

Fish Diversity in River Sapuregel of Segara Anakan Eastern Area Cilacap

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First Author	
Last Author	
Authors	Setyaningrum, N; Piranti, AS; Carmudi; Sunu, D; Insan, MIQ; Retna, USRD; Adli, ER;
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Abstract	<p>River Sapuregel empties into the eastern region of Segara Anakan Cilacap. It is one of the major rivers surrounded by mangrove forests and has a variety of biological resources, including fish. The research aimed to study the fish diversity and composition Sapuregel river mouth of Segara Anakan Eastern Area Cilacap. Research on fish diversity was carried out from April to September 2018. The method was purposive random sampling at the Sapuregel estuary. The results showed that 1.446 individuals representing 23 families and 34 species were dominated by Engraulidae families in the rainy season (42.57%) and dry season (57.41%) followed by Gobidae (16.82%) in the rainy season and Mugilidae (19, 44%) in the dry season. Small fish within the range of 2.7-22.9 cm dominated the caught fish. Fish Diversity Index ranges from 1.71 to 1.843 in the rainy and dry seasons between 1.352-1.56. These results indicated that fish diversity in the rainy season was higher than the dry season. Evenness Index ranges from 0.1907 to 0.2178 in the rainy season, between 0.2274 and 0.28 in the dry season, the species similarity in the dry season was higher than the rainy season. The size of the fish obtained varied from juvenile to adult size. It was dominated by small fish so that it was suspected that the waters of the River Sapuregel were used as spawning grounds and enlargement of several types of fish.</p>
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Author	Dr.rer.nat. ERWIN RIYANTO ARDLI, M.Sc.