

Komunitas plankton dan ikan di perairan rumpon sekitar Pulau Pramuka(Kepulauan Seribu), teluk Jakarta

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Abstrak

Plankton and fish communities of rumpon waters around pramuka Island (Seribu Islands)<Jakarta bay: A study of plankton and fish communities around the fish aggregating device/ artificial reef (rumpon) made by Dinas Perikanan DKI Jakarta and Pemda DKI Jakarta was conducted at P. Pramuka, Kepulauan Seribu,Teluk Jakarta. The rumpon was made in 1980s decade from trash-woods,broken ship,aged bus,used tires and bekas wich were drownet into thea se.There were 31 genera of phytoplankton and 40-genera of zooplankton around rumpon such as chaetoceras, rochellia, trichodesmium. Ulotrix,calanus and ceratium.Chaetoceros,Rhizosolenia and cratium were the most abundance in the old bus and old tire rumpon. Only 25 genera of phytoplankton (Bacteriastrum,chaetoceros and rhizosolenia) and 20 genera of zooplankton (Acanthometron and caratium) were collected from non rumpon area. Eight fish species were caught by fishing rod from rumpon and non rumpon area.Kakap merah (Lutjanus argentimaculatus) was the most common fish had been caught, and the other are gulara (L monostigma) and balaso(saurida tumbil). The description of structure and condition of the rumpon was observed by using the echosounder.The abundance,diversity and evenness of the plankton and the chemistry and the physical data of the rumpon area were also noted.