

#APRIGoesToSociety

FIELD STORY

FROM APRI ENUMERATORS



Photo: Pahad Maulana_Enumerator_Gresik

March 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



Batubara Release and Socialization of Crab Under 10 cm in Size

March 14, 2023. Navisa Fairuz as an enumerator in Batubara socialization with fisherman about crab minimizing legal size. The blue swimming crab commodity (*Portunus pelagicus*) is a commodity that is quite in demand both in Indonesia and abroad. Therefore, in order not to overfish and also to remain sustainable, the catching have been regulated in the Regulation of the Minister of Maritime Affairs and Fisheries of the Republic of Indonesia Number 17 of 2021 CHAPTER III the second part of article 12 paragraph 1 (b) which states that: Arrest and/or crab traffic (*Portunus* spp.) with harmonized

Batubara Regency is one of the regencies with quite intensive crab capture activities and does not rule out the possibility for fishermen to accidentally catch crabs below 10 cm. Therefore, counseling is necessary and some small actions to be able to reduce the percentage of crab catch below 10 cm.

Fisherman named Mr. Iwan accidentally caught a crab below 10 cm after being given counseling about a law regulating the capture of crabs, one of which had to catch crabs with a size above 10 cm, he was willing to release the crab back into the sea but the risk of death from the crabs that had already been caught. **(Nafisa Fairuz)**

Share the Benefits of 4,5 Inch Nets for KUB Damar Laut In Lampung

March 29, 2023. 4.5 inch net is one of the cooperation programs between fishermen and APRI. Cooperation that becomes a pioneer in the management of sustainable crabs. The use of nets with a 4.5 inch mesh size is expected to make fishermen aware to reduce the use of nets with mesh sizes of 3.5-4 inches. The hope is that the crab caught is a crab that has been spawned at least 1 time and is large to improve the quality of the crabs processed for export.

Lampung Province is one of the designated locations for 4.5 inch net cooperation. Fisherman Kuala Penet, Margasari Village, Labuhan Maringgai District, East Lampung Regency. Cooperation is carried out with KUB Damar Laut. The 4.5-inch net began to be used in September 2022, the net used was 4 straps/unit. The net is used in turns by 10 members, until now, March 29, 2023, a 4.5-inch net is still used and there are no obstacles/conflicts from members of the Damar Laut KUB. Good management has been carried out by the chairman of KUB, his name is Mr. Eko Triyanto who has united the votes of his members.

Nets are used by members who do not have a net, have the capital to repair the net, or are being hit by a disaster (the sinking ship along with the net, the net is lost by another fishing gear, or deliberately taken by someone else). With good management, groups can have savings/cash that can be used by their members. The funds are obtained from deductions from the sale of crabs, these funds have been agreed upon by members of KUB Damar Laut. **(Andy Azis)**



Empowerment of Housewives in the Process of Peeling Blue Swimming Crab Meat in Cirebon

March 23, 2023. Blue Swimming Crab (*Portunus pelagicus*) is known as a marine commodity that is loved by all circles from children to adults. The public's high enthusiasm for rajungan consumption also makes crab entrepreneurs think about carrying out the rajungan stripping process to increasing people's interest in consuming crab, with the presence of peeled rajungan meat making people more creative in processing crab so that the crab dish is not monotonous.

Mrs. Surpi, one of the BSC entrepreneurs in Mertasinga Village, Gunung Jati District, Cirebon Regency, West Java Province. Mrs. Surpi herself started a crab business in 2003, while the crabs landed in miniplants were caught from Cirebon waters with an average total catch per day that could reach 10 kg. As for the crabs that are landed in Ibu Surpi's miniplant, they are not sold in their entirety but will be peeled off. Mrs. Surpi empowers housewives around the miniplant to do crab stripping, a total of 7 housewives work in Mrs. Surpi's miniplant. The first mechanism is crushed first for 15-30 minutes, removed, cooled, and peeled.

Peeling crabs must have this skill stated Mrs. Weni, one of the mothers who peeled crabs, Mrs. Weni herself has been working as a crab peeler since 2003 when Mrs. Surpi started a crab business until now. Mrs. Weni herself usually peels body parts, it takes less than a minute to peel the body parts, she said that if she doesn't have the skill to peel the meat crabs, they will be destroyed it affects the selling price. Peeled meat is usually deposited into other miniplants to be packaged and sent throughout Indonesia and even abroad. **(Meitha P.)**



Utilization of Blue Swimming Crab Shell Waste in Pemalang



March 26, 2023. Blue Swimming Crab is one of the fishery commodities that has important economic value. In Indonesia, especially on the northern coast of Java, it is a center for crab production, one of which is in Pejajaran Village, Danasari, Pemalang Regency. The fishing community in Pejajaran Village is almost 90% of their livelihood as crab fishermen with folding trap fishing gear. In addition to being one of the crab capture centers, Pejajaran is also one of the crab processing centers. There are approximately 10 kepiti miniplants (or production houses) that carry out the crab stripping process every day. The main waste from the stripping process is in the form of a shell.

The use of crab shells in the pharmaceutical field requires a long process to obtain the content of substances contained in the shell, namely in the form of chitin and chitosan. Owners of stripping places very rarely take advantage of shell waste because it takes a long time for the shell to have economic value. Mrs. Narti is one of the wives of crab fishermen who is also her daily as a crab peeler. He collected the crab shells after the stripping process at the miniplant was completed. The shell is dried to dry for approximately 3 days if the weather is hot. The collected dry shells will later be sold to the shell collector and then deposited into the shell processing plant. **(Nur Arofah)**



The Use of Blue Swimming Crab Trap Towing Machine as a Catching Tool in Pati

March 12, 2023. Blue Swimming Crab Trap is a passive catch, so a lure or bait is needed so that the fish that will be used as a catch target will enter the trap. This tool is commonly known among fishermen with a huge variety of shapes, almost every fishing area has its model shape. Keboromo Village Tayu District Pati Regency is one of the areas where the majority of fishermen use traps as crab catchers.

Crab traps in operation use a long line / long line system with the number of traps reaching 300 - 1,000 units per ship, so they need tools to speed up the withdrawal process and reduce the amount of human power working on the ship. Keboromo Village Fishermen to operate crab trap towing devices using special machines that are separate from the main engine and self-propelled.

Using a ship belonging to Mr. Zarochim who is the head of the fishing group (KUB Bino Makmur) to arrest crabs using a crab trap towing device. The tool consists of a tool frame, a driving machine, a towing disc wheel, and a reduction and rotation direction change (gear box). Although this tool is quite expensive and heavy in weight, in reality it is very influential with the crab's catch. So that only fishermen who have medium-sized boats and have traps of more than 500 units have these tools. **(Ervin S.)**



Making a Floating System of Blue Swimming Crab Apartment in Rembang

March 27, 2023 the installation of floating apartment crabs was carried out. Assembly is carried out near the coast or at shallow depths to make it easier during assembly. The installation activity was carried out by 2 groups of fishermen, namely KUB Samudra Jaya 4 and KUB Samudra Jaya 5 which was represented by the management. and also attended from Dinlutkan Rembang or represented by the fishery extension of Rembang Regency. After the assembly is completed approximately 3 hours of assembly time, then the chart is pulled using 1 boat to a predetermined location point (1 mile from the beach) so that it is easy to monitor.

Crab apartments are made with a floating system that aims to reduce the risk of damage caused by high sea waves and are more comfortable to be stepped on. The second goal is that it can also be used as a trial of crab hatchery in nature, and can be used for public education about crabs, especially people who are located far from the beach. As for the main With the crab apartment, fishermen hope that crabs in the Rembang sea can be sustainable and the crab catch from fishermen will increase. **(Kamal M.)**



Trial of 4,5 Inch Net Usage Also Conducted in Gedongmulyo Rembang



March 25, 2023. Blue Swimming Crab is one of the main marine commodities caught by Rembang fishermen. One of the fishing gear used in catching crabs is a net. The use of nets is generally done by small fishermen with a sea distance of 2-12 miles from the beach. The net used by Rembang fishermen on average has a mesh of 3-3.5 inches, so the crabs caught vary greatly from sizes under 10 cm to large sizes. Currently the arrest of small crabs and laying outer eggs is regulated by Permen KP No. 16 of 2022 so efforts need to comply with Permen KP No. 16 of 2022. One of the efforts that can be made is by testing the replacement of the net using a larger (4.5 inch) mesh, so that in particular small crabs (<10cm) are not caught during the arrest.

This net change trial was conducted in Dukuh Layur, Gedongmulyo Village, Lasem District, Rembang Regency which was carried out on 2 KUBs, namely KUB Samudra Jaya Empat and KUB Samudra Jaya Lima which are the APRI (Indonesian Crab Management Association) assistance group. The use of nets starts from June 2022 to August 2022 to ±40 fishermen with a total of 5 nets per fisherman. On August 25, 2022 Enumerator Rembang participated in the sea fishing net, Mr. Eko Santoso, who is the chairman of KUB Samudra Jaya Lima to see the condition of the fishing ground and how influential the 4.5 inch net capture is when compared to 3 inches. From the crab catches obtained by fishermen, it can be seen that the yield of the 4.5 inch net has a larger size, but relatively less yield compared to the 3 inch net. Hopefully this effort can be one of the solutions to comply with Permen KP No. 16 of 2022 and preserving crabs in nature. **(Rasyid P)**

The Release of Horseshoe crab (*Tachypleus gigas*) as A Bycatch of Blue Swimming Crab Nets in Gresik



March 21, 2023. Horseshoe crab (*Tachypleus gigas*) is an animal that belongs to the family Limulidae and is known as a living fossil term and in Indonesia it is used as one of the genetic resources. Horseshoe crab includes protected animals or biota based on P.20/MENLHK/SETJEN/KUM.1/6/2018 Regulation of the Minister of Environment and Forestry. The Gresik Coast is still often found by horseshoe crabs that are also caught by fishing crab nets. Therefore, there needs to be socialization regarding the preservation of horseshoe crabs in the community, especially crab fishermen on the island of Mengare, Gresik Regency.

To find out firsthand the existence of horseshoe crabs caught by crab nets, I as the enumerator of the Indonesian Crab Management Association (APRI) took the initiative to go to sea with fishermen. On September 21, 2022 I went to sea with Mr. Ri, the fisherman of Mengare island crab. Please note that horseshoe crab is an animal that is now endangered, Threatened and Protected (ETP). This is because there are still many horseshoe crabs that are caught and traded. Sure enough, when the crab net was pulled, there was still a horseshoe crab that was also caught by fishermen, there was one horseshoe crab that was caught, namely the *Tachypleus gigas* type and male. Why horseshoe crabs can be caught by crab nets because horseshoe crabs and crabs have the same habits, namely when spawning, crabs.

Socialization regarding preservation is very important to maintain the sustainability of horseshoe crab in the waters of Mengare Gresik Regency. Efforts to handle horseshoe crab preservation begin when removing horseshoe crab from a fishing net, namely by positioning the soft part facing up and then removing the horseshoe crab's body part from the net with the heart, making sure the horseshoe crab is alive by observing the movement of the legs or gills of the horseshoe crab, holding both sides of the horse It is hoped that with socialization and handling of horseshoe crabs from the Indonesian Crab Management Association, it can prevent attempts to catch horseshoe crabs on the island of Mengare, Gresik district, and can be a reference if fishermen get protected species caught by crab nets. **(Pahad M.)**



Trial of 4,5 Inch Net Usage Also Conducted in Pamekasan Pollagan Village

March 24, 2023. One of the potentials of marine fisheries is Blue swimming crab (*Portunus pelagicus*). Crab is one type of Crustaceans that is popular in the community and its existence is almost spread throughout Indonesian waters. Crab is one of the fishery commodities that has a high economic value and is an export commodity whose demand is increasing from year to year. Until now, all crab export needs still rely on the catch in the sea. Polagan is one of the crab catching areas in the Pamekasan district.

Gill nets are one of the fishing gear used by fishermen to catch crabs in Polagan village. Crab is the main catch from the gill net fishing gear in the polagan. A side catch is a catch that is not the target of the main capture. Gill net fishing gear used in the Polagan area generally uses a mesh with sizes of 3, 3.5 and 4 inches following the crab season. So that the results of catching crabs obtained by fishermen also vary from small crabs (<10cm), medium, large and laying outer eggs. In terms of crab capture here, it has been regulated by KP Candy No. 16 of 2022 in terms of crab capture, including whether or not it is caught by fishermen, especially such as small crabs (<10cm) and laying outer eggs. Here we APRI (Indonesian Crab Management Association) accompany fishermen to try using a net fishing gear with a mesh size larger than usual, which is 4.5 inches so that small crabs can escape and not be caught, he thought we are one form of the experimental efforts to find a solution in complying with KP Candy No. 16 of 2022.

This 4.5 inch net experiment was precisely carried out in the temple hamlet, Polagan Village, Galis District, Pamekasan Regency. This 4.5 inch Net Experiment was followed by 15 fishermen with each fisherman using 5 sets of nets. The stocking experiment was conducted from June 2022 to September 2022. On July 24, 2022, Enumerator Pamekasan followed the head of the fishing group at sea to find out the point of the capture location and also how influential the difference in the catch from the previous one usually used a net size 3, 3.5 and 4 inches with this 4.5 inch net experiment. From the results I saw, the catch at that time for small crabs (<10cm) Hopefully this experiment will be useful for local fishermen as well as fishermen in other locations and also the government, if the experiment depicts the use of a 4.5 inch net, the results have been explained as above. (Farhan R.)



Release of Egg Barried Female to The Crab Apartment in Pagagan - Pamekasan

March 3, 2023. Blue Swimming Crab is one of the fishery commodities with high economic value, so the demand for this commodity is increasing. This can trigger overfishing, which will cause crab catch to decrease every year. For this reason, efforts need to be made to preserve the sustainability of this commodity, one of which is by inserting crabs laying outside eggs into the location of the crab appartement.

The activity of releasing crabs laying eggs to the Crab Appartement location by Mr. Muksin as one of the fishermen of Pagagan Village is an example of crab conservation activities. This activity aims to release or hatch the eggs first before they are sold to the pliers. This can be beneficial for the sustainability of crabs in the future because the hatched larvae can return to the sea in the hope of developing into adults so that the preservation of crabs can be controlled. The location of the Crab Appartement is in a coastal area adjacent to the Mangrove Forest which is made in such a way, so that fishermen in each direction go home before heading to the billor can release outer egg-laying crabs that are accidentally caught in their fishing gear. (Lailatul Q)



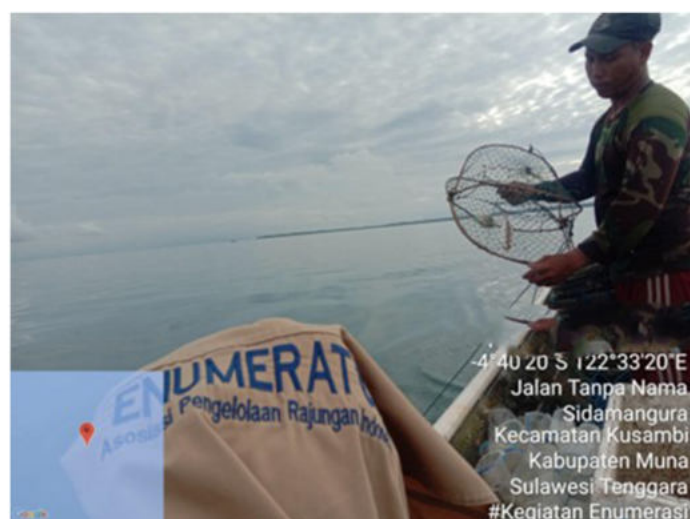
GTK 5 Minutes Socialization by Enumerators in Mandelle - South Sulawesi



March 29, 2023 there was a socialization and discussion about the GTK5 program to one of the fishermen named Usman or who is often called uze. This activity is carried out directly at the fisherman's residence. this activity is very important in the implementation efforts of PERMEN KP NO 16 of 2022. The purpose of this socialization is to remind Fishermen so that Small Crabs and Laying outer eggs that were accidentally caught are released back to the sea before 5 minutes to reduce the risk of death and crab fisheries that remain sustainable. The next goal is to remind that the potential wealth of natural resources in this case crabs can be maintained and managed properly.

Muh Wellis as an enumerators APRI usually collect the data but our enumerators also have to contribute in sustainable blue swimming crab with socialization about GTK 5 Minute in fisherman. **(M. Wellis)**

APRI Enumerator Activity in Tanjung Pinang Village



March 8, 2023. An Enumerator must be required to be proficient in retrieving a data in the field so that the need for crab data can be fulfilled. Thus as the Enumerator of APRI (Indonesian Blue Swimming Crab Association) which is a data collection location in Tanjung Pinang Village Kusambi District, West Muna Regency. Tanjung Pinang Village is a fishing village or all activities of the sea/fish community including bagan fishermen, fishing nets, seaweed cultivation, crab trap fishermen and crab nets. The focal point of the enumerator data collection is carried out by fishermen whose entire activity is to catch crabs. Sampling is carried out every day by observing and retrieving data including biological data, landing data, socio-economic data, price data and NTS (Non-Target Species) data and directly down to see or document the arrest activity. The results of the data are converted into a stock data for perikan resources. The final value of a data collection can provide information about the abundance of crabs in water specifically in the waters of Tanjung Pinang Village and can provide information about the exploitation of outer spawned crabs and crabs measuring under 10 cm.

APRI develops methods and strategies for the development of the Capture and Return Movement Before 5 minutes (GTK5) the enumerator socializes continuously taking care of crab fishermen and instills a sense of awareness of government regulations against the prohibition of crab capture which when the status of crabs is on the outside and below the size of 10 cm are constantly caught. The regulation of these rules can have an impact on the development of sustainable crabs and are maintained. **(M. Cardin)**



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This Our Story

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