

APRI

ANNUAL REPORT



2023

Sustainable
Traceable



APRI

“ Sustainable means **Infinity** that we can ensuring a legacy of vitality for generations yet to unfold.”

PREFACE



Assalamu'alaikum wr.wb.

We offer all praise and gratitude to the presence of Allah SWT, the Almighty God. We would like to thank all APRI members who have been entrusted with carrying out your mandate in the management of APRI for the 2022 - 2024 period.

In carrying out this management there are 2 (two) main programs in Management. The first program is for management and members to jointly discuss and find solutions to problems in the business world, whether related to issues on the buyer's side, the US government, KKP regulations, or other issues. Meanwhile, the second program is related to the sustainability program which we usually know as FIP (Fisheries Improvement Programs). These two main programs are interrelated and cannot be carried out separately.

For the 2022 - 2024 period, APRI members will increase by one to 19 members and have contributed 85% of the total export tonnage to the US market. In Q1 2023, the results of scientific research by APRI enumerators show that the majority of crabs caught are > 10 cm and the percentage of spawning crab catches is decreasing. **SECOND**, that FisheryWatch, an independent international body, assesses that the Indonesian Crab FIP guided by APRI continues to experience an increase in GREEN indicators. **THIRD**, Starting in the second semester of 2023, during the recovery period from the pandemic, sales of Indonesian pasteurized crabs will decline so that crabs as living creatures can reproduce better. **FOURTH**, crab fishing is still in Western Indonesia, while Eastern Indonesia still has great potential to be developed to empower the local crab economy. **FIFTH**, the aspect of crab cultivation is still in the middle of the road. Cultivation of crabs, lobsters and shrimp is developing very rapidly. We are sure that Inshaa Allah, in turn, crab cultivation will soon be before us. We must not be late compared to other countries which continue to blue swimming crab aquaculture technology.

The five points above must be managed well by APRI together with stakeholders, namely the Central/Provincial/Regency Government, Research Institutes, Institutions/Universities, Suppliers/Mini Plants, Fishermen, Employees and all related parties. By uniting as a unified whole, nature conservation and business sustainability programs can be balanced and improved. These are the Forewords in APRI's Annual Report. Hopefully future management can be better than the current management, achieving MSC certification is in sight, available funds are still adequate but need explanation & transparency in managing the International Standard MSC and that it is accepted fairly by APRI members. Hopefully in the future, God willing, we will achieve it.

On behalf of all APRI administrators for the 2022-2024 period, we apologize if there are things that are less than satisfactory for members. Thank You.....

Wassalamu'alaikum wr.wb.



Ir. Kuncoro Catur Nugroho, M.M

APRI Chairman

“

FIP is currently at SFP Stage 5: On-Water Improvements. The crab fishery was assessed in 2015 using the MSC Fisheries Assessment Method (V2.0). The current score is SG<72, the MSC standard for sustainable crab fisheries.

FIP development currently reaches **64% of the "Green" indicator and 36% of the "Yellow"** indicator and does not have the "Red" indicator. APRI as the FIP implementer for crab fisheries has been started since 2012 until now. In the 2020-2022 period, several indicators experienced an increase, such as the Environmental Impact Indicator (P2) with 12 indicators colored "Green" such as NTS (Non Target Species), ETP Species. Improvements to Stock Assessment (P1). In the SPR, MLS, EBF, and CPUE data collection reports. And don't forget the Effective Management (P3) indicator, this year all the indicators are **GREEN**.

APRI has also published the results of research conducted by the APRI Board, Staff and Enumerators in the International Seminar (ISOSS IPB 2022) totaling 15 papers related to crab fisheries and will continue to carry out several publications such as ICSDFM 2023 and several other journals.

APRI is also active in various activities for sustainable crab fisheries from government, industry, universities and the entire supply chain in crab fisheries. Hopefully in the future the crab fishery in Indonesia will receive the title of sustainable.

”



Dr. Ayu Ervinia
Research & Executive Director

#SUSTAINABLE
#TRACEABLE





BLUE SWIMMING CRAB

(Portunus Pelagicus)

Blue swimming crab fishery commodity in Indonesia makes a major contribution to the Indonesian economy because it is a superior commodity for Indonesian fisheries. For a decade, crabs have always occupied the top 5 positions in Indonesia's fisheries export commodities.

1



Shrimp

4



Crab -

Blue Swimming Crab

2



Tuna - Skipjack Tuna
Mackarel

5

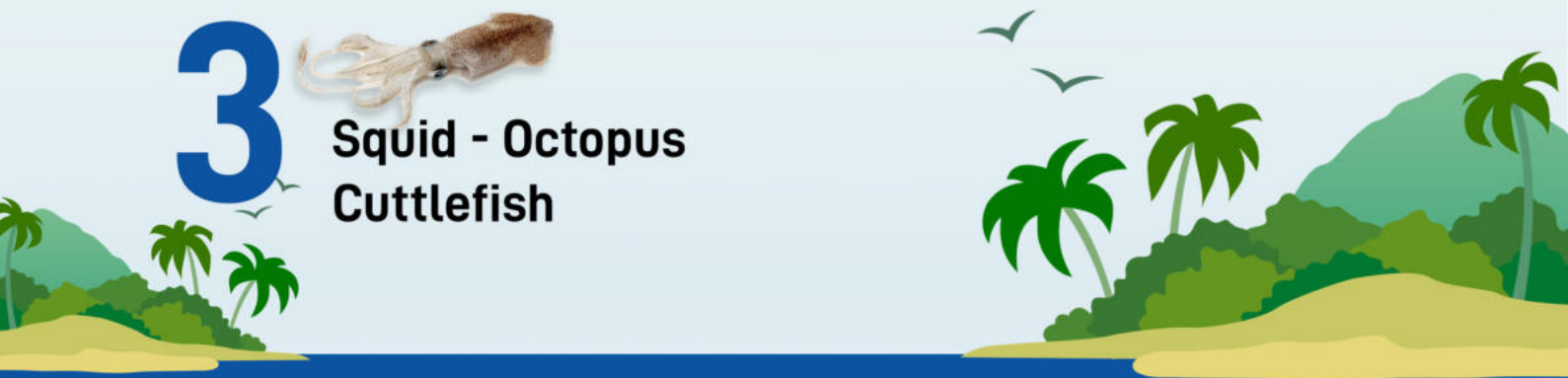


Seaweed

3



Squid - Octopus
Cuttlefish



ABOUT APRI



APRI and all members campaign for the sustainability of crab to support an effective supply chain, increase recruitment of crab through increasing stocks, collaborate with universities to support scientific research, and support the Ministry of Maritime Affairs and Fisheries to develop a National Fisheries Management Plan and work together with fishing communities to develop community-based fisheries management. All program activities are managed within the Fisheries Improvement Project (FIP), which is defined in 6 FIP stages. The Fisheries Improvement Program will create sustainability in the supply chain, crab resources and also in the ecosystem where the crab are harvested.



Scan to get to know
APRI further

JULY 6, 2007

Founded in Jakarta, with the aim and responsibility to initiate management of crab and its natural resources in a fair and wise manner, so that the benefits can be enjoyed by future generations and are economically and ecologically sustainable.

AUGUST 2008

APRI FIP was officially **launched** to support a sustainable crab fisheries management program.

JANUARY 2024

For **17 years**, APRI and its members have continued to strive for improvements and enhancements to create sustainability.



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(Tentang APRI)

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APRI Milestone 2022-2023
(Milestone APRI 2022-2023)

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APRI Members
(Anggota APRI)

10



APRI Focus
(Focus APRI)

12



Update Fishery Improvement Progress (FIP)
(Update Program Perbaikan Perikanan Rajungan)

16



MSC Certification Progress
(Progress Sertifikasi MSC)

20



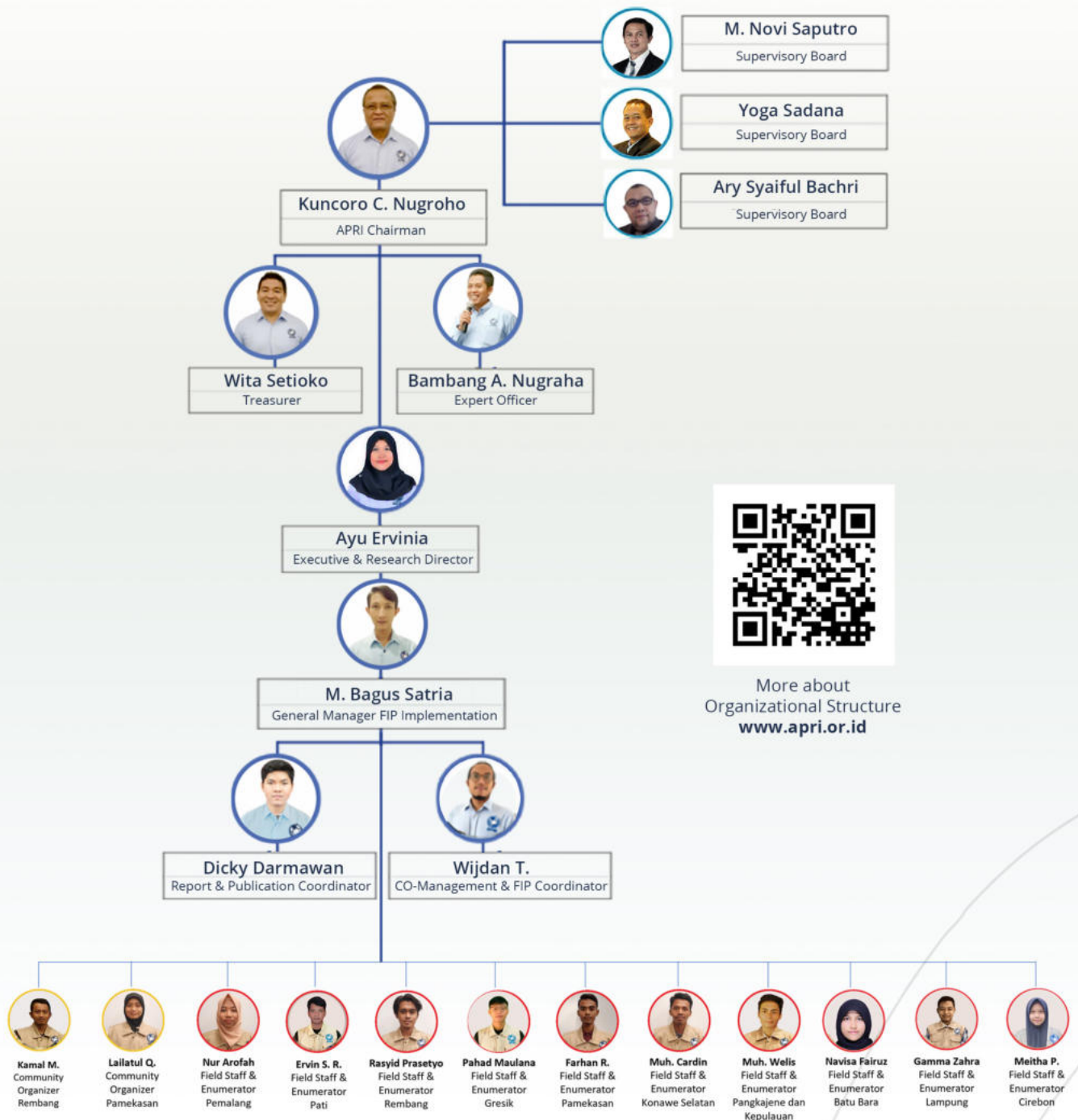
APRI 2023 Activities
(Kegiatan APRI di Tahun 2023)

22

STRUCTURE ORGANIZATION



2022-2024 PERIOD



More about
Organizational Structure
www.apri.or.id



APRI MILESTONE

2022-2023

AUGUST 2022

APRI MoU and Polytechnic KP Sidoarjo

APRI Establishes Collaboration with KP Polytechnics Sidoarjo in Innovation Development and Cultivation Technology for Crab

JUNE 2022

3rd APRI Youth Innovation

5 Selected Proposals from 4 Universities



SEPTEMBER 2022

Development Crab Enlargement

Development efforts crab enlargement with BBPBAP Jepara and Polytechnic KP Sidoarjo in Paciran

APRIL 2022

Gill Nets 4,5 Inch Program

The 4.5 Inch Net Program has started in 4 locations :

Lampung, Cirebon, Rembang Pamekasan

APRIL 2022

APRI Publications ISOSS Research 2022

A total of 15 research papers related to crab fisheries have been registered and presented at the International Seminar on Ocean Sciences and Sustainability 2022 (ISOSS 2022)

AUGUST 2023

Ministerial Decree No. 16 of 2022

Regulations update of KP Ministerial Regulation No. 16 of 2022, an update of Ministerial Decree No. 17 of 2021

AUGUST 2023

APRI Research in ISDCFM 2023

A total of 16 Research Papers Regarding crab fishery management, it has been registered and presented at the ISDCFM international seminar

JANUARY 2023

Meeting FIP Coordination East Java

Meeting and coordination activities related to the fisheries improvement program / FIP by the East Java Maritime Affairs and Fisheries Service together with the Indonesian Marine Stewardship Council (MSC) and APRI.

OCTOBER 2023

BSC Management East Java Meeting

Meeting with blue swimming crab fisheries stakeholders in East Java and reviewing the HCR (Harvest Control Rule) document

JUNE 2023

FIP National Meeting

APRI as the FIP implementer in the crab fishery was also present at the National FIP meeting in 2023

APRIL 2023

APRI Restocking Blue Swimming Crab

APRI carried out **3 restockings** in Lamongan and Pamekasan, as well as Underwater Restocking in Situbondo (*at different times)

OCTOBER 2023

APRI Gets OSF (Ocean Stewardship Funds)

APRI received OSF (Ocean Stewardship Fund) in an effort to increase the sustainability of crab fisheries

APRI MEMBERS



3 SUMATERA ISLAND



APRI Members

1. PT. Toba Surimi Industries
2. PT. Siger Jaya Abadi
3. PT. Lampung Bay Seafood



13 JAVA ISLAND

APRI Members

1. PT. Phillips Seafood
2. PT. Kelola Mina Laut
3. PT. Bumi Menara Internusa
4. PT. Pan Putra Samudra
5. PT. Mutiara Laut Abadi
6. PT. Handy Seafood International
6. PT. Rex Canning
7. PT. Graha Makmur Cipta Pratama
8. PT. Sumber Mina Bahari
9. PT. Muria Bahari Indonesia
10. PT. Niriwana Segara
11. PT. Fresh On Time Seafood
12. PT. Bahari Mulia Utama
13. PT. Prima Cakrawala Abadi



JALA CRABINDO INTERNATIONAL

2

SULAWESI ISLAND

APRI Members

1. PT. Prima Cakrawala Abadi
2. PT. Kemilau Bintang Timur



19

APRI Members

APRI and all its members **are committed to and continue to campaign for sustainable blue swimming crab fishing** in the supply chain to get an effective impact, through increasing stocks.



Visit : <http://www.apri.or.id/apri-board/>



APRI FOCUS



1

Traceability System

Pilot traceability systems through control document



2

Stock Assessment & Enhancement

To support Stock Assessment Programs by applying SPR in addition to conventional stock assessment and stock enhancement



3

Co-Management

Complete the National Fishery Management Framework, formalize a steering committee for WPP-712 (Java Sea)



4

Environmentally Friendly Fishing Gear

Review and implement environmentally friendly fishing gear in BSC fisheries



5

Enforcement & Compliance

To improve enforcement and compliance of fishery policies through assessing supply chain



6

Empowerment

Empowerment and organization of fisher communities



More about APRI Focus:
<http://www.apri.or.id/about/>

BSC PROCESSING UNIT

IN INDONESIA

KALIMANTAN

2

1. PT Fresh On Time Seafood
2. PT Fresh On Time Seafood

Pontianak
Banjarmasin

9 SUMATERA

- | | |
|-----------------------------------|---------|
| 1. PT Mutiara Laut Abadi | Medan |
| 2. PT Toba Surimi Group | Medan |
| 3. PT Medan Tropical Canning | Medan |
| 4. PT Bumi Menara Internusa | Medan |
| 5. PT Phillips Seafoods Indonesia | Lampung |
| 6. PT Bumi Menara Internusa | Lampung |
| 7. PT Siger Jaya Abadi | Lampung |
| 8. PT Siger Jaya Sentosa | Lampung |
| 9. PT Pan Putra Samudra | Lampung |



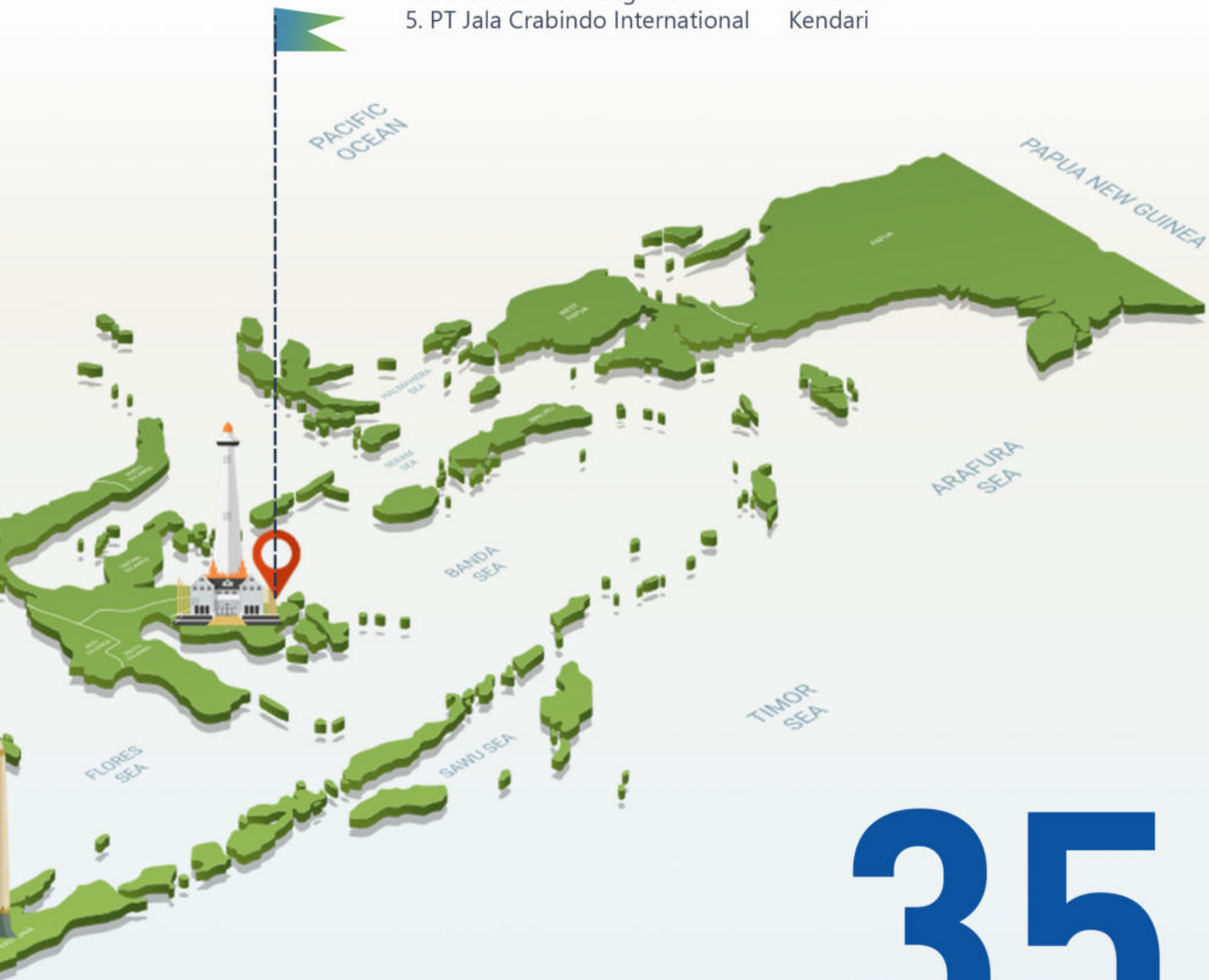
24 JAVA

- | | |
|----------------------------------|----------------|
| 1. PT Kelola Mina Laut | Cikande-Serang |
| 2. PT Fresh On Time Seafood | Bogor |
| 3. PT Pan Putra Samudra | Cirebon |
| 4. PT Bumi Menara Internusa | Cirebon |
| 5. PT Kemilau Bintang Timur | Cirebon |
| 6. PT Karya Persada Khatulistiwa | Indramayu |

5

SULAWESI

1. PT Phillips Seafoods Indonesia Pare-pare
2. PT Nuansa Cipta Magello/PCA Makassar
3. PT Ocean Champ Seafood Makassar
4. PT Kemilau Bintang Timur Makassar
5. PT Jala Crabindo International Kendari



- | | |
|------------------------------------|------------|
| 7. PT Phillips Seafoods Indonesia | Pemalang |
| 8. PT Bahari Mulia Utama | Semarang |
| 9. PT Guna Citra Kartika | Jepara |
| 10. PT Muria Bahari Indonesia | Kudus |
| 11. PT Pan Putra Samudra | Rembang |
| 12. PT Sumber Mina Bahari | Rembang |
| 13. PT Morenzo Abadi Perkasa | Demak |
| 14. PT Kelola Mina Laut | Gresik |
| 15. CV Kudatama Mas/Handy | Gresik |
| 16. PT GrahaMakmur CiptaPratama | Gresik |
| 17. Blue Star Anugrah | Pemalang |
| 18. PT Bumi Menara Internusa | Surabaya |
| 19. PT Nirwana Segara | Sidoarjo |
| 20. PT Phillips Seafoods Indonesia | Pasuruan |
| 21. PT Maju Bersama Karib | Pasuruan |
| 22. PT Rex Canning | Pasuruan |
| 23. PT Kemilau Bintang Timur | Banyuwangi |
| 24. PT Java Kayana Segara | Semarang |

35 /40

35 of 45 Overall is APRI members

85%

Contribution of crab exports from Indonesia are some A large number of APRI members

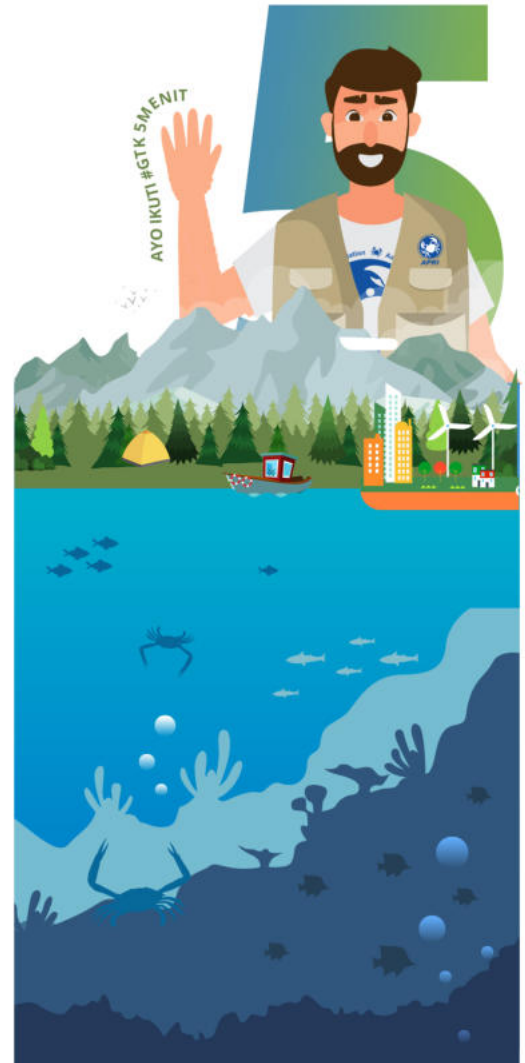
FISHERY IMPROVEMENT PROJECT (FIP)

BLUE SWIMMING CRAB FISHERY IN INDONESIA



ABOUT FIP

APRI - whose members include more than 30 seafood processing industries - covers more than 85% of crab processing in Indonesia. All members involved work to not only promote sustainable crab fishing, but also a sustainable supply chain. FIP aims to support scientific research through collaboration with universities, to develop a national Fisheries Management plan through partnership with the Ministry of Maritime Affairs and Fisheries, and to build community-based fisheries management by working with local fishing communities. The FIP is intended to have a long-term impact on the sustainability of the fishery supply chain, the crab resource, and also the ecosystem in which the species is harvested.



APRI OBJECTIVE FIP

- Implement the FIP work plan and transition Indonesia Blue Swimming Crab Fisheries to full MSC assessment by the end of December 2024.
- Changing practices (not taking small/juvenile crabs, or spawning crabs), increase stocks, develop policies that protect and maintain the sustainability of crabs (including protection of nursery grounds, spawning areas) by the end of December 2024
- Develop a community-based management plan for Indonesian crab that includes community resource management that protects nursery sites, communication and awareness, resulting in an established control document and tracking system by the end of December 2024



FISHERY IMPROVEMENT PROJECT (FIP)

FISHERYPROGRESS.ORG

Fishery Improvement Project
Progress Tracking Database &
Tools

Log Out | My Account

My Dashboard

Select Language

FIP Directory Resources for FIPs Resources for Buyers Social Responsibility About Us Contact

FIP Directory



Legend Comprehensive Basic Prospective Inactive Completed

Search Options

FIP Name:

Species:

Country:

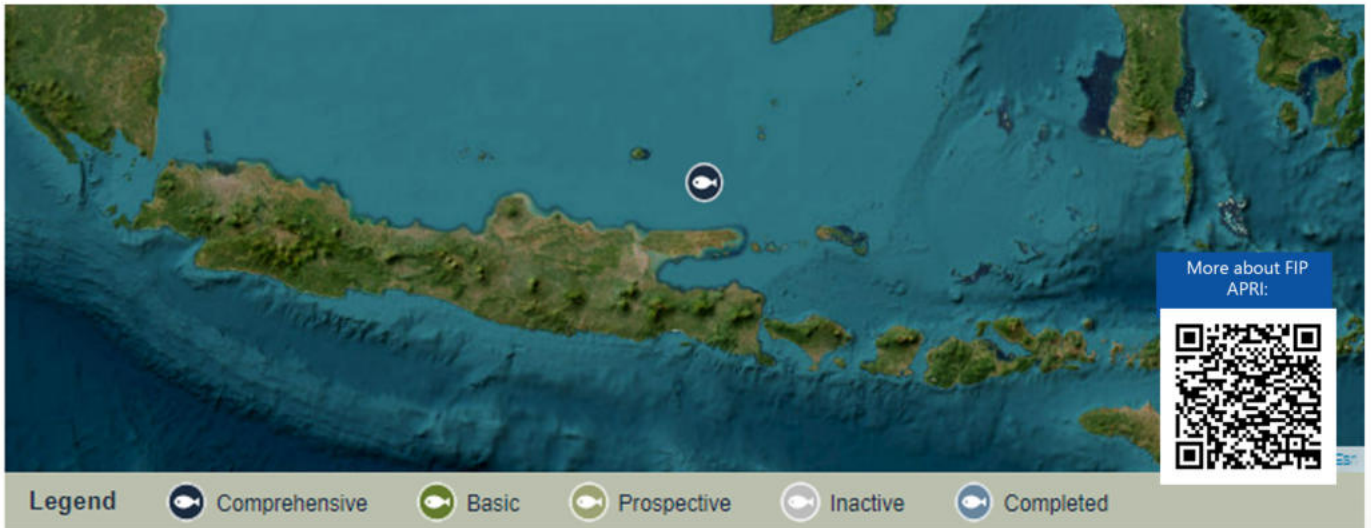
Status: Active Completed Inactive

FIP Type: Prospective Basic Comprehensive

Progress Rating: A - Advanced Progress B - Good Progress C - Some Recent Progress D - Some Past Progress E - Negligible Progress

FIP Participant:

Search Clear



Legend Comprehensive Basic Prospective Inactive Completed

1 - Sustainable fish stocks

Indicator	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8
Stock status outcome (1.1.1)	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Stock rebuilding outcome (1.1.2)	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Harvest strategy (1.2.1)	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Harvest control rules & tools (1.2.2)	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Harvest strategy information & monitoring (1.2.3)	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Assessment of stock status (1.2.4)	Red	Red	Red	Yellow	Yellow	Yellow	Green	Green	Green

2 - Minimizing environmental impact

Indicator	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8
Primary species outcome (2.1.1)	Red	Green	Green	Green	Green	Green	Green	Green	Green
Primary species management (2.1.2)	Red	Green	Green	Green	Green	Green	Green	Green	Green
Primary species information (2.1.3)	Red	Green	Green	Green	Green	Green	Green	Green	Green
Secondary species outcome (2.2.1)	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Secondary species management (2.2.2)	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Secondary species information (2.2.3)	Red	Red	Green	Green	Green	Green	Green	Green	Green
ETP species outcome (2.3.1)	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
ETP species management (2.3.2)	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
ETP species information (2.3.3)	Red	Red	Green	Green	Green	Green	Green	Green	Green
Habitat outcome (2.4.1)	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow
Habitat management (2.4.2)	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow
Habitat information (2.4.3)	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow
Ecosystem outcome (2.5.1)	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow
Ecosystem management (2.5.2)	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow
Ecosystem information (2.5.3)	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow

3 - Effective management

Indicator	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8
Legal/customary framework (3.1.1)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green
Consultation, roles & responsibilities (3.1.2)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green
Governance/policy long-term objectives (3.1.3)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green
Fishery-specific objectives (3.2.1)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green
Decision-making processes (3.2.2)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green
Compliance & enforcement (3.2.3)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green
Monitoring & management performance evaluation (3.2.4)	Red	Red	Yellow	Green	Green	Green	Green	Green	Green

FIP AT GLANCE IN 2023

18/28

Of the total 28 FIP Indicators plus swimming crab fishery got 18 green and 10 yellow indicators there is **no red** indicator

P3

Indicators related to effective management achieving the **Green** indicator have all progressed from the previous year





MSC CERTIFICATION PROGRESS



More about MSC
APRI:

MSC SCORE BMT INDEX

0,82

BMT (MSC Benchmarking and Tracking Tool) by MSC got a score of 0.82 which means has met certification **full assessment**



MSC STATUS

ITM

ITM (In-Transition to MSC Full Assessment), 2023
APRI is entering progress
ITM is one step towards full assessment to MSC

APRI - MSC

OSF

APRI received funding from the OSF (Ocean Stewardship Council) program in ITM status in 2023

12 ACTION PLAN

BLUE SWIMMING CRAB FISHERY MANAGEMENT



A1
Improvement of Stock Assessment



A2
Development of Stock Rebuilding System



A3
Development of Conservation Area



A4
Improvement of Harvest Strategy



A5
Implementation of Harvest Strategy



A6
Improve Selectivity of Fishing Gear and Bycatch Reduction



A7
Management Measures on Post-Captured Handling of ETP Species



A8
Management Measures on Ghost Fishing



A9
Monitoring of Bycatch Species



A10
Improve Risk Assessment



A11
Continue and Strengthen the CO-Management



A12
Development of Compliance and Enforcement Measures

APRI ACTIVITY IN 2023



APRI QUARTERLY MEETING



ALOFT HOTEL KUTA BALI

APRI 4th QUARTERLY MEETING 2022

13-15 January 2023, Slightly different from Q4 activities which are usually carried out at the end of 2022, now they will be held at the beginning of 2023.

On the occasion of this meeting, APRI also wants to strengthen relations between members by holding this Family Gathering.



FAIRFIELD HOTEL SURABAYA

APRI 1st QUARTERLY MEETING 2023

April 7 2023. Routine activities have been carried out, namely Quarterly Meeting Q1 which coincides with the Holy month of Ramadan.

This activity was carried out hybrid online and offline in the city of Surabaya. This activity was also carried out symbolically by the presence of the 19th new member, namely PT. Lampung Bay Seafood as well as updates on the development of crab fisheries and crab FIP in Indonesia



VASA HOTEL SURABAYA

APRI 2nd QUARTERLY MEETING 2023

August 5 2023. Routine activities have been carried out every quarter, namely the APRI 2nd Quarterly Meeting in Hybrid in Surabaya.

This quarterly meeting was also attended by Prof. Dr. Ir. Yushinta Fujaya, M.Si who comes from Hassanudin University Makassar and Mr. Odded with quite an interesting topic related to innovation and technology for the sustainability of crab commodities.



VASA HOTEL SURABAYA

APRI 3rd QUARTERLY MEETING 2023

28 October 2023. APRI carries out routine activities with all APRI members. This activity was opened with remarks from the Chairman of APRI, Mr. Ir. Kuncoro Catur Nugroho, M.M. This activity was also attended by representatives of the Directorate General of PDSPKP - KKP and BRIN as keynote speaker persons.



APRI STOCK ASSESSMENT

APRI ENUMERATOR DATA COLLECTION

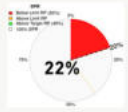
2

ENUMERATOR
IN SUMATERA

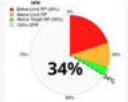
6 + 2

ENUMERATOR &
CO-MANAGEMENT
IN JAVA

SPR DATA FROM SUMATERA



Batubara



Lampung



Navisa Fairuz
Field Staff &
Enumerator
Batu Bara



Gamma Zahra
Field Staff &
Enumerator
Lampung



Meitha P.
Field Staff &
Enumerator
Cirebon



Nur Arofah
Field Staff &
Enumerator
Pemalang



Ervin S. R.
Field Staff &
Enumerator
Pati



Rasyid Prasetyo
Field Staff &
Enumerator
Rembang



Pahad Maulana
Field Staff &
Enumerator
Gresik



Farhan R.
Field Staff &
Enumerator
Pamekasan

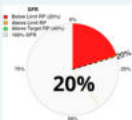


Kamal M.
Community
Organizer
Rembang

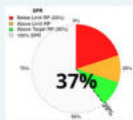


Lailatul Q.
Community
Organizer
Pamekasan

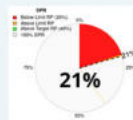
SPR DATA FROM JAVA



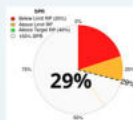
Cirebon



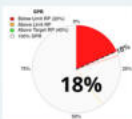
Pemalang



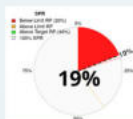
Pati



Rembang



Gresik



Pamekasan

10.....2

Total APRI Field Staff
(Enumerator & CO-Management)

2

ENUMERATOR IN SULAWESI

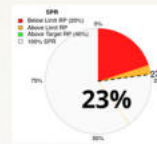


Muh. Cardin
Field Staff & Enumerator
Konawe Selatan

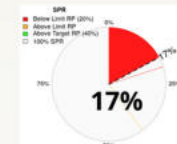


Muh. Welis
Field Staff & Enumerator
Pangkajene dan Kepulauan

SPR DATA FROM SULAWESI



Muna



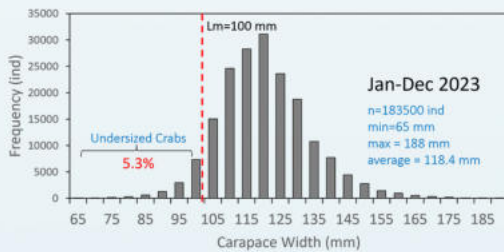
Pangkep



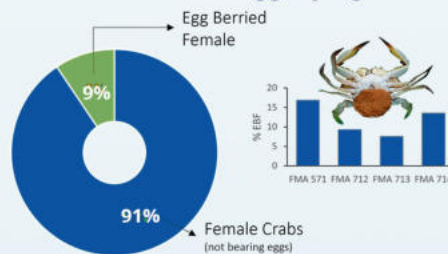
Download Buletin :

STOCK ASSESMENT :

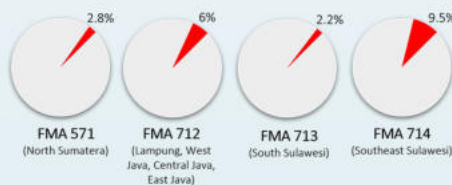
A. Size distribution of crabs



B. EBF / Outdoor Egg-laying Crab

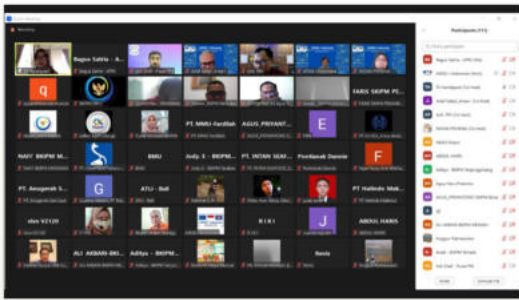


C. The percentage of crab size is <10 cm



*Source: APRI DATA January - December 2023

APRI ACTIVITY IN 2023



APRI Attends Socialization Activities by BKIPM related to HACCP Based CPIB Supplier Level

Thursday, December 8 2022. APRI was also present at the outreach activities carried out by BKIPM regarding HACCP-based CPIB at the Supplier Level. APRI, through the General Manager of APRI, M. Bagus Satria, was also present at the socialization activity which was attended by Central BKIPM, Regional BKIPM & SKIPM, Associations, Business Actors (UPI & Suppliers), and ARISE+ Indonesia.



East Java FIP Coordination by APRI, MSC, and DKP East Java

Wednesday, January 25 2023, a meeting and coordination regarding the fisheries improvement program / FIP was held by the East Java Maritime Affairs and Fisheries Service together with the Indonesian Marine Stewardship Council (MSC) and APRI.



Waste Management Visit Crab shells in Cirebon (TPLCT)

APRI as a leader in the Indonesian fisheries sustainability program also provides maximum support in the development of TPLCT (Integrated Shell Waste Storage Site) in the pentahelix collaboration.



Building of Floating Apartments Crab in Rembang

This activity was carried out on Friday, January 23 2023 together with APRI Co-Management, APRI Enumerators, local Fisheries Extension Officers, and APRI assisted Fishermen

Friday, January 27 2023. This floating crab apartment was successfully installed as an effort to preserve crabs in nature. These crab fishermen worked together to build this crab apartment with assistance from APRI.

Crab apartments are a very useful option for fishermen and can be used as a form of fishermen's concern in supporting Ministerial Regulation No. 16 of 2022 which regulates crab catches.



Cultivation Activities Blue Swimming Crab in Round Pool

Saturday, February 4 2023. A stocking activity of 5,000 seeds has been carried out in a round pond at the Paciran location, Lamongan. This activity is a collaboration between APRI and KP Sidoarjo Polytechnic in innovative development of crab cultivation technology.

This distribution activity was attended by Mr. Nasuki, the APRI Team, KP Sidoarjo Polytechnic students, and Representatives from BBBAP Jepara.

APRI YOUTH INNOVATION 2022-2023

Monday, February 27 2022. 5 teams from various universities have presented the results of their research activities which were carried out for approximately 6 months.

List of Selected Teams in APRI Youth Innovation 2022 :

Best Presentation Team :

1. IPB - Siti Zanubah, etc

Lecturer :

Dr. Beginer Subhan, S.Pi, M.Si

2. UTM - Moch. Yusuf, etc

Lecturer :

Eka Nurrahema Ning Asih, S.Kel, M.Si

3. UB - Hanifa, etc

Lecturer :

Muhammad Arif Rahman, S.Pi, M.app.Sc

Best Video Documentation Team :

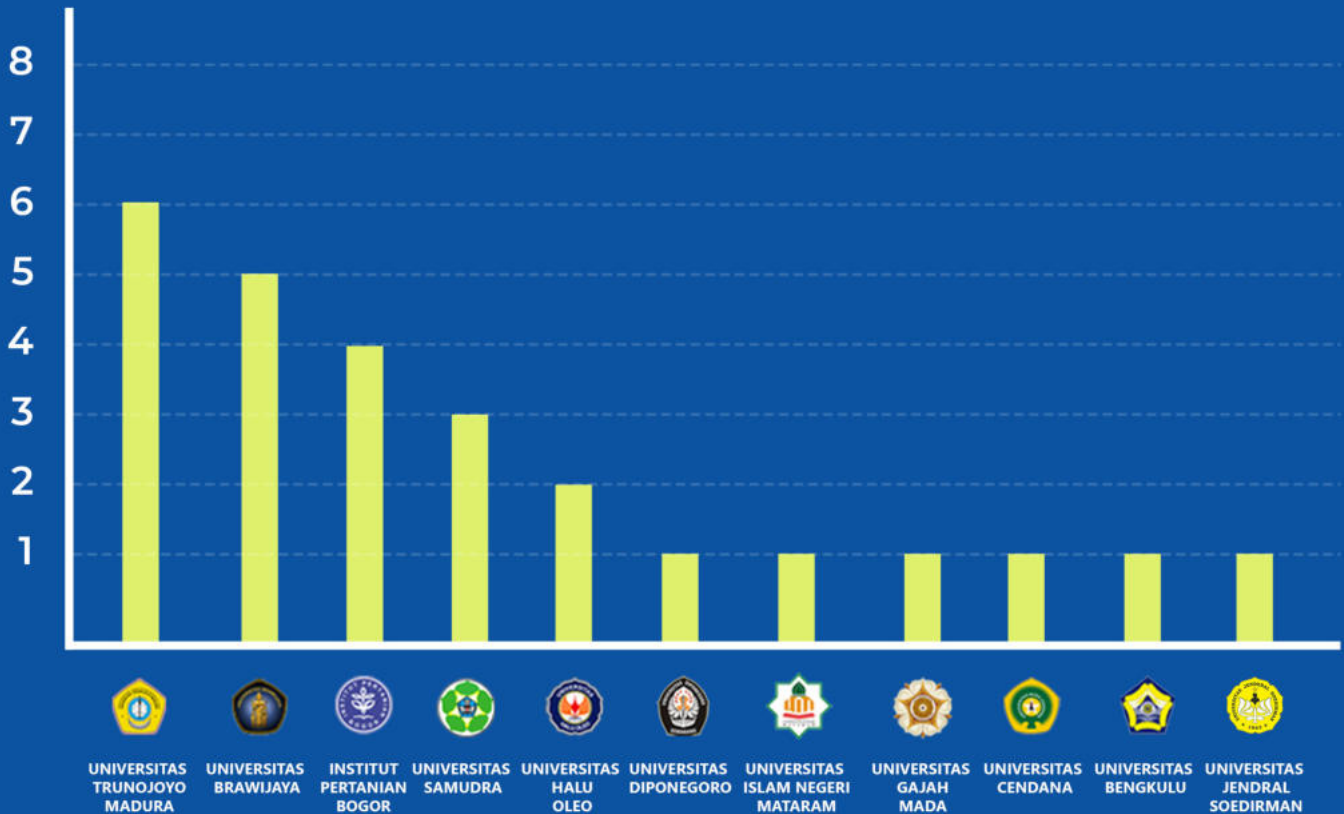
1. IPB - Team of Siti Zanubah

Location : Tanjung Widoro, Gresik - East Java

2. UB - Team of Hanifah Ramadhani

Location : Paciran, Lamongan - East Java

LIST OF PARTICIPANT UNIVERSITIES PASSING THE SELECTION YEAR 2018 - 2022



*Selected proposal team from 2018-2022
Infographic: APRI

APRI ACTIVITY IN 2023



Monitoring Crab Cultivation in Paciran - Lamongan By the APRI Board

Saturday, February 25 2023. One of the APRI Board of Directors, Mr. Wita Setioko, visited the location of the round pool containing crabs in Paciran-Lamongan. This activity aims to see the development of crab after the stocking was carried out on Saturday, February 4 2023.



APRI coordination with FIP Implementers in ASEAN as well as the NFI Crab Council

Wednesday, March 8 2023. An online meeting was held with FIP implementers from various countries such as Thailand, the Philippines and Vietnam as well as the NFI Crab Council. This activity was attended by Dr. Ayu Ervinia as Executive & Research Director of APRI



APRI Attends Discussion on Crab Fishery Management Sustainable Development (TPPRB) in West Java.

March 13-14 2023. APRI also attended the activities of the Sustainable Crab Fishery Management Team (TPPRB) in West Java. Through APRI staff as APRI representatives who attended directly at that location.



APRI was also present at the KKP Legal Forum activities

Activities organized by the KKP in the city of Bandung on March 14-15 2023 directly by Ir. Bambang Arif Nugraha as APRI Expert Officer, the complete activity can be watched on the YouTube channel @kkpgoid





APRI - PANRITA Coordination Meeting Regarding TREKFISH

Activities were carried out in Bogor, through Research and Executive Director Dr. Ayu Ervinia together with APRI Staff Wijdan T. coordinated with Prof. Indra Jaya regarding the results of the Trekfish report as well as monitoring the position of Trekfish equipment located in Rembang, Pamekasan and Pangkep.



APRI - NFI Crab Council meeting in Boston America

APRI attended a meeting with the NFI Crab Council in Boston, United States on March 12 2023, which coincided with the Seafood Expo North America (SENA) 2023 which was held on March 12-14 2023. The APRI representative who attended was the APRI Board of Directors, namely Mr. Wita Setioko and GM FIP Mohamad Bagus Satria.



The meeting was held in two sessions, where the first session was the annual NFI Crab Council meeting which discussed generally the development of crab FIP in various countries, one of which was Indonesia. Then the second session was a special session to discuss the progress of FIP crab in Indonesia, led by APRI as FIP lead. Several important points were produced at the meeting, starting from the progress of FIP crab activity in Indonesia, support to continue implementing and developing FIP, how to carry out and implement environmentally friendly fishing, as well as how to increase stocks through stock enhancement programs. Through this meeting, it is hoped that the crab FIP in Indonesia can continue to move in a better direction and continue to realize sustainable Indonesian crab fisheries and businesses.

Technical Guidance Methods Evaluation and Risk Assessment (MERA) by MSC

Through Research and Executive Director APRI. Dr. Ayu Ervinia took part in MERA technical guidance activities organized by MSC Indonesia on March 14-17 2023

APRI Conducts Blue Swimming Crab Restocking Activities at Sea with Fishermen Ds. Kemantren - Paciran

Sunday, April 2 2023. Chairman of APRI Mr. Ir. Kuncoro Catur Nugroho along with Mr. Wita Setioko and Mr. Ir. Bambang Arif Nugraha carries out restocking activities in the Ds sea. Paciran Lamongan Ministry of Education.

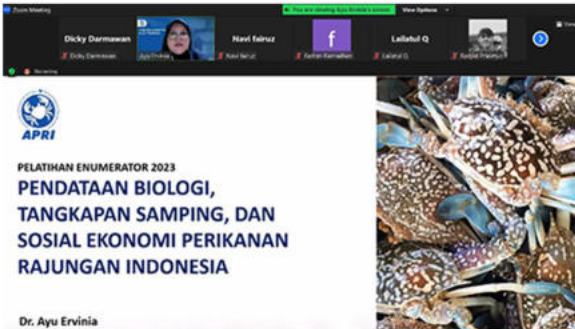
This activity is also a form of effort to support innovation related to cultivation technology and forms of research for crab fisheries.

Hopefully in the future the crab fishery will continue to provide benefits to the community, especially in coastal areas of Indonesia.

The crabs that are being restocked are crabs that are cultivated in round ponds at APS.



APRI ACTIVITY IN 2023



APRI Enumerator and CO-Management Training 2023

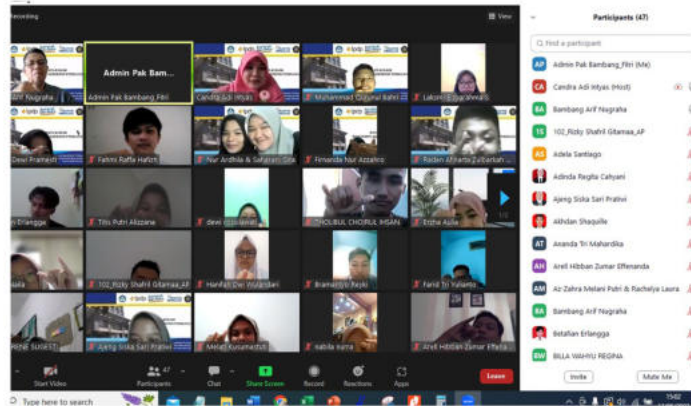
April 14 and 18 2023. APRI enumerator and CO-Management training activities to increase data collection capacity and knowledge in the field. This activity was led directly by Dr. Ayu Ervinia as Research and Executive Director of APRI is also a speaker at this training. This training is also carried out in several sessions and each session will be filled with material related to FIP crabs and is useful for enumerator friends and APRI CO-management in the field.

So far, two sessions have been held online with the first topic related to the introduction of FIP Rajungan by the General Manager of FIP Implementation of APRI, namely M. Bagus Satria and then related to the Biological and NTS data collection guide by Dr. Ayu Ervinia. This activity must be attended by all APRI Enumerators and CO-Management in all fields. In the second session which was held during Ramadhan yesterday also went smoothly, in the second session the enumerators and APRI CO-Management received material related to Observation of Mangrove and Seagrass Habitats by APRI Staff, then the next material was related to Ghost Fishing Clean UP and Coastal Clean UP as material introduction to enumerators and APRI CO-Management for activities that have a positive impact on crab fisheries.



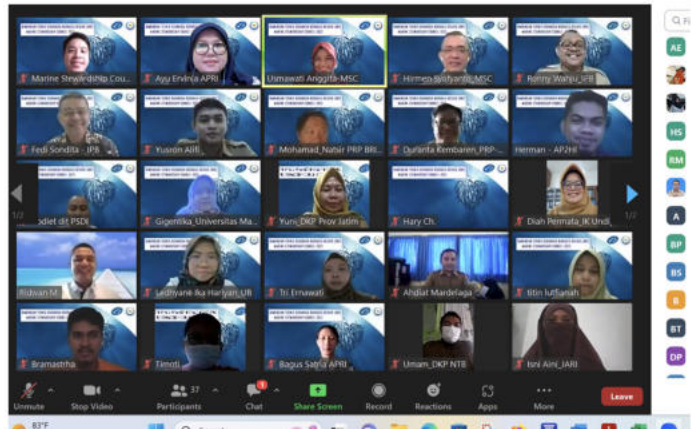
Pendampingan Pengukuran untuk Dokumen PAS Kecil Ds. Pagagan

Selasa, 9 Mei 2023. Lailatul Qomariyah sebagai CO-Management APRI di Pamekasan turut hadir mendampingi kegiatan pengukuran kapal nelayan rajungan di Desa Pagagan yang dipimpin secara langsung oleh Pimpinan Syahbandar beserta staff nya. Selain itu turut hadir juga perwakilan Dinas Kelautan dan Perikanan Pamekasan.



APRI Invites UNHAS and UB Students Learn about Sustainability in the Environment and Industry

Through Practitioner Activities Teaching the Fisheries Agribusiness Study Program at Hasanuddin University Makassar and Brawijaya University Malang, Mr. Ir. APRI Expert Officer Bambang Arif Nugraha provided material on fisheries agribusiness entrepreneurship, both in terms of commodity selection, production and technology innovation, production management, marketing management to social entrepreneurship and business development.



Marine Stewardship Council (MSC) Risk Based 2023 Training Framework

11-17 May 2023. APRI Has the opportunity to take part in activities carried out by MSC online. This activity is a useful training activity in risk analysis for fisheries in Indonesia. This activity was also attended by several related stakeholders.



Socialization Related to Government Regulation No. 11 of 2023 Regarding Measurable Fishing.

Tuesday, 23 May 2023. The Ministry of Maritime Affairs and Fisheries carries out socialization activities on Government Regulation no. 11 of 2023 concerning Measurable Fishing as well as public consultation on Draft Regulation of the Minister of Maritime Affairs and Fisheries concerning Implementing Regulations of Government Regulation no. 11 of 2023.



Assistance Small PAS Measurements with East Java Government and KSOP Pasuruan

23 June 2023. Around 290 fishing vessels in Lekok District, Pasuruan Regency which were registered at the opening of the Joint Harbormaster and Port Authority (KSOP) outlet in Pasuruan have now had their vessels measured to meet the requirements for issuing a Small PAS for fishermen.



"Roundtable Discussion on Sustainable Seafood Product in Domestic Market"

Friday, June 9 2023. APRI was also present at the "Roundtable Discussion on Sustainable Seafood Products in Domestic Market" organized by the Indonesian Marine Stewardship Council (MSC).



Signing of APRI Cooperation MoU with Polytechnic KP Sidoarjo .

Friday, July 14 2023. This signing was carried out at the KP Sidoarjo Polytechnic Campus and was signed by the Chairman of APRI, Mr. Ir. Kuncoro Catur Nugroho M.M with Mr. I Gusti Putu Gede Rumayasa Yudana, S.Pi, M.P as Director of Polytechnic KP Sidoarjo .

This activity aims to collaborate in the sustainability of crab fisheries and continue existing collaborations such as developing innovation and technology for crab cultivation.



FIP Implementer National Meeting 2023

Tuesday, June 13 2023, APRI as the FIP implementer in crab fisheries also attended the 2023 National FIP meeting which was organized by the Ministry of Maritime Affairs and Fisheries of the Republic of Indonesia and the Indonesian Marine Stewardship Council (MSC) to support sustainable capture fisheries in Indonesia.



Pasuruan Fisheries Bureau Collaborating with APRI in Fisherman Development in Pasuruan

Friday, June 23 2023. This activity is a development activity for the control of fisheries resources and fishing routes carried out by the Pasuruan Regency Fisheries Service in collaboration with a number of stakeholders such as: POLAIRUD, PDSKP, and APRI

APRI ACTIVITY IN 2023



Future Aquaculture for Crab Fisheries: APRI doing “Underwater Restocking” and Development for Crab Cultivation



July 26 2023. APRI held discussion activities with teams from the Smithsonian and IMET to discuss crab research that will be carried out in Makassar and Javanese waters.



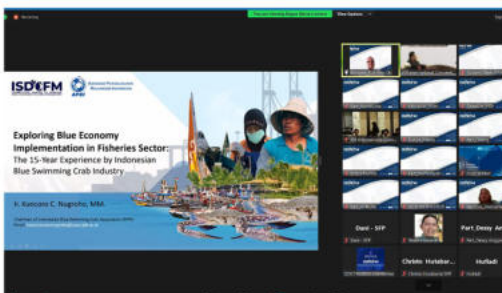
28-31 July 2023. The APRI team has surveyed several locations to determine "underwater restocking" for crab, these locations are sandy areas, corals and sea-grass ecosystems which also contain mangroves.

This activity will be carried out in August and "tagging" will be carried out on crabs that will be restocked in order to find out the benefits and impacts of this activity.



International Seminar on Demersal and Crustacean Fisheries Management (ISDCFM).

3-4 August 2023. APRI sent 15 research papers related to crab fisheries which were presented directly by the APRI field team or APRI Enumerators and staff. The general chairman of APRI was the keynote speaker at this ISDCFM activity and Mr. Wita Setioko was a presenter in his research and won best presenter at the international seminar activity organized by MSP IPB. Mr. Ir. Kuncoro Catur Nugroho discussed topics related to the blue economy in crab fisheries in quite detail on the second day of the meeting and continued with the next meeting, which was related to the presentation of research conducted by APRI enumerators and staff.



List of APRI Journal Publications at IOSS and ISDCFM :



Research Title Publication

14 JOURNAL

1. The proportion of the egg berried female crabs and the hatching time based on differences in the eggs colour of the blue swimming crab in the crab box apartment
2. Growth and survival rate of blue swimming crab enlargement in the south coast of Pamekasan, Madura Island
3. Improving size and selectivity of blue swimming crab (*Portunus pelagicus*) by using collapsible trap with escape vents in Pamekasan, Madura Island
4. Composition of lost and discarded fishing gear (ghost fishing) in the blue swimming crab fishery in Rembang, Central Java
5. A cost benefit analysis of blue swimming crab gillnet fishery in Pangkajene Island, South Sulawesi
6. The impact of mangrove environmental conditions on the growth rate of juvenile blue swimming crab (*Portunus pelagicus*) in Polagan Beach, Pamekasan, Madura Island
7. Characteristics and density of the horseshoe crab (*Tachypleus gigas*) from gillnet fishery in Pamekasan, Madura Island
8. Seasonal comparison of catch abundance and size of blue swimming crab (*Portunus pelagicus*) in Rembang, Central Java
9. Diversity of non-targeted species on blue swimming crab *Portunus pelagicus* collapsible trap fishery in Pemalang, Central Java
10. Life history and spawning potential of blue swimming crab *Portunus pelagicus* (Linnaeus, 1758) in Pamekasan, Madura Island, Indonesia
11. Diversity of non-targeted species on blue swimming crab *Portunus pelagicus* gillnet fishery in Grogol, Cirebon
12. Population Dynamics Of The Three-Spot Swimming Crab (*Portunus Sanguinolentus*) In Pati Waters, Central Java
13. Population Parameters Of Blue Swimming Crab *Portunus Pelagicus* In The Tiworo Strait, Southeast Sulawesi
14. Blue Swimming Crab Enlargement Technique: Insight From Small-Scale Fishery In The South Coast Of Pamekasan, Madura Island

Publication Status



IOPscience

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APRI ACTIVITY IN 2023



Smithsonian Environmental Research Center (SERC) visit To APRI Hatchery Station

18-21 August 2023, Mr. Henry and Mr. Robert from the Smithsonian Environmental Research Center (SERC) has joined us from Makassar to Situbondo East Java to see our sustainable blue crab hatchery.

In this activity, Mr. Henry and Mr. Robert wanted to see the possibility of increasing stocks by restocking, Mr. Robert together with Wita Setioko as APRI Management and the APRI team carried out underwater restocking at locations marked by APRI.



"Leading Fisheries Partnership Forum Sustainable" by USAID Ber-IKAN

August 29, 2023, Dr. Ayu Ervinia had the opportunity to explain the role of the Association in fulfilling MMPA exports. One of the efforts in sustainable fisheries management is to minimize the impact on ecosystems and habitats caused by fisheries activities. This activity was also attended by several associations such as AP2HI from Tuna, APRI also continues to strive to disseminate information throughout the supply chain regarding this MMPA species.



Pasuruan Fisheries Bureau Socialization KUB development with APRI

29 August 2023, APRI also attended activities initiated by the local government, namely the Pasuruan Fisheries Bureau Service, on the agenda for a meeting of crab fishermen in Semedusari village, Pasuruan, East Java. Head of the Capture Fisheries Service, Mr. Ahmad Sholah, accompanied by staff, explained the profile of fishermen in Semudasari Pasuruan village in socializing sustainable fishing with environmentally friendly fishing gear, and APRI also took part in delivering several sustainability programs for fishermen to know the benefits. the importance of preserving nature in the welfare of fishermen in Pasuruan. This outreach also provides posters regarding environmentally friendly fishing gear regulations.



FIP Exposure to Buyers by APRI Member and APRI Enumerator

14 August 2023, APRI as the FIP implementer in the crab fishery delivered a FIP presentation to buyers who visited PT. SMB which is a member of APRI. This activity was delivered by the Rembang team, namely Rasyid Prasetyo as APRI enumerator and Kamal. M as CO-Management of APRI.



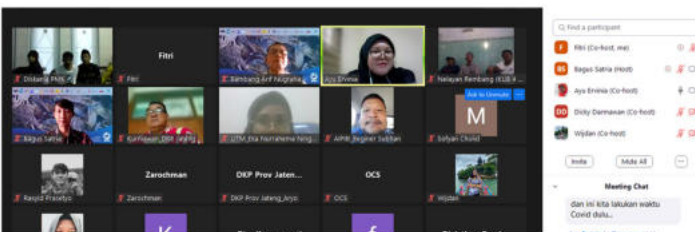
Assistance with Small PAS Measurement for Fishermen in Pamekasan by APRI CO-Management

The Fishing Vessel Registration Certificate (TDKP) is written evidence stating that the fishing vessel is owned by a small fisherman, while the Business Identification Number (NIB) is a certificate as a business license and commercial or operational permit according to the field of business. The TDKP and NIB publishing program is a series of events held by the East Java Provincial Government on 27-28 July 2023 in collaboration with the Pamekasan Fisheries Service. Administrative implementation continues on August 1 2023, where CO Management is still helping fishermen with the process of issuing ship permits in the form of TDKP and NIB for fishermen whose PAS Kecil has just been issued.



Three Years Audit Activities for Fisheries FIP Blue Swimming Crab by APRI

Friday 22 September 2023, APRI carried out three annual audit activities of the fisheries improvement program by Dr. Vineetha as external auditor from Bioinspecta. This activity is a joint discussion with participants regarding APRI's collaboration in implementing the program, including fishermen, field officers, local governments, government agencies, universities and industry. This session opened with an introduction and immediately carried out a question and answer discussion by the auditor



APRI ACTIVITY IN 2023



APRI Meeting with Related PDSPKP Discussion of DHE SDA in Jakarta

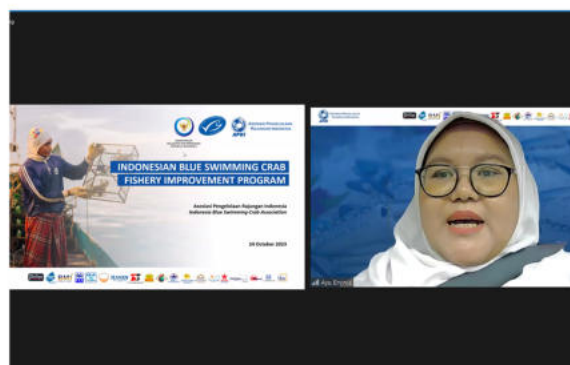
Tuesday, October 10 2023. APRI was also present at a discussion meeting with PDSPKP of the Ministry of Maritime Affairs and Fisheries in Jakarta. This agenda was attended by various related associations, such as AP51, APRI, ASTRULI, APIKI. discuss discussions related to the implementation of the provisions of DHE SDA Fisheries Sector No. Letter B.1066/MEN-KP/VII/2023

APRI's presence was represented by APRI Staff and Staff, namely Mr. Wita Setioko as APRI treasurer and business actor, and Wijdan T. as APRI Staff



Study of Blue Swimming Crab Fishery Conservation Areas in Betahwalang - Demak

On October 6 2023, the Central Java Fisheries Service (DKP) held an FGD activity to study conservation areas in the Betahwalang Village area. APRI, in order to support sustainable crab fisheries, continues to make efforts to preserve crab fisheries. One thing that is important is the existence of a conservation area so that crabs remain sustainable.



Fisheries Supplier and Buyer Gathering Meeting Sustainable by MMAF and MSC

Tuesday, October 24 2023, Dr. Ayu Ervinia explained several developments in FIP and APRI's programs while entering the ITM MSC stage. This activity was attended offline due to a busy schedule. On this occasion APRI also delivered several programs related to the OSF (Ocean Stewardship Fund)



Socialization of the Establishment of the KUB in Pasuruan to Support Sustainability Blue Swimming Crab by Pasuruan Government

Tuesday, October 24 2023, Bagus Satria as General Manager of FIP attended activities organized by the Pasuruan Fisheries Service to establish a KUB for crab fishermen in Nguling Pasuruan. This activity is also used as a means of socialization and fisheries sustainability programs for the welfare of fishermen.



Crab Restocking Activities in Pamekasan Together with Fishermen and Fisheries Local Staff of Pamekasan Bureau



Saturday, September 23 2023, APRI is again carrying out crab restocking activities on the island of Madura, this time the restocking activities are in Pamekasan waters, specifically in Ds. Pagagan District. Pademawu, Pamekasan.

This activity also began with a meeting of the fishermen's group with a light discussion and continued with bringing the crabs on board the boat.

Previously restocking activities were carried out in Lamongan and Situbondo, this time with fishermen in Ds. Pagagan Pamekasan APRI is carrying out restocking activities with the hope that this activity can provide benefits to fishermen and the sustainability of the crab fishery in the restocking area.



APRI IN NUMBER

IN 2023

19

CRAB INDUSTRY

of blue swimming crab processing
is a member of APRI

STOCK ASSESSMENT

10
3
2

Data Collection

Batubara, Lampung, Cirebon, Pematang, Pati Rembang, Pamekasan, Gresik, Muna, Pangkep

FMA Location

571, 712, 714

CO-Management APRI Location

Rembang dan Pamekasan

↓ 5,3%

Presentation of crab small caught

↑ 37%

High SPR in Pematang

↓ 9%

Percentage Crab Lay eggs caught

↑ 118,4mm

Average size crab caught

MSC

0,82 = MSC BMT Tool

FIP =

64%

Green FIP Indicator

36%

Yellow FIP Indicator

APRI YOUTH INNOVATION 2022 -2023

4 Universitas
5 Teams selected from 4 Universities :
UB, IPB, UTM, UNSOED

APRI RESEARCH JOURNAL

28 Research Paper

11 Published on IOP Science

3 Published on JITKT IPB

14 Waiting for Review

STOCK ENHANCEMENT

15.000+

Blue Swimming Crab Seeds

3 Location

Restocking Activities in Lamongan, Situbondo and Pamekasan

Source: APRI DATA 2023

2023 Patners :



Indonesian Blue Swimming Crab Association

Jl. Dukuh Kupang Timur XI No. 33, Surabaya, East Java, Indonesia