

#APRIGoesToSociety

FIELD STORY

FROM APRI ENUMERATORS



Photo : Enumerator APRI

September Edition

Our Story From Field

This our news from the field reported directly by APRI enumerators at the blue swimming crab data collection in Indonesia



Small Vessel Under 1 GT in Batubara for Catch Blue Swimming Crab

24 September 2023. Some local Batubara residents catch crab using canoes with an average length of 5-7 m with a width of 1.5-2 m. Most fishermen use "dongfeng" 8-15 pk machines.

Apart from being used to catch crabs, these canoes are sometimes also capable of carrying shrimp nets. Even with machines and canoes that are not too big, the community is able to get enough results to meet the needs of the fishermen's families. **(Nafisa Fairuz)**



Data Collection on Gill net fishermen in East Lampung

23 September 2023. The main activity as an enumerator is collecting data, visiting landing locations is a daily activity. The hot weather and sometimes the wind also makes fishermen consider going to sea

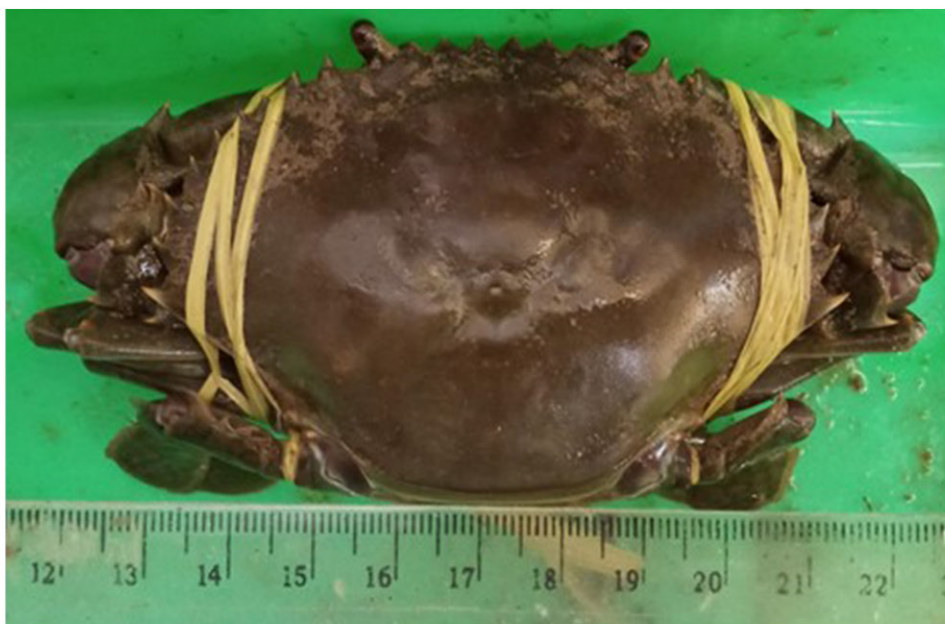
The fisherman's catch is directly transferred to the collector for handling the crab. Before that, fishermen weigh their crab catch and collect data because if data collection is carried out late, boiled crab cannot be measured. **(Andy Azis)**

NTS Data Collection : (*Thenus orientalis*) in Mertasinga Village, Gunung Jati District, Cirebon Regency



28 September 2023. One of the fishermen in Mertasinga Village, Gunung Jati District, Cirebon Regency, namely Mr. Robi, received by-catch that was used (NTS Discarded) in the form of fan shrimp or *Thenus orientalis*. Fan shrimp were obtained when Mr. Robi caught crab (*Portunus pelagicus*) using a net/gill net/kejer. The total catch of fan shrimp at that time reached 1.5 kg.

According to Mr. Robi, the fishing ground area where the fan prawns are found is the same as the crab fishing ground, 4-12 miles away. The size of the fan shrimp ranges from 12-16 cm. **(Meitha P.)**



Crabs are a by-catch of fishermen which is retained because of its economic value

26 September 2023. Folding traps operated in Pemalang waters with the main fishing target being crab (*Portunus pelagicus*). Fish trap fishermen can also increase their income from the types of marine biota caught in traps, one of which is crab. Crabs are one of the by-catches often obtained by trap fishermen. Crabs also have high economic value if they are sold alive by fishermen to collectors. **(Nur Arofah)**

Increase Income Fishermans in Pati using "Rawai" / Longline to go Fishing



29 September 2023. Longline is a fishing tool consisting of a hook/hook, branch line, sign buoy and main line. The use of longline fishing gear is greatly influenced by the presence of bait. Generally, bait is attached to the hook which serves to attract the attention of fish. Real bait can include live or dead fish, shrimp, or other organisms. When using bait, it is very important to pay attention to the fish's eating habits. Fish have a habit of looking for food using their sense of smell and sight. Apart from bait, the depth of fishing is very influential in the operation of the equipment catch, which is adjusted to the habitat of the target fish caught. The habitat of fish resources is different, according to the conditions of certain aquatic environments in the process of foraging for food to carry out life processes.

This fishing gear was started to be operated in Pati Waters by crab fishermen in Keboromo Village to increase their income when crab catches started to get low. What's unique is that crab fishermen don't immediately replace their traps with longlines, but add them to their boats. So in the evening before morning they operate fish longlines, then after that they lower their traps to catch crab. The reason for doing this is because 'the fishermen from Keboromo Village are regular fishermen who catch crab, moreover the price of fish is not comparable to the price of crab' said one of the fishermen from Keboromo Village. **(Ervin S.)**





Monitoring Crabs Released Their Eggs in the Crab Apartment

01 September, 2023. on of crab apartments located in Layur Hamlet, Gedongmulyo Village, Lasem District, Rembang Regency. The crab apartments were budgeted by APRI in collaboration with fishermen groups in Layur Hamlet. The way to use it is by adding a crab box to the apartment as a container for releasing female crabs that lay external eggs that are accidentally caught by fishermen. Every fisherman who accidentally catches a female crab laying external eggs must be returned to nature for the sustainability of the crab or can be placed in a crab box in the crab apartment. Fishermen who have stocked crabs in their apartments are required to report to APRI officers or the KUB chairman to see the fishermen's activity and awareness regarding the sustainability of crabs.

Once every two weeks, APRI officers in the field together with members of the group they accompany carry out routine monitoring of the apartment. The aim is to check the condition of the apartment if anything needs to be repaired. Secondly, the crabs that have released their eggs are taken and then sold to collectors. The proceeds from the sale of crabs are returned to the fishermen who filled them or the owners of the crabs. **(Kamal M.)**

Beach Clean Up Indah Layur Beach in Rembang



16 September 2023. Beach managers take the initiative to hold regular beach cleaning activities to beautify the beach. Beach cleanliness is carried out by administrators and shop owners by picking up rubbish along the beach and making a simple tool in the form of a sand rake to clean the fine sand from small rubbish.

Mbah Norman, as a fisherman, spends the afternoon after returning from fishing by cleaning the beach with other administrators Sulekha, Isdor, and Suparwis. One of the beach clean up activities was carried out on September 16 2023 by raking sand along the beach and cleaning up rubbish along the pine trees. Apart from that, stall owners such as Mr Sugeng also helped collect rubbish around the stall and the visitors' gathering place. This cleanliness provides comfort and beautifies the beach so that visitors can enjoy it more. Hopefully this activity will continue to be carried out so that this tourist beach will get better. **(Rasyid P.)**



Beach clean-up and Mangrove Planting Activities with the Local Community, Local Residents and Fisheries Instructor



24 September 2023. In order to maintain the cleanliness of beaches and support the government's "blue carbon" program, in Mengare Gresik, one of the APRI crab data collection locations, beach cleaning and mangrove planting activities have been held.

This activity is also a means to introduce the area of berare as a mangrove tourist attraction. The clean-up of the Mangare area was enthusiastically welcomed by the community by collecting plastic waste together. This activity is an effort to maintain the balance of the ecosystem where mangroves, seagrass and coral reefs can provide enormous benefits. **(Pahad M.)**

Blue Swimming Crab Release Activities (Restocking) in Pamekasan



23 September 2023. Crab crab is one of the marine crab commodities that has high economic value so the demand for crab is always high. However, the need for export activities still depends on wild catches, which could threaten the sustainability of crab resources.

One of the activities that can be carried out is restocking activities. Crab release activities or what is often known as restocking activities are an effort to increase stock by releasing cultivated crab seeds into waters. Restocking activities can be effective in achieving management goals if carried out under the right conditions and management. The crab restocking activity in the Coastal Village of Pagagan was carried out on September 23 2023 after group meeting activities. **(Lailatul Q.)**





NTS Data Collection : Charybdis feriatus is the NTS that is often found this month

14 September 2023. Crab fishermen's catch cannot be said to be stable in terms of results, but what is different this time is in terms of by-catch/NTS (Non Target Species). Crab fishermen using trap fishing gear in the Pagagan village area, Pamekasan district almost every day get by-catch of red crabs/cross crabs (*Charybdis feriatus*). Maybe it's red crab season this month, so lots of them are caught in crab traps. When compared with the main catch, namely crab, the percentage can be 80% crab - 20% red crab this month, which is usually only 5-10% in previous months.\

So the data collection carried out by APRI enumerators not only collects data on crabs which are used as the main catch but the side catches are also recorded, for example what is interesting this month is *Charybdis feriatus* which is often caught by crab fishermen. **(Farhan R.)**

Socialization of Horse Crab (Belangkas) as ETP Species in Pangkep Regency

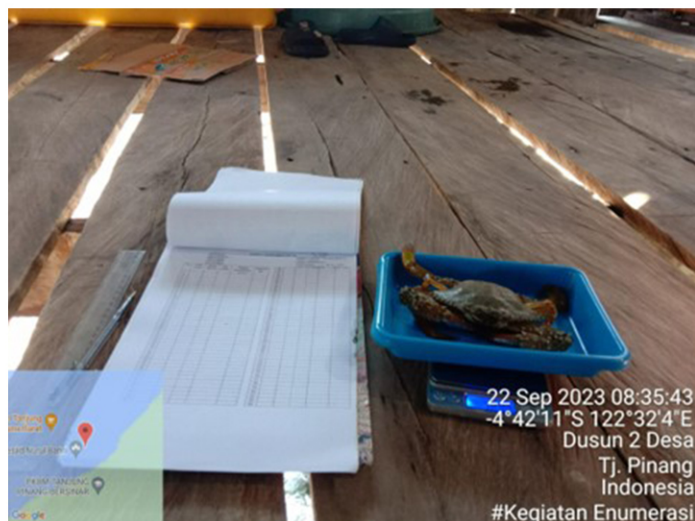


30 September 2023. A banner for a small crab collector named Pak Sakka has been installed which is located in Tamarupa Village, Mandalle District, Pangkep Regency. The banners that were put up had a theme of preserving Belangkas or appealed to fishermen to avoid catching Belangkas and not to sell them, because this commodity is a protected and endangered animal.

Furthermore, in Pangkep itself, as long as the Enumerator carried out data collection and observation duties, there was never a single fisherman who got these animals or commodities. However, as a preventive measure in the future, so that fishermen don't accidentally catch them, this needs to be socialized directly to fishermen and putting up banners is one form of prevention carried out by the Enumerator. **(M. Wellis)**



APRI Enumerator Activity in Tanjung Pinang Village



26 September, 2023. The level of success of an object in research certainly cannot be separated from the hard work activities of an enumerator who always updates the location at all times, this is in accordance with what has been done every month as an APRI enumerator whose data collection location is in Tanjung Pinang Village, West Muna Regency, Southeast Sulawesi Province. September 22, 2023.

The front guard in meeting data needs is that enumerators are able to provide data. An enumerator is able to apply operational and technical guidelines for data collection activities at each predetermined location. Data collection activities every month include sampling of crab taken at the waters of Tanjung Pinang Village, which is obtained from catches of traps landed in miniplants. Parameters measured and observed included carapace width, weight, sex and gonad maturity. The carapace width was measured using a 30 cm ruler. The weight of individual crabs was measured using a Fleco i2000 analytical scale (accuracy level 0.1 gr) which was tabulated in a biological data table using the Microsoft Excel program. Not only that, an enumerator can collect data in the form of landing data, NTS (Non Target Species) data, socio-economics and information related to sustainable crab improvement programs. This activity is a routine activity that is mandatory for an enumerator every month.

The Indonesian Blue Swimming Crab Association is an acronym for APRI which focuses on sustainable and sustainable management of crab fishery resources. APRI contributes a major role to the progress of the crab fishery in a controlled manner from upstream to downstream. **(M. Cardin)**



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This Our Story

Asosiasi Pengelolaan Rajungan Indonesia

Jl. Dukuh Kupang Timur XI No. 33, Surabaya, Jawa Timur, Indonesia

 : rajunganindonesia@gmail.com     | [@rajunganindonesia](https://www.instagram.com/rajunganindonesia) |  www.apri.or.id