

Distribusi Vertikal Gerombolan Ikan pada Perairan Pantai Sekitar Mangrove di Desa Baho, Kabupaten Minahasa Utara, Sulawesi Utara

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Abstrak

Untuk memperjelas pemahaman hubungan antara tingkah laku ikan dengan faktor lingkungan maka dibuat penelitian akustik di perairan pantai sekitar hutan mangrove di desa Baho, Kabupaten Minahasa Utara. Tiga transek dilakukan dalam tiga periode waktu yang berbeda untuk menyatakan variasi spasial temporal dari distribusi gerombolan ikan. Pada saat yang sama diamati juga faktor lingkungan dan dilakukan operasi penangkapan ikan dengan Gill Net. Data kedalaman masing-masing gerombolan ikan yang dideteksi dengan fish finder dianalisa frekwensi penyebarannya pada masing-masing tingkat kedalaman perairan. Data dan hasil analisa menunjukkan bahwa distribusi vertikal gerombolan ikan bervariasi secara temporal yang terhubung dengan, suhu air permukaan dan pasang surut.

Kata kunci: Distribusi vertikal, gerombolan ikan, Mangrove, kabupaten Minahasa Utara

Abstract

In order to have better understanding of the relation between fish behaviour and environmental factors, acoustics surveys in coastal zone around mangrove forest in Baho village-Minahasa Utara regency were carried out. Three transects were done with different time period in order to assess spatial and temporal variability distribution of fish schools. In the same time, environmental factors and fishing using Gill Net were also done. Data of depth school from each fish school detected by fish finder was computed and analysed for frequency distributions on each depth. The data revealed that vertical distribution of fish schools is different among observation periods. Which is related to surface water temperature and tides.

Key words : Vertical distribution, fish schools, Mangrove, Minahasa Utara regency