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## The attractivity of the different light color and morphometric characteristic of climbing perch (*Anabas testudineus*)

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This study presents the results of the experiment having the aim to evaluate the attractivity of the different light color for the climbing perch (*Anabas testudineus*). Catches by traps equipped by lamps emitted six different light colors (red, green, yellow, blue, orange and white) were compared with catches of control traps without any lamps. Each light color was estimated in three illumination levels. The trials consisted of 140 trap hauls per lamp type with a submersion time of 10 h. Basically *A. testudineus* positively responded to all colors of the lamps tested. The light traps were considerably higher in the number of catch as compared to the control ( $P < 0.05$ ), except yellow and orange traps. A total of 608 individuals of *A. Testudineus* (7.523 g) consisted of 210 males (2.808 g) and 398 females (4.715 g) were investigated. The size of catch ranged of 60-170 mm total length (TL) and 4-84 g weight. The average CPUEs were ranged from 0.04 to 2.36 fish trap<sup>-1</sup> night<sup>-1</sup>. While the average YPUes were from 0.32 to 40.76 g trap<sup>-1</sup> night<sup>-1</sup>. The mean condition factors of male and female were  $1.41 \pm 0.18$  and  $1.52 \pm 0.25$ , respectively, indicating fish in good condition. The positive group responses of fish were more pronounced at the length sizes between 100 and 109 mm TL. Negative allometric growth pattern ( $b = 2.7255 - 2.8247$ ) was observed in *A. testudineus*, implies that culture strategy should be developed. In addition, efforts to collect them from the wild for breeding and commercial purposes may benefit from this research.

### Biography:

Ahmadi has completed his MSc and PhD from Kagoshima University, Japan in the field of Fundamental Fishing Technology. Formerly he worked for the Ministry of Marine Affairs and Fisheries, the Republic of Indonesia for 17 years. Among his appointments, he served as Member of the Regional Fisheries Policy Network (RFPN) for Indonesia in 2011 at the SEAFDEC Secretariat in Bangkok, Thailand. Currently he is a lecturer at Faculty of Marine and Fisheries of Lambung Mangkurat University and the Secretary of Fisheries Science Postgraduate Program. He actively writes academic papers and published them in reputed journals. He also serves as Editorial Team for Journal of Wetlands Environmental Management under the University.

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