

ABSTRAK

Penelitian ini berjudul “Hubungan Persentase Tutupan Karang Hidup dengan Kelimpahan Ikan Hias Karang (*Ornamental Fish*) di Perairan Bangsring *Underwater*, Banyuwangi”. Tujuan penelitian ini adalah untuk mengetahui tutupan karang hidup dan kelimpahan ikan karang di Perairan Bangsring. Metode penelitian yang digunakan adalah metode survei. Pengambilan sampel persentase tutupan terumbu karang dilakukan dengan *Underwater Photo Transect* (UPT), pengambilan sampel ikan karang dilakukan dengan metode *Underwater Visual Census* (UVC) dan *Line Intercept Transect* (LIT). Hasil penelitian menunjukkan bahwa rata-rata persentase tutupan karang hidup di Perairan Bangsring *Underwater* berada pada kategori sedang (49,57%), Kelimpahan ikan karang hias di Perairan Bangsring *Underwater* berada pada kategori tinggi antara (2.148 -7.776 ind/m²) hasil korelasi antara tutupan karang hidup dengan ikan hias karang di Perairan Bangsring *Underwater* menunjukkan hubungan yang tinggi (0,976). Secara umum kondisi kualitas air di Bangsring *Underwater* berada pada kisaran yang dapat ditoleransi oleh ikan karang hias, dengan nilai salinitas 34‰, suhu berkisar 29 - 31°C, kecerahan 3 m dan pH 6 ppm.

Kata Kunci : *Ikan Hias; Tutupan Karang; Bangsring Underwater, Banyuwangi*



ABSTRACT

This research was entitled "The Relationship between the Percentage of Coral Cover and the Abundance of Coral Ornamental Fish (Ornamental Fish) in Bangsring Underwater, Banyuwangi". The aim of this research was to determine the coral cover coral ornamental fish and abundance relationship between the percentage of live coral cover and abundance of coral ornamental fish in Bangsring Underater. The research method used was a survey method. Underwater Photo Transect (UPT) used coral cover presentation sampling, coral fish samples were carried out using the Underwater Visual Census (UVC) and Line Intercept Transect (LIT) methods. The results show of research that the average percentage of live coral cover in Bangsring Underwater was in the medium category (49.57%), ornamental coral fish abundance in Bangsring Underwater Waters was in the high category (2,148 -7,776 ind/m²) the correlation between coral cover with coral ornamental fish in Bangsring Underwater waters was high show the correlation (0.976). In general, the water quality conditions in Bangsring Underwater were in the range that can be tolerated by ornamental coral fish, with a salinity value of 34‰, temperature ranging from 29 - 31°C, brightness of 3 m and pH of 6 ppm.

Keywords: *Ornamental fish; Coral Cover; Underwater Bangsring; Banyuwangi.*

