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Morphological Strain Characteristics of Red Snapper, *Lutjanus erythropterus* (Family: Lutjanidae) as a Broodstock potential in East Java, Indonesia

Yuni Widyawati*, Maheno Sri Widodo, Feni Iranawati,
Dewa Gede Raka Wiadnya

Faculty of Fisheries and Marine Sciences, Universitas Brawijaya, Jl. Veteran, Malang
65145, Jawa Timur Province, Indonesia

Abstract : In supporting the genetic quality betterment practice of the red snapper, taxonomic characteristics information of broodstock and young broodstock is really important to know, so that inbreeding rate on the next red snapper offspring will decrease. The role of morphological variation in the aquaculture is one of the indicators in determining a featured stock for selection and hybridization needs which is advantageous in the aquaculture system. The sample is collected from 2 fishing bases, i.e. Indonesian Brondong Fishing Port and Indonesia Prigi Fishing Port (PPN), each of the bases contribute 5 samples. The standard of comparison used to measure 24 samples of fish is Standard Length (SL) and Head Length (HL) bringing in 23 truss-morphometry. Variation on the Principal Component Analysis (PCA) got from the standard length, total length, and Pre-dorsal length (PreDL).

Keywords : cross breeding, aquaculture, red-snapper, morphology.

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