



Fisheries Improvement
Project



TRAP WITH ESCAPE VENTS TRIAL IMPLEMENTATION

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

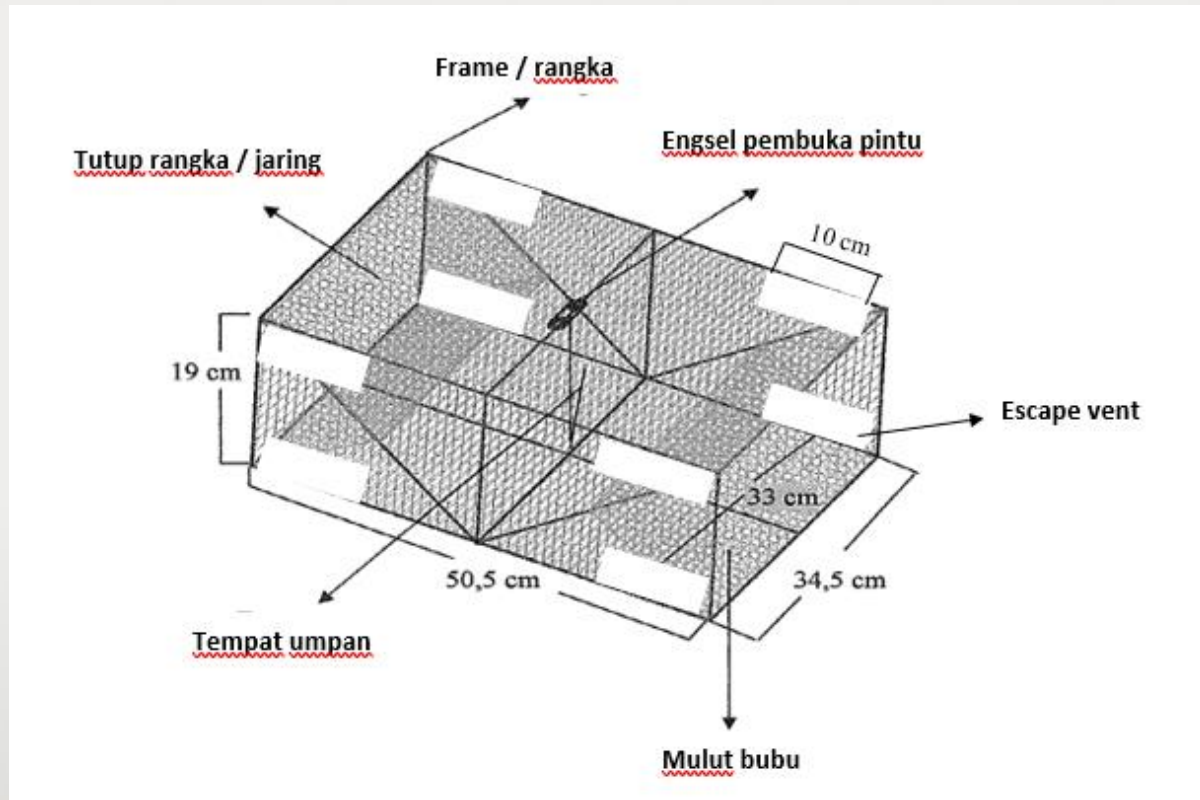
2021

BACKGROUND

Blue swimming crab is one of the largest fishery export commodities in Indonesia. Therefore, it needs to be managed properly so that the blue swimming crab stock in nature is maintained. Based on Ministerial Regulation No. 17/PERMEN-KP/2021, the blue swimming crab that are allowed to be caught must be above 10 cm and use passive and selective fishing gear. However, the fishing gear used to catch blue swimming crabs is still less selective, so there are still blue swimming crabs with sizes below the provisions that are caught. Therefore, APRI collaborated with assisted fishermen in Pagagan Village to use traps with escape vents to increase selectivity.



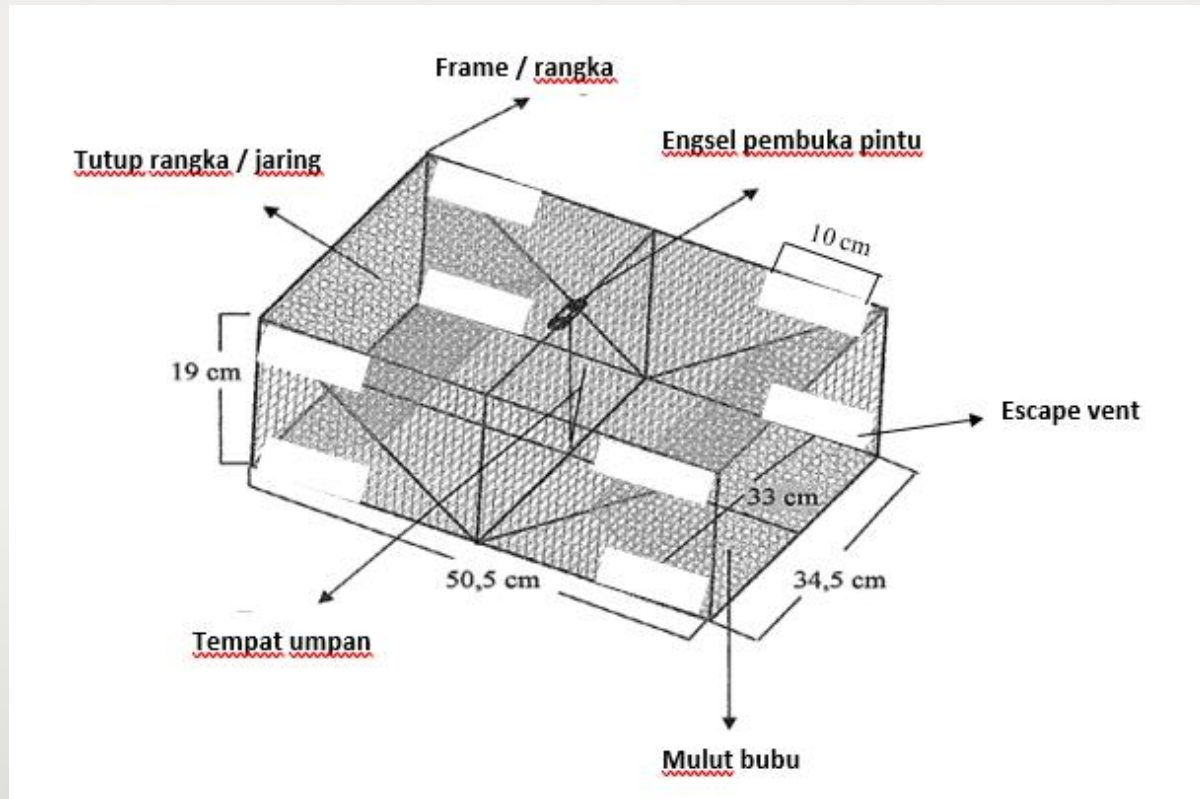
METHOD



Folding trap consists of a frame made of iron and a net. The escape vent modification shown in the picture is made at the ends on both sides with a width of 10 cm and a height of 3.5 cm. So there are a total of eight escape vents that are expected to be able to escape crabs under 10 cm. A total of 40 folding traps with escape vents were made and made in Jepara, Central Java.



METHOD



The 40 folding traps that had been made were then tested in a line/set by fishermen assisted by APRI in Pagagan Village, Pamekasan, Madura, East Java. The catch by fishermen using folding traps is separated from other fishing gear (old traps). Then the catch is recorded by the enumerator. Data collection was carried out during July 2021 to December 2021.

RESULTS

Month	Total	Traps				Ave. of Width (mm)		Ave. of Weight
		M	F	MLS	EBF	M	F	
July	49	22	27	.	.	115.05	116.00	114.97
August	74	36	38	1	.	113.71	115.40	121.80
September	6	3	3	.	.	116.33	122.66	121.86

The catch of folding traps with escape vents during July to September 8, 2021 is shown in table above. The total caught of blue swimming crabs were 129 with a composition of 61 males, 67 females and 1 undersize crab (MLS) and no egg-berried female crabs were found (EBF). Overall, in August found more blue swimming crabs than other months with a total of 74 BSC. When viewed from the average width, all of them are above 10 cm, although there is one undersize crab. So it can be concluded that the use of folding traps with escape vents has a high level of selectivity and is able to reduce the caught crabs below 10 cm.



Fisheries Improvement
Project



www.apri.or.id



rajunganindonesia@gmail.com



[@rajunganindonesia](https://www.instagram.com/rajunganindonesia)



[rajunganindonesia](https://www.youtube.com/rajunganindonesia)



[RajunganIndonesia](https://www.facebook.com/RajunganIndonesia)



[@rajunganindo](https://www.twitter.com/rajunganindo)



[indonesian blue swimming crab](https://www.linkedin.com/company/indonesian-blue-swimming-crab)

