



ASOSIASI PENGELOLAAN RAJUNGAN INDONESIA INDONESIAN BLUE SWIMMING CRAB ASSOCIATION

UNDERWATER RESTOCKING ACTIVITIES IN SITUBONDO

July-August 2023



APRI trialed underwater restocking in Situbondo, East Java on July-August 2023. The crablets are come from the BBPBAP Jepara and then enlarged in facility collaboration between APRI and Polytechnic Marine and Fisheries of Sidoarjo in Lamongan. The crablets then delivered to restocking area in Situbondo. Restocking trialed in 3 different sites. The first site is sand and coral domination, second site is coral reefs, and third site is fish house/shelter. Crablet from the hatchery are put in the box then placed on each site. Each site has 1 box equipped by underwater camera. The site 1 dominated by the sand and some dead coral, while site 2 dominated by coral and the box placed around large coral, and site 3 located in the fish house/shelter, an artificial building built by the community. This site dominated by sand and it is near the coral reef slope.

On early August, Prof. Dr. Ir. Yushinta Fujaya, M.Si from UNHAS and Dr. Oded Zmora from UMBC participate with APRI to going to restocking site Mr. Oded Zmora going to underwater to see the crab box with escape gap to do some restocking.



And in mid of August, APRI has carried out underwater restocking activities and raised Indonesia flag in the context of Indonesian independences day. In this opportunity, also attended by Mr. Henry and Mr. Robert from Smithsonian Environmental Research Centre (SERC) to check our activities. We are using box with escape gap in underwater to protect the blue swimming crab for adaptation to the open sea, we also give a camera trap in box to know how the blue swimming crab can escape from the gap. In This Activity Mr. Henry and Mr. Robert want to see the possible of stock enhancement by restocking, Mr. Robert with Wita Setioko as a APRI Board also APRI team doing underwater restocking.



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We also conduct the potential area for restocking in seagrass beds. The monitoring test using the trap (with smaller mesh size) also being carried out. About 10 traps put in the seagrass bed until the next day to see the habitat and monitoring activities that will be conducted is work or not. And the result shows that the crab (not *Portunus pelagicus*) size 2 cm able to captured by the traps. It indicates that the area was potentially a habitat for the juvenile crab, and the method potentially able to work properly on that area.