAP Jepara has been going on for 3 months 11 days since the spreading of the crablets and was ready to be harvested. Then on Wednesday, September 19, 2018 at BBPBAP Jepara, the BSC harvest was held and attended by several members of APRI namely:

1. PT Kelola Mina Laut
2. PT Bumi Menara Internusa
3. Handy Seafood International
4. PT Grahamakmur Ciptapratama
5. PT Muria Bahari Indonesia
6. PT Sumber Mina Bahari



The BSC harvesting process also includes the steaming process to obtain the Raw Material (RM) and Raw Cook (RC) quantities. Harvested results were 125.94 kg of RM and 98.11 kg of RC with a range of 1680 BSC. The process of BSC cultivation carried out by APRI in collaboration with BBPBAP Jepara, naturally experienced various obstacles. This BSC cultivation process provides very useful experiences and learning. It is hoped that with enthusiasm and perseverance, the BSC cultivation program can be better and continues to grow to be able to obtain optimum results and maintain the sustainability of the BSC, moreover to be able to increasing it.

APRI ORGANIZE THE 3RD QUARTERLY MEETING



The develop of Fisheries Improvement Project in Indonesia was fast growing when the APRI members were initiate the blue swimming crab Fisheries Improvement Project (FIP) in national scale. One of the effort is organizing the quarterly meeting to discuss the development of blue swimming crab fisheries. At this time, the 3rd Quarterly Meeting was conducted by APRI on October 13, 2018 and take place in Surabaya.

APRI 3rd Quarterly Meeting attended by APRI Board and APRI Members.

APRI 3rd Quarterly Meeting opened by singing Indonesia Raya as national anthem of Indonesia, and continued by Mr. Kuncoro Catur Nugroho as APRI's Chairman to give the opening statement. In this 3rd Quarterly Meeting, there was several points to be discussed. The first point was the report of industrial issues by Mr. Bambang A. Nugraha. The second was the report of the development of FIP by Dr. Hawis Madduppa. The third was the development of APRI Apps by the representative of APRI Apps Team. The fourth was the development of control document implementation by Dr. Hawis Madduppa. And at the end of discussion, there was an internal meeting of APRI. The meeting was occupy well with good interaction between the presenter and participants.

There are many challenges for blue swimming crab fisheries in the future. APRI realize that the support from the all of stakeholder are very important including the APRI Members. By this quarterly meeting, we expected that all of APRI elements can always coordinate well, always develop the role to support the optimum and sustainable blue swimming crab fisheries. Together, we build the blue swimming crab fisheries which is always to be better.



APRI PARTICIPATES THE OUR OCEAN CONFERENCE 2018 IN BALI

Our Ocean Conference is an international scale program that was organized by the Ministry of Marine Affairs and Fisheries. In this year, the program was held on October 29-30, 2018 which was took place in Bali. Our Ocean Conference attended by various participants including various stakeholder in fisheries and marine sectors such as the ministry, agency, organization, NGO, scientist, researcher, and the others,

which were from Indonesia and other countries. There were several agendas such as seminar, talkshow, and booth exhibition from various organization.



In order to support the Our Ocean Conference 2018, APRI send the delegation to attends and participates the Our Ocean Conference 2018. APRI also participates the booth exhibition, joined with SFP and LINI. In the booth exhibition, APRI also showing the flyers that were contained various informations

about APRI and blue swimming crab. The activity was to share the information and knowledge about the condition of blue swimming crab, and the APRI's role to manage it.

After 2 days participates in the Our Ocean Conference 2018, APRI very grateful because of the opportunity to participates so that there were direct and indirect transfer of information from APRI to the wider public, and APRI also obtain the information from another organization, agency, etc, about the fisheries and marine sector as a knowledge to always improving the role to managing the blue swimming crab in Indonesia, moreover together we develop the fisheries and marine sector at every standpoints.



APRI PARTICIPATING THE SEAFOOD SHOW ASIA 2018



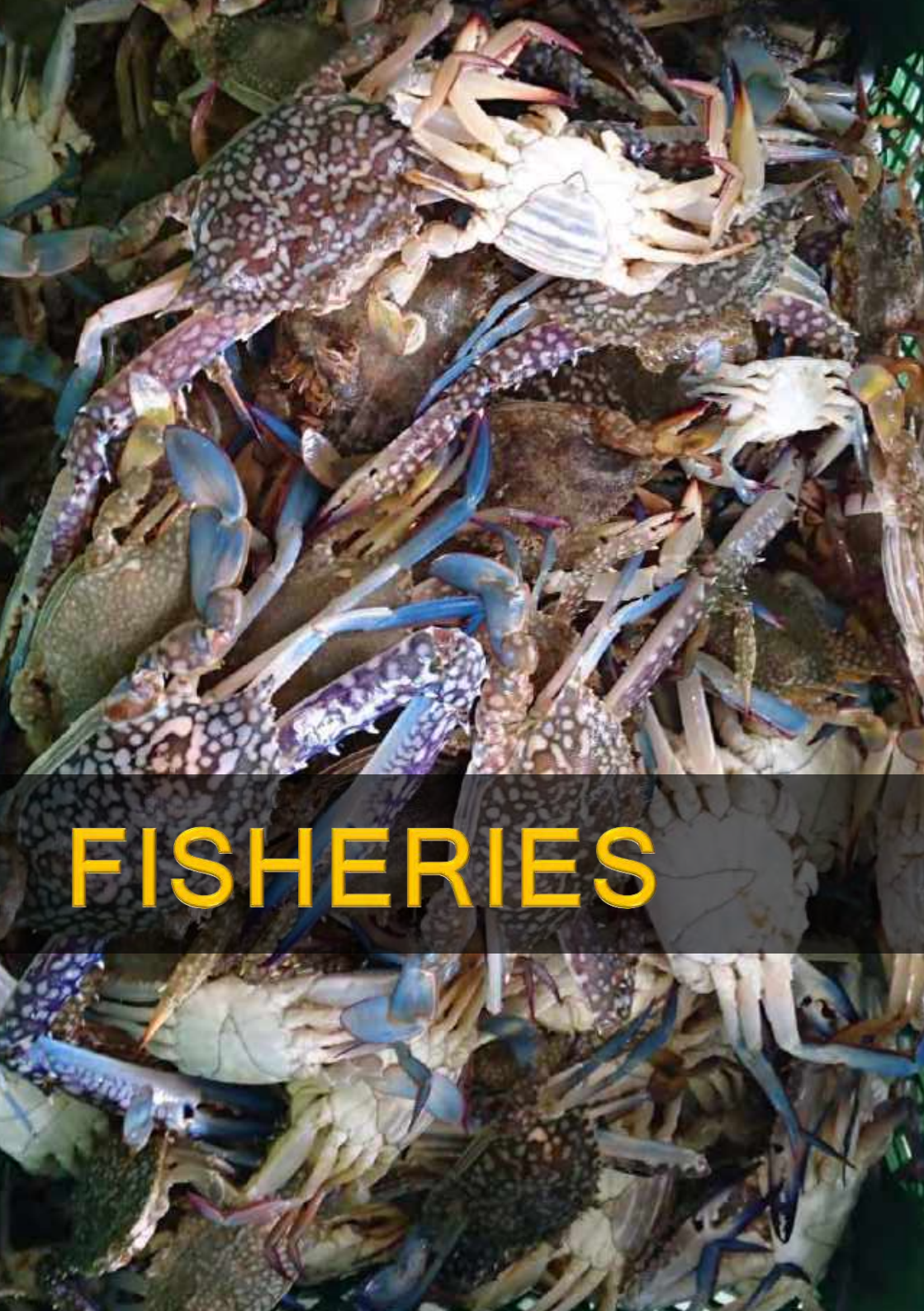
Seafood Show Asia 2018 is an international exhibition about seafood, seafood materials, products and processing equipments, and cold chain technology which is organized by the Ministry of Marine Affairs and Fisheries, Asosiasi Pengusaha Pengelolaan dan Pemasaran Produk Perikanan Indonesia (AP5I), Asosiasi Rantai Pendingin Indonesia, and Vietnam Association of Seafood Exporters and Producers (VASEP). Seafood Show

Asia 2018 is a part of SIAL Interfood 2018. SIAL Interfood 2018 is an international exhibition about the food and beverages products, technology, ingredients, additives, raw materials, services, equipment, and supplies which was held on November 21-24, 2018 at the JIExpo Kemayoran, Jakarta.

APRI as an organization which covers the industrial sector of blue swimming crab, also participates the Seafood Show Asia 2018. In this program, APRI show the booth that contain the standing banners, bulletins, flyers, and books which is involving the various information about APRI and APRI programs. And surely, APRI also show the blue swimming crab products from every members of APRI. Domestic and international visitors were interest with APRI. This is due to so many visitors come to APRI booth and interact with APRI staff.

SIAL Interfood 2018 itself participated by almost 1000 participants from 35 country. And the participants were from various background. The participation of APRI in Seafood Show Asia 2018 be expected that APRI is able to more widely known so that together we can guide our blue swimming crab for the better future.





FISHERIES

APRI REPORT INDONESIAN FISHERIES IMPROVEMENT PROGRAM AT THE NFI ANNUAL MEETING AND SENA 2018



APRI attended the largest seafood trade event in North America, which is now known as The Seafood Marketplace for North America/Seafood Processing North America/Seafood Expo North America for year 2018. This event was held on 11-12 March 2018 at Boston Convention and Exhibition Center, North America. The visit was related to Indonesian as a participant in Boston Seafood Expo. On this event, APRI members participated. APRI Board such as Hawis Madduppa (APRI's Executive and gives a presentation report about Indonesian Fisheries Improvement Program (FIP) at the NFI Crab Council Annual Meeting.

Seafood Expo North America is a leading trade event for seafood buyers in every market category including retail, restaurant, catering, food service and processing. The event attracts over 20,000 buyers and suppliers of fresh, frozen, packaged and value-added seafood products, equipment, and services. Attendees travel from more than 100 countries to do business at the exposition. No other event in North America provides seafood professionals with direct access to qualified buyers and suppliers representing all areas of the seafood industry.



APRI AT THE MSC CAPACITY BUILDING TRAINING



In connection with the increasing Fisheries Improvement Project (FIP) that has been done by several stakeholders in Indonesia, various efforts have been made for the success of this activity. One of the efforts is to conduct MSC Capacity Building Training. this activity is a cooperation project between Marine Stewardship Council Fish For Good Project with Indonesian Fisheries Pole & Line and Handline Association (AP2HI) with

International Pole and Line Foundation (IPNLF). In the activity invited various institutions ranging from government agencies, universities, scientists, industry representatives, NGOs and also APRI.

This activity was held for 5 days on 19-23 March 2018 in Jakarta. During the training, the participants were very enthusiastic about this training. Seen from the various questions raised by the participants to the presenters. Dr. Hawis Madduppa as Executive Director of APRI also presented about the fishery improvement program that has been done by APRI previously in front of participant . The participants also seemed very interested in the various programs implemented by APRI. It is hoped that this activity can give benefit especially for the fishery business actor and APRI itself.



APRI SHARE ABOUT THE WORLD OF BSC TO COLLEGE STUDENTS



APRI share about the world of Blue Swimming Crab (local name Rajungan) Fisheries to college students of Bogor Agricultural University (IPB) and Diponegoro University. This event was held on Sunday March 25, 2018 in Department of Marine Science and Technology, Faculty of Fisheries and Sciences, Bogor Agricultural University organized by Student Association of Marine

Science and Technology called HIMITEKA IPB. Dr. Hawis Madduppa as APRI Executive Director was invited as speaker in this event. He was present about the role of marine and fishery students for the BSC Fishery Improvement Program (FIP) in Indonesia.

The BSC FIP itself focus on Changing fishing practices more friendly (it does not catch small crabs, lay eggs, raise stocks and develop policies to protect and preserve bsc), Establish a fisheries management plan, including human resources that can protect the nursery ground and control the document, Implement FIP Work plan, including RPP of BSC, community-based management, spawning and nursery ground.

Various activities implemented by APRI to improve the FIP's such as Stock assessment activities with enumerators placement in several location in Indonesia to

collect biological BSC data, NTS (Non Target Species) to identify by catch from BSC Capturing Activities, Habitat and Ecosystems Impact to determine the genetic diversity and the connectivity of the population (*Portunus pelagicus*) in different parts of Indonesia and its implications for sustainable BSC fisheries, Document Control activities to improve the traceability systems, Co Management of The Fishery, Mapping Supply chain to identify the network of miniplants supplying each processor and verify the data gathered so far by industry and government in mapping out all the blue swimming supply chains in as much detail as possible to have better knowledge needed to implement Control Document, fishing gear swap to support the regulation of government and disseminate management catching BSC that are environmentally friendly and sustainable also Contribute to the government program to distribute more selective gears for the small-scale fishers and many other activities to support the FIP's.



The participants looked very enthusiastic about this activity seen from the many good questions posed by participants to Dr. Hawis Madduppa. Expected from this activity the students can understand the world of BSC fisheries in the future in order to help improve the BSC fishery in Indonesia.

APRI SHARING INFORMATION REGARDING SUSTAINABLE BSC FISHING IN INDONESIA AT THE IKKAN MEETING



Dr. Hawis Madduppa as APRI Executive Director attended a meeting held by IKKAN (Nusantara Marine and Fisheries Sustainability Initiative) in Jakarta on May 3, 2018. At this meeting various multi stakeholders from various fisheries in Indonesia were invited. In this activity he also had the opportunity to fill out events and presentations on sustainable

BSC fisheries in Indonesia carried out by APRI.

THE MEETING TO DEVELOP THE UNDERSTANDING AND APPLICATION OF THE RULES IN BLUE SWIMMING CRAB FISHERIES MANAGEMENT IN CENTRAL JAVA PROVINCE



Fisheries Improvement Program which is implemented by Indonesian Blue Swimming Crab Association/Asosiasi Pengelolaan Rajungan Indonesia (APRI) covers all of Indonesian water with objectives: Change the catch practices which is not environmental friendly, support policies about management of blue swimming crab that is sustainable, develop the understanding and awareness about the importance of the sustainability of blue swimming crab management, and develop the quality product so that appropriate with standard that was required by the market.

In February 27, 2018, the Meeting of Indonesia Blue Swimming Crab Coordination was held, and as the continuance of the program, in September 5-6, 2018 the Meeting of National Coordination of Action Plan and Implementation of Blue Swimming Crab Fisheries Management in Indonesia was conducted. For that reasons, APRI collaboration with BKIPM Central Java Province, and BP2MHP Central Java Province, supported by Fisheries Partnership conduct the Meeting to Develop the Understanding and Application of the Rules in Blue Swimming Crab Fisheries Management in Central Java Province at Meeting Room BKIPM Central Java Province, Semarang, Oktober 3, 2018. There were several outputs:

1. Standardization of blue swimming crab product that is appropriate with market requirements that were formed
2. CPIB and Product Appropriateness Certificate were ready to use
3. Document Control Completeness materials were ready to use for the necessity of capacity buildings
4. Agreement to do the blue swimming crab fisheries management which is sustainable and support the traceability and documentation system

In this program, there were several discussion which were being the main focus. The discussion opened by the chairman of DKP Central Java Province and then continued by:

1. APRI Secretary with discussing the Importance of the understanding and enforcement to the violation of KepMen No. 56/Th. 2016 that will



implicated negatively to the performer of industry in fishermans, collectors, or miniplants level

2. The chairman of Sub. Dit. LPTK – Dit. PSDI with discussing the management of blue swimming crab plan
3. Dit. PDSPKP with discussing about the development of quality that appropriate to the standard that set through the prout appopriateness certificate
4. BKIPM with discussing about the development of quality that appropriate to the standard that set through the CPIB
5. The chairman of BKIPM Central Java Province with discussing about the process and steps of CPIB
6. The chairman of BP2MHP CentralJava Province with discussing about the process and steps of production appropriateness certification
7. Executive Director of APRI with discussing the blue swimming crab fisheries improvement program to fill the necessity of market demands about the product that is sustainable
8. APRI with discussing about the development of the blue swimming crab product traceability obedience through the application of Control Document
9. APRI with discussing about the training of document control fulfillment steps



In the end of this program, there was a submission of CPIB certificate to 7 miniplants that was 3 miniplants in Central Java, 3 miniplants in East Java, and 1 miniplant in West Java. The program in Central Java was ended with expected that all of the stakeholder in blue swimming crab

fisheries are understand about standardization of blue swimming crab product appropriate with the government or market requirements, and the collectors and miniplants understand about the implementation of document control.

FOCUS GROUP DISCUSSION: MAPPING MINIPLANT OF BLUE SWIMMING CRAB



Indonesian Blue Swimming Crab Association/Asosiasi Pengelolaan Rajungan Indonesia (APRI) collaboration with BKIPM Bangka Belitung Province, Bappenas, and United Nations Development Program (UNDP) organize the Focus Group Discussion: Mapping Miniplant of blue

Swimming Crab on October 15, 2018 which was taken place in Hotel Santika, Bangka. This program attended by 40 participants such as Fisheries and Marine General Director of Bappenas, Head of BKIPM Bangka Belitung Province, General Secretary of APRI, Executive Director of APRI, Manager of blue swimming crab industry in Bangka Belitung Province, and miniplants from Bangka Belitung.

The objectives of this program are:

1. Verificating the miniplant data which was collected and mapping the problems in the field and found the solutions.
2. Mapping the fisherman's network, collectors, and miniplants which are supply the every processor/UPI.
3. Build the understanding and awareness about the applicable regulation in blue swimming crab fisheries sector.
4. Socializing and give an understanding about the control document and traceability system.



With this program, we expected can register the miniplants, suppliers, and fishermans in Bangka Belitung area, giving the understanding to the blue swimming crab stakeholders appropriate with the Indonesia government regulation and market, and the collectors and miniplants can understand the implementation of control document. This program contain the presentation and discussion which were divided into 2 sessions. In the first session, there were presentation about Support of Global Marine Commodities (GMC) to Sustainable Fisheries presented by Fisheries and Marine Director of Bappenas, continued by the presentation about the Understanding and Enforcement for the Violation of KepMen No. 56/2016 which was presented by General Secretary of APRI. In the second session, there were the presentation about the Production Standard Appropriate to Fisheries Product Quality Assurance which was presented by BKIPM Bangka Belitung Province and the presentation about the Develop of Blue Swimming Crab Product Traceability Obedience Through the Implementation of Control Document which was presented by Executive Director of APRI. In this time, there was a control document and traceability training using APRI Apps.

The conclusion that can be taken from this program is the participants were know about the regulations that applicated in blue swimming crab fisheries, nevertheless the enforcement to the regulations is still need to developed. There are still many miniplants in Bangka Belitung area that not yet CPIB, SKP, and HACCP certified, and the miniplants are still need the accompaniment from the related government. The study and research about the blue swimming crab stock in Bangka Belitung very need to be done to collecting the certain data about the cause of the “red” in Bangka Belitung water. For the next time, BKIPM Bangka Belitung Province ready to visit the blue swimming crab center in Bangka Belitung area to accompany and give the briefing about the miniplant certification.

DEVELOPING THE UNDERSTANDING AND IMPLEMENTATION OF REGULATION IN THE MANAGEMENT OF BLUE SWIMMING CRAB FISHERIES IN EAST JAVA



East Java, is the one of provinces in Indonesia that has the most value in the blue swimming crab product export. Accordance to the fact, there were several issues about the blue swimming crab management such as the low level of the knowledgement and awareness of the fishermans, collectors, miniplants, and other stakeholders about the importance of blue swimming crab sustainability for the sustainable business. APRI collaborating with BKIPM Surabaya 1, BP2MHP, and supported by Sustainable Fisheries Partnership are strive for the developing the knowledgement and awareness of the fishermans, collectors, miniplants, and other stakeholders in East Java Province through the program namely the Developing the Understanding and Implementation of Regulation in the Management of Blue Swimming Crab Fisheries in East Java which was held on October 19, 2018 at BKIPM Surabaya 1.

This program was attended by approximately 80 persons from several stakeholders such as miniplants, suppliers, fish processor units, EDF, Starling Resources, SFP, several members of APRI, board of APRI, several DKP in East Java Province, UPT Kesyahbandaran dan Otoritas Pelabuhan East Java Province, Bid. Perhubungan Laut Dishubkominfo East Java Province, BKIPM East



Java Province, UPT Pengujian Pengembangan Mutu Hasil Perikanan, PSDKP, PDSPKP-KKP, BKIPM-KKP, Dit. PSDI-KKP, and DKP East Java Province.

Opening statements from the Head of BKIPM Surabaya 1 was opened the program, and continued by several presentation and discussion which were divided into two discussion panel. The first discussion panel was lead by Dr. Hawis Madduppa with several topics such as the Importance of Regulation Understanding and Enforcement of the Violation of KepMen No. 56/2016 by Mr. Bambang A. Nugraha as APRI Secretary, the Quality Development Appropriate to the Standard that was Decided through the CPIB by BKIPM Surabaya 1, and SKP Certification Steps by DKP East Java Province. And then the second discussion panel was lead by Mr. Bambang A. Nugraha with the topics were Blue Swimming Crab Management Plans by Dit. PSDI-KKP, the Registration of Small PAS for the boat below 7 GT by UPT Kesyahbandaran dan Otorisasi Pelabuhan East Java Province, the Developing of Blue Swimming Crab Product Traceability Obedience through the Implementation of Control Document by Dr. Hawis Madduppa as Executive Director of APRI, and in the end of second discussion panel there was Training the Control Document Fulfillment and the control document fulfillment using the APRI Apps.



With this program, we expected that all of stakeholder in blue swimming crab fisheries more understand about the blue swimming crab product standardization appropriate with government and market requirements. Moreover, the miniplants, collectors, suppliers, or fish processor units are be able to implement the control document.

MAKASSAR, FOCUS GROUP DISCUSSION: MAPPING MINIPLANT OF BLUE SWIMMING CRAB



Blue swimming crab products from Indonesia is one of the excellent fisheries and marine products export which is in 2017 reach 15,867,016 kg in export volume and 308,827,416 USD in export value based on data from the Ministry of Marine Affairs and Fisheries. Blue swimming crab fisheries is involving so many peoples that spread into the supply chain from upstream to downstream.

The supply chain spread widely on various areas in Indonesia, from the island to island, province to province. South Sulawesi being the one of the province that also contribute in blue swimming crab fisheries with several supply chains. Along with the developing of the era, there are changes in the blue swimming crab fisheries in every sectors, such as the environment, government regulations, market requirements, and industry.

In 2018, United States as the biggest importer country for blue swimming crab implement the product traceability system regulation at all of fisheries supply chain, including blue swimming crab. Indonesia as the exporter country must be able to fulfill this regulation. Blue swimming crab supply chain is include the small fishermans with boat size <10 GT, collectors, miniplants, and fish processor units.



Miniplant and the supply chains below it have an important role due to the direct interaction between them to the blue swimming crab in the nature, which is giving us the reason to organize a program that can develop the knowledgement about the good utilization of blue swimming crab, and also to fulfill the government regulations and market requirements, especially to verificate and mapping miniplants, synergy and understanding the CPIB and SKP certification process. Therefore, BKIPM Makassar collaborating with Bappenas, UNDP, and APRI organized the Focus Group Discussion: Mapping Miniplant of Blue Swimming Crab in South Sulawesi Province which was held on November 21, 2018 in Makassar. This program attended by several stakeholders such as Marine Affair and Fisheries Agency of South Sulawesi Province, Fisheries and Agriculture Agency of Makassar, Fisheries and Marine Director of Bappenas, BPPMHP Makassar, APRI, SFP, area manager of the APRI members in South Sulawesi Province, and the suppliers and miniplants in South Sulawesi Province.

There were several agendas include the presentations, discussions, and training. Started by opening statement from Mr. Putu Sumardiana as the head of Supervision, Control, and Information Department of BKIPM Makassar and the head of Marine Affair and Fisheries Agency of South Sulawesi. Mr. Putu says that the world is confronted with several global fisheries issues such as food safety, fisheries product traceability, and environment effect. Moreover, the standardization regulation that more strict from importer countries such as US which is requires the fisheries product that enter to their country must be free from pathogens through Seafood Import Monitoring Program (SIMP) concept.

The first presentation was from the Fisheries and Marine Director of Bappenas that was talking about the support from Global Marine Commodities (GMC) Project to Sustainable Fisheries and then continued by Mr. Bambang A. Nugraha as APRI Secretary that was presenting about the Importance of Understanding and Prosecution of the Violation of PerMen KP No. 56 2016. The third presentation was about the Production Standard Appropriate with the Quality Warranty System of the Fisheries Product which was delivered by head of BKIPM Makassar. And the fourth presentation was about the Developing the Obedience of Blue Swimming Crab Product Traceability Through the Control Document Implementation which was delivered by the Executive Director of APRI that is Dr. Hawis Madduppa and continued with discussion.



The last agenda was a Training about the Procedures for Fulfilling the Control Document guided by APRI where there was two different methods that was the Control Document filling manually and with APRI Apps. This training followed by every suppliers and miniplants who were attended, and hope that with this training, suppliers and miniplants can more understand about the Control Document fulfillment, and implement it.

As an Executive Director of APRI, Dr. Hawis Madduppa says that the mapping miniplant of blue swimming crab was done in six provinces that was East Java, Central Java, West Java, Lampung, North Sumatera, and Southeast Sulawesi. And in 2018, APRI come in to South Sulawesi due to the high potential of blue swimming crab in this province. We are ready to support the government in the acceleration of CPIB certification at miniplant level.



This program in South Sulawesi closed with hope that every fishermans, collectors, miniplants, and also every stakeholders, can more understand about the every material that was delivered and be able to share it with the others, and surely be able to implement it. Let's go together to develop our blue swimming crab in every sectors, to maintain and improve blue swimming crab sustainability, sustainable industry, and economic sectors. APRI believe that every stakeholder will be able to make a synergy for our blue swimming crab.



GOVERNMENT

COORDINATION MEETING OF BLUE SWIMMING CRAB FISHERIES IN INDONESIA



Improvement activities of BSC fisheries in Indonesia began to grow rapidly since 2009, when members of APRI initiated the activities of the Fishery Improvement Project (FIP) of BSC with the full support of the NFI Crab Council in US, which is the main destination country for crab meat exports from Indonesia and Sustainable Fisheries Partnership. APRI itself currently consists of 17 BSC companies in Indonesia that contribute to almost 85% of total crab meat exports from Indonesia.

Based on data from the MMAF, it was noted that the export value of Indonesian crab meat in 2017 occupies the 3rd position after Tuna and Shrimp, which reached more than USD 308 million. The largest export destination countries are the United States (71%) followed by Japan (9%), Malaysia (7%) and other countries. Because the level of crab exports including essential export commodities, a crab fishery management program is needed to maintain the stability of crab production in the field. In addition, BSC fisheries also have important roles for small fisheries in Indonesia, as most are done by small scale fisheries (with ship size <10 GT) using traps and gillnets.

APRI and MMAF together with other government agencies, SFP and other NGOs, universities and other agencies, have worked together to implement Fisheries Improvement Program covering all Indonesian waters. The objectives include changing non-environmentally friendly fishing practices (not taking small crabs, not taking laying eggs), stock enhancement, supporting sustainable crab management policies, protecting critical habitats for small crabs including nursery ground), habitat for spawning area, cultivation of crabs and implementing traceability system to improve compliance with applicable rules (especially Ministerial Regulation No. 56 of 2016 (dated December 23, 2016) concerning Prohibition of Lobster Arrest and / or Expenditure (*Panulirus* spp.), Crabs (*Scylla* spp.) And BSC (*Portunus* spp.) From the Territory of the Republic of Indonesia and Ministerial Regulation No. 71 of 2016 on Fishing and Fishing Catching Trails in Fisheries Management Area of the Republic of Indonesia and supporting traceability of crabs products.

BSC Fisheries Improvement Activities conducted by APRI also supports the implementation of the BSC Fisheries Management Plan (RPP) in the Fisheries Management Area of the Republic of Indonesia (Decree of the Minister of Marine Affairs and Fisheries of the Republic of Indonesia No. 70 / KEPMEN-KP / 2016), both

at the national, provincial and regions. APRI supports the formation of Sustainable Fishing Fisheries Management Initiative (IPPRB) facilitated by Directorate of Fish Resources Management (SDI), with pilot program in Lampung Province. In addition, APRI is also working with the provincial governments of Central Java, Southeast Sulawesi and East Java to establish management institutions and implement the management of small crab farming in each of these areas, which has produced a decree and regulations governor.



To further enhance the coordination of various initiatives undertaken by APRI and several stakeholders, it is necessary to have a coordination meeting between central and regional governments and other agencies working to improve the management of Indonesia's small crab fisheries and the welfare of its fishermen.

Efforts to better manage this small crab are fully supported by the MMAF by holding an activity called the Coordination Meeting of Blue Swimming Crab Fishery in Indonesia involving various parties ranging from central and local government agencies, educational institutions such as universities as well as NGOs and buyers or buyers who also have the same goal that is to support the cremation improvement program in Indonesia. This activity was held on February 27, 2018 in GMB 1, Ministry of Marine Fisheries and Affairs Jakarta with Theme Sustainability of the Blue Swimming Crab Resources for Community Welfare. The objective of this activity is to strengthen coordination among sub-sector, national-regional, inter-stakeholders and among donor agencies and inform the latest developments, through:

1. Sharing information and experiences on the management of BSC in Indonesia from activities that have been and are being done by various parties, and discuss best practices for the management of BSC in Indonesia.
2. Discuss the management of integrated sustainable BSC, based on the principle of improving the management of BSC fisheries by looking at stock conditions, environmental impacts, and management systems.
3. Develop data management system of BSC fisheries including catch and export data of crab products to assist with traceability program, compliance improvement and better sustainability management.
4. Accelerate the implementation of the Rajani Fishery Management Plan at the regional level
5. Develop an umbrella program to improve the management of integrated crab fisheries among relevant directorates and all stakeholders in order to increase

exports, preserve the sustainability of small crabs as well as improve the welfare of fishermen.

The Coordination Meeting of Cross-Fishery Cross-sector and the Institute is the first to be conducted in Indonesia. The output to be achieved from this activity is to collect proposed multi-stakeholder (cross-sector, regional and central) umbrella programs to increase the export of crab meat through improved management of BSC fisheries to be one of the leading programs to boost exports. The sustainable crab aquaculture umbrella program will involve the relevant directorates, including:



- Strengthening Competitiveness of Marine and Fishery Products
- Capture fisheries
- Aquaculture
- Spatial Planning and Marine Ecosystems
- Supervision of Marine and Fishery Resources
- Marine and Fisheries Research Agency
- Fish Quarantine Agency and Quality Control

It is hoped that this meeting will bring together all multi-stakeholders (cross-sector, regional and central) under one pre-eminent umbrella program to maintain the sustainability and sustainability of Blue Swimming Crab fishery and encourage to increase the value and quality of crab meat export in Indonesia to the world.

FIELD VISIT OF DIRECTOR GENERAL OF CAPTURE FISHERIES MMAF TO BETAHWALANG VILLAGE, DEMAK, CENTRAL JAVA



As a follow-up from the last Coordination Meeting of Blue Swimming Crab Fishery in Indonesia, Director General of Capture Fisheries visit to Betahwalang Village, Demak District, Central Java Province. The Director General of Capture Fisheries came on 2nd March 2018, Friday at 2 pm-4 pm. He was visited the post data Centre and discuccion with the participant. The event was opened

by Dr. Abdul Ghofar representing NFI Crab Council as well as Diponegoro University. He was explained about the management of blue swimming crabs in the

Betahwalang village has been started since 2013 with the formation of a fisher group called a Sustainable BSC Fisheries Management Agency or called LP2RL.

Management blue swimming crab carried out in collaboration with various parties such as APRI, Diponegoro University, RARE and SFP. At present time SFP was launched a project entitled Fisheries Stewardship Program (FSP), one of which aims to help the traceability of BSC products as well as to see the compliance of the supply chain to the Minister Regulation issued in relation to the minimum of landing size and the ban of catch egg berried female.

Next activities was a presentation by enumerator of the Vessel tracking system, an enumerator describing 60 vessels installed by this device and showing the results of tracking data and mapping of BSC catch locations, CPUE values and catching areas for small BSC less than 10cm and egg berried female and landing report. APRI executive director Dr.

Hawis Madduppa also explained that APRI doing traceability and catch documentation (TCD) in all the member and Betahwalang is one of the trial TCD in the supply chain of BSC.



Director General very appreciated and proud of the activities in the Betahwalang village . This is in accordance with what he expects regarding rural development sustainable fisheries that can be synergized with Edu tourism areas, with the assistance as well as recording that is less than 10 cm and egg berried female on results the catch , he expecting the fishermen want to establish a regional spawning ground area , by mapping obtained should the agreement not only fishermen but also connected with the provincial government, especially RPWZ3K and RT RW legislation that will form spawning ground area specifically for BSC spawning. “We need to see the mangrove ecosystem so this can be a village that is used as eco-Edu tourism at some time in the future” He said.

SUSTAINABLE BSC MANAGEMENT EFFORTS TO ENSURE RAW MATERIAL AVAILABILITY AND INCREASED INCOME OF EAST JAVA FISHERMEN

In the framework of Management and Utilization of Fish Resources in WPP NRI 712 East Java Province then the Marine and Fisheries Agency of East Java Province held a Meeting in the context of Management and Utilization of Fish Resources in WPP-712 East Java Province. The event held on 2-3 April 2018 in Surabaya, East Java. In this meeting APRI also invited to become one of the speakers to present about APRI’s Role in Sustainable Management of BSC Fisheries. All Board

of APRI attended this meeting include Kuncoro Catur Nugroho (Chairman), Bambang Arif Nugraha (Secretary), Wita Setioko (Treasurer) and Dr. Hawis Madduppa (Executive Director).

The purposes of this event to seek Sustainable BSC Management Efforts to Ensure Raw Material Availability and Increased Income of East Java Fishermen. Starting from the Concept of BSC Fishing Management Globally and its relevance for East Java, Policy of Quality Assurance System and Security of Sustainable BSC Fishery Product, Habitat Improvement and Continuous Supervision of BSC Fisheries Management, BSC Raw Material Availability Support To Ensure Sustainable Business and also Reviewing of Governor's Decree on the Formation of Fishery Resource Management Team of BSC Fishery Resources in East Java



SIMP REGULATION DISCUSSION MEETING FOR FISH AND FISHERY PRODUCT



In order to implement the regulation of Seafood Import Monitoring Program (SIMP) for fish and fishery products to enter the United States, the Directorate General of Strengthening Competitiveness of Marine and Fishery Products-MMAF (PDSPKP-KKP) Indonesia, held a meeting to discuss the data exchange traceability information system

that can comply with the SIMP regulation. the activity was held on Thursday, 12 April 2018 in Ministry of Marine Fisheries and Affairs Jakarta.

The event was preceded by a presentation of PDSKP activities in the preparation of SIMP, which is to integrate within the existing MMAF information system. So that if required by industry catching data or NOAA live downloaded. The new activity is fulfilling some gaps of Information System needs. The new approach of MMAF is to introduce data collection at the supplier level.

In this opportunity, APRI provides input on the need for vessel ID / national vessel registration in order to have unit vessel number, verification for nonformal landings (excluding TPI) need to be simplified and difficulty obtaining small pass passes for crab fishermen.

APRI PARTICIPATING THE NATIONAL SEMINAR OF SUSTAINABLE CRAB (*Scylla* spp) AND BLUE SWIMMING CRAB CULTIVATION MANAGEMENT



APRI participating the National Seminar of Sustainable Crab (*Scylla* spp) and Blue Swimming Crab Cultivation Management with theme "Global Status and Comercialization of Crab" which was conducted by Indonesia Coordinator Ministry of Maritime with taked place in Salak Tower Hotel, Bogor, September 21, 2018.

APRI which was represented by Mr. Bambang A. Nugraha as secretary, being the presenter and giving the information about world citizen necessity and the blue swimming crab export probability.

In this time, APRI also open the booth which was contained such as blue swimming crab processed products that produced by several members of APRI.



APRI PARTICIPATING THE NATIONAL DIALOG OF FISHERIES AND MARINE SOCIAL ECONOMY 2018



Dr. Hawis Madduppa as Executive Director of APRI invited to participating in National Dialog of Fisheries and marine Social Economy 2018 with theme "Actualization of Science-based Policy to Support the Developing of Sustainable Fisheries and Marine" which was organized by the Agency of research and Fisheries and Marine Human Resource, Indonesia Ministry of Marine Affairs and Fisheries, October 1, 2018 with taked place in Mina Bahari III Ball Room, Jakarta.

This program contained such as the performance of Sudjiwo Tedjo, the presentation with theme Building the Indonesia Marine and Fisheries Through the Reinforcing of Human Resource and the Policy which is Science-based that presented

by the Minister of Marine Affairs and Fisheries, presentation about the Reinforcing of Research Quality to Support the Fisheries and Marine Policy that presented by the Minister of Research, Technology, and Higher Education, discussion with keynote speaker guided by Prita Laura, and closed with formulation delivery by IMFISERN President.

APRI SHARING INFORMATION AT THE REVIEW OF THE APPLICATION OF TRACEABILITY SYSTEM IN FISH PROCESSING UNIT AND SUPPLIER



To develop the understanding of traceability system of fisheries product, APRI Executive Director Dr. Hawis Madduppa was invited to share information. Dr. Hawis Madduppa share information about traceability system to fishermans, collectors, and businessman from fisheries industry that generally come from around Jakarta. The main

discussion was about the application of traceability system through the control document at supply chain to support the sustainability of blue swimming crab fisheries. This program was conducted by the Quality Control Center of Ministry of Marine Affairs and Fisheries at Revetmen Meeting Room, Nizam Zachman Ocean Fishing Port, Jakarta September 28, 2018.

APRI SHARE THE KNOWLEDGEMENT ABOUT TRACEABILITY SYSTEM AT THE FINAL PRODUCT AND RAW MATERIAL TRACEABILITY IDENTIFICATION



Traceability system is one of the product component which is important and now be the requirement for the product export especially the fisheries and marine products to several country such as the countries in Europe and America. In Indonesia, there was many industries that not yet implement the traceability system. Meanwhile, the traceability system is now be the requirement which is

requested by many buyers. So that, it is important for the industries to understand and implement the traceability system. This matter be the background to build and develop the understanding about traceability system, and implement it.

Sharing about the traceability system is very needed. Quality Control Center BKIPM organized the Final Product and Raw Material Traceability Identification which

held on October 25, 2018 at the Nizam Zachman Oceanic Fisheries Port, Jakarta and inviting APRI to be the one of speaker to share the knowledgement about traceability system. In this agenda, APRI represented by Mr. Bambang A. Nugraha. The program attended by several industries in fisheries and marine sectors such as frozen fisheries, dry fisheries, and life fisheries industry.

Material delivery was interactive with quiz in the end of presentation. Every group participants compile the traceability system and presenting it to the all participants, and then assessed by assessment team. With the presentation from APRI, we hope that every participants understand about the traceability system, can implement it, and share with others to develop the sustainable fisheries and marine industry.



TRACEABILITY IDENTIFICATION OF FINAL PRODUCT AND RAW MATERIAL, GIVING APRI THE OPPORTUNITY TO SHARE ABOUT TRACEABILITY SYSTEM



No doubt that fisheries and marine products are the one of most valuable export product. As time goes by, the necessity and the demand of the fisheries and marine products will be change, moreover there were increasing of the requirements of fisheries and marine products from the buyers to the exporting country. This is what happened now, where the buyers increasing the requirements

that one of them is traceability from the fisheries and marine products. In Indonesia, there was many industries that not yet implement the traceability system. Meanwhile, the traceability system is now be the requirement which is requested by many buyers. So that, it is important for the industries to understand and implement the traceability system. This matter be the background to build and develop the understanding about traceability system, and implement it.

Traceability for fisheries and marine products realized by various parties as an important component. As a real action to develop the understanding and knowledgement about traceability, Quality Control Center BKIPM organized the Traceability Identification of Final Product and Raw Material which held on November1, 2018 at the BKIPM Surabaya 1, and inviting APRI to be the one of speaker to share the knowledgement about traceability system. APRI fulfill the

invitation by Mr. Bambang A. Nugraha. The program attended by several industries in fisheries and marine sectors such as frozen and dry fisheries industries.

APRI which was build the traceability system for blue swimming crab products, share the various information so that the other industries have an idea to develop the traceability system for every industry. In order to facilitate the understanding of traceability system, the presentation also give a quiz which was every group participants compile the traceability system and presenting it to the all participants, and then assessed by assessment team. With the presentation from APRI, we hope that every participants understand about the traceability system, can implement it, and share with others to develop the sustainable fisheries and marine industry Resource Management Team of BSC Fishery Resources in East Java

COMPETENT AUTHORITY MANAGEMENT REVIEW OF QUALITY WARRANTY SYSTEM AND FISHERIES PRODUCT SECURITY



APRI participated the Competent Authority Management Review of Quality Warranty System and Fisheries Product Security which was conducted on November 13-15, 2018 at The Sahira Hotel Bogor. This program organized by Obedience and System Standardization Center BKIPM in order to maintain consistency of the

implementation of standard and quality warranty system and fisheries product security to the continuity of fisheries product export. Theme of this program is “The Consistency of Implementation of SJMKHP at the Each Production Process Chain and Control System from Upstream-Downstream”. In this opportunity, APRI represented by Mr. Kuncoro Catur Nugroho as Chairman.

This competent authority management review attended by various parties, such as the directors from the several directorate in Ministry of Marine Affairs and Fisheries, BKIPM, head of Nizam Zachman Oceanic Fisheries Port, several head of Fisheries and Marine Agencies, several agencies under the auspices of the Ministry of Marine Affairs and Fisheries, experts, practitioners, associations, and industries.

There were several agendas in three days with divided into two main agendas that is presentation and the compilation of formula. First and second day, filled by the presentation from several speaker such as Drh. Novia Priyana that presenting about the Risk Managing and the Opportunity in Food Safety Management System, General Inspector that talking about the Supervision Role in SJMKHP Implementation, and head of Fish Quarantine Center with presenting about

the Biosecurity Control in Fisheries Product International Trading Trend. And in the last day, there were several compilation of the formula such as the Compilation of the Official Control Formula for Aquaculture Fisheries Scope, the Compilation of the Official Control Formula for Catch Fisheries Scope, the Compilation of the Official Control Competent Authority Work Program Formula, and closed by the head of Obedience and System Standardization Center.

APRI PARTICIPATES THE FOCUS GROUP DISCUSSION WITH BAPPENAS



Focus Group Discussion with Bappenas is a program that initiated by Kamar Dagang dan Industri Indonesia (KADIN) as a representation of the business performer in Indonesia. Topic of the program is the Discordant Thought of KADIN to RPJMN 2020-2024 in order to Develop the Fisheries and Marine Industry. In order to the compilation process of Technocratic Plan of Rencana Pembangunan Jangka Menengah Nasional

(RPJMN) 2020-2024 which is compiled by Kementerian Perencanaan Pembangunan Nasional/Bappenas, so that KADIN initiate this program to provides the discordant thought to build the better fisheries and marine industry in the future. This Program was conducted on November 14, 2018 at the Main Building of Kementerian PPN/Bappenas.

The participants were from various sectors such as the ministry, DPD, local governments, banking and finance authority, academics, KADIN, associations, experts, practitioners, and BUMN. APRI as an organization that focusing in blue swimming crab also invited to participate in this program. There were several activities such as keynote speech from Prof. Bambang P. S. Brodjonegoro, S. E., M. U. P., Ph. D. as the Head of Bappenas and discussion panel that divided into two discussion panels. The first discussion panel was involving the government and agency, while the second discussion panel was involving the associations and industries. This program was closed with lunch and courtes.





INDUSTRY

CONTROL DOCUMENT TRAINING V.2.0

In order to continue the Control Document implementation, The Control Document Training Version 2.0 was conducted in Semarang on 8 January 2018. This activity was attended by APRI Members, NFI Crab Council, SFP, and Diponegoro University. An effort from APRI and NFI Crab Council, with technical support from Sustainable Fisheries Partnership, The first Control Document has been developed since the beginning 2015. For the traceability program, APRI has become a pioneer compared to other seafood products.



With the implementation of this activity, it is expected can meet the needs of SIMP (Seafood Import Monitoring Program) from the US Government. It is also support for data requirement to meet the requirements of Seafood Import Monitoring Program is covered in Control Document audit system conducted by third party auditor.



The responses from all the participants in regard to the Control Document are very positive. There are also a lot of constructive inputs and suggestions during the training to improve the implementation of the Control Document. It is believed that Control Document will help the industries to comply with the regulations and at the same time ensure the quality of

the crabmeat they produce and sell. In the first quarter of next year, APRI will start the trial for Control Document V2.0 in the three integrated supply chain that is PT SMB, PT PPS and PT PSI.

VESSEL TRACKING INSTALLATION IN BSC FISHERMAN BOAT IN BETAHWALANG, DEMAK DISTRICT, CENTRAL JAVA

In order to support the traceability and documentation of BSC management in the BSC Fishermen, there are several Vessel Tracking System installed to BSC fishermen in Betahwalang village. This activity was held on 9 January 2018 and organized by UNDIP, SFP and LP2RL. APRI also invited to this activity and represented by APRI Field Coordinator Miftahul Khair. The vessel tracking tool was used called Spot Trace. The application of this program to support tracking system on fishing

boat and predict the location of BSC catch activity by fishermen. The movement of fishing boats can be known so that the location of catching and also the enumeration data can be synergized to get the catch per catch effort. So that sustainability and traceability can be maintained.



The goals are to assess the data needs and opportunities of the Blue Swimming Crab (BSC) fishery and its associated supply chain in Betahwalang and to help inform key stakeholders how to set up the Fisher Steward ship Program pilot to support



implementation of the control document system. It was also developing a BSC-specific ground-truthing data set to support the upcoming pilot work with the control document and fisher stewardship program, and observing and evaluating the current data flow, data handling, and data gaps within the existing supply chain.

THIRD PARTY AUDITOR TRAINING V.2.0

In order to improve compliance among producers as well as facilitate supply chain to achieve accountability, traceability and verification. APRI and SFP has organized Third Party Auditors training on control document V 2.0 as a form of compliance with Ministerial Regulation remains an issue of concern in Indonesia. This activity was conducted in Bogor on 9 February 2018. As many as 9 new participant from around Indonesia ready to follow this meeting.



This training is part for support and increase BSC Control Document in Indonesia and also to continue the last implement of Control Document. Through traceability and documentation systems, buyers may have a means to verify their suppliers that the traded products come from authorized suppliers, through legal fishing practices, by means of fishing gear and catches in accordance with national and internationally regulations applicable. APRI executive director Dr. Hawis

Madduppa, explained the APRI members and mini plants mapping and distribution across Indonesia. The purpose of this meeting is:

- 1) Provide an understanding to the auditors regarding the audit process of Traceability and System Documentation
- 2) Discuss technical matters to be conducted at the time of the Traceability and System Documentation audit

TRIAL VISIT AUDIT CONTROL DOCUMENT V.2.0 IN THREE SUPPLY CHAINS

In order to support the traceability and documentation of BSC management in APRI members supply chains, APRI and SFP was visited three supply chain to trial audit the documentation system. This activity as a follow up from the last Control Document training V 2.0 in Semarang. The visitation was held on different days. Supply chain PT SMB in Pati, Central Java Province was visited on 20 February 2018, supply chain PT PPS in Rembang, Central Java Province on 1 March 2018 and supply chain PT PSI in Madura, East Java on March 3, 2018. From this visitation, the three supply has traceability record are very good, the miniplant already has a record for the document start from fishermen.



VESSEL TRACKING SYSTEM INSTALLATION IN TAYU CENTRAL JAVA TO SUPPORT SUSTAINABILITY AND TRACEABILITY IN BSC FISHERIES

The small scale BSC fisheries improvement program (FIP) in Indonesia has grown rapidly since 2009, when members of APRI (Indonesian Blue Swimming Crab Association) initiated the National Fishery Improvement Program (FIP) in BSC Fishery. To improve one of the FIP's program, APRI seeks to improve the quality of data collection, especially focusing on the first supply chain BSC Fishermen. One of them by installation of Vessel Tracking tool to help record the location of the spread of BSC especially on crab fishermen boat.



APRI has been installed Vessel Tracking System to BSC fishermen boat in Tayu Central Java on April 3, 2018. This activity will expected support sustainability and traceability in supply chain PT Sumber Mina Bahari (SMB). The vessel tracking tool

used called TrekFish made by Department of Fisheries and Marine Science laboratory, Bogor Agricultural University. The movement of fishermen boats and location of the BSC catch can be known so that the location of catching and also the enumeration data can be synergized to get the catch per catch effort. So that sustainability and traceability of crab farming can be maintained.



We are developing a BSC-specific ground-truthing data set to support the upcoming pilot work with the control document and fisher stewardship program, and observing and evaluating the current data flow, data handling, and data gaps within the existing supply chain. We will determine where and how vessel tracking can fill gaps, and what developments may be required to fully integrate new data stream into

the existing system in the most user-friendly manner possible.

MSC REPRESENTATIVE VISIT TO SEVERAL BSC SUPPLY CHAIN APRI MEMBERS OF APRI

Several representatives from MSC had the opportunity to visit some of the crab supply chains of APRI members in Gresik, East Java. The event was held on May 26, 2018 at CV. Kudatama Mas (Handy Seafood International). In this activity, Dr. Hawis Madduppa also accompanied several locations starting from the landing crab to the miniplant station to the Processing Plant / Factory. This activity is a follow-up to the first Quarterly Meeting held on April 14, 2018 as a form of APRI preparation in MSC certification. This visit is expected to help the APRI and members prepare for future MSC certification.



APRI PARTICIPATES THE LAMPUNG SITE VISIT

Lampung Site Visit is a program that was organized by Starling Resources, Sustainable Fisheries Partnership, and EDF-YBUL which is facilitate the funding partners to see directly the field condition at the several industries of blue swimming crab supply chain in Lampung, directly interact with the performer in all supply chain level, and discuss with the government and other stakeholder. APRI as the organization that is focusing at the blue swimming crab also

participates the program. Lampung Site Visit held on November 3-5, 2018 in Lampung with various activities such as visiting the fish processor unit and discuss with the government. This program participated by the funding partners, Lampung Province Fisheries Department, Research and Development Agency, Starling Resources, Sustainable Fisheries Partnership, EDF-YBUL, and APRI.



In this program, APRI participates at all activities from day 1 until day 3. In day 1, the funding partners and all of participants visit the fish processor unit that is PT Pangan Sumber Inti Laut in Lempasing. Day 2, there was activities to visit several supply chain such as the landing sites and miniplants. In day 3, there was a discussion with the local government such as Bappeda Lampung Province.



In this opportunity, APRI also giving the presentation about the APRI's role in blue swimming crab management. APRI hope that blue swimming crab industry in Indonesia are able to develop, and created the sustainable blue swimming crab fisheries over the time.

Acknowledgements

APRI is grateful to all partners, collaborators and supporters from individual and institution for their contribution on the sustainability of Indonesian Blue Swimming Crab.





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