

Moh. Choiron Muttaqin NIM 210351100063. Persentase Tutupan Terumbu Karang Dan Komposisi Jenis Ikan Karang Di Pulau Gili Genting Kabupaten Sumenep. Pembimbing **Dr. Firman Farid Muhsoni, S.Pi., M.Sc**

ABSTRAK

Pulau Gili Genting merupakan pulau wisata yang menyajikan keindahan bawah laut dan banyak wisatawan yang terus berkunjung, sehingga perlu adanya strategi pengelolaan ekowisata melalui informasi mengenai kondisi ekosistem terumbu karang dan komposisi jenis ikan karang. Penelitian ini bertujuan untuk mendapatkan informasi persentase tutupan terumbu karang dan komposisi jenis ikan karang di pulau Gili Genting. Penelitian dilakukan pada bulan Agustus sampai September 2024. Metode pengambilan data ikan karang menggunakan metode UVC (*underwater visual census*) dengan panjang transek 75m, dan persentase tutupan terumbu karang menggunakan metode UPT (*underwater photo transect*) dengan panjang transek garis 50m, dan frame transek ukuran 58×44 cm², survey dilakukan pada kedalaman 5 sampai 7 meter. Hasil penilaian persentase tutupan terumbu karang pada stasiun satu 72% termasuk dalam kriteria baik, stasiun dua 14% termasuk dalam kriteria rusak, dan stasiun tiga 63% termasuk dalam kriteria baik. Hasil penilaian komposisi jenis ikan karang di Pulau Gili Genting ditemukan sebanyak 37 spesies dari 10 famili ikan karang. Spesies dari Famili Pomacentridae sangat mendominasi perairan di pulau Gili Genting dengan nilai sebesar 51%.

Kata kunci: Terumbu Karang; Ikan Karang; UPT; UVC

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ABSTRACT

Gili Genting Island is a tourist island that presents underwater beauty and many tourists continue to visit, so there is a need for an ecotourism management strategy through information about the condition of the coral reef ecosystem and the composition of coral fish species. This research aims to obtain information on the percentage of coral reef cover and composition of coral fish species on Gili Genting Island. The research was conducted from August to September 2024. The coral fish data collection method used the UVC (*Underwater Visual Cencus*) method with a transect length of 75m, and the percentage of coral reef cover used the UPT (*Underwater Photo Transect*) method with a transect line length of 50m, and a transect frame size 58×44 cm², survey was carried out at a depth of 5 to 7 meters. The results of assessing the percentage of coral reef cover at station one were 72% included in the good criteria, station two was 14% included in the damaged criteria, and station three was 63% included in the good criteria. The results of the assessment of the species composition of coral fish on Gili Genting Island found 37 species from 10 families of coral fish. Species from the Pomacentridae family dominate the waters on Gili Genting Island with a value of 51%.

Keywords: Coral Reef; Reef Fish; UPT; UVC