

## ABSTRAK

Penelitian ini berjudul “Hubungan Kelimpahan Ikan Corralivor dengan Persentase Tutupan Karang di Perairan Tapanuli Tengah Provinsi Sumatera Utara”. Penelitian ini bertujuan untuk mengetahui kelimpahan ikan corralivor, persentase tutupan karang, dan hubungan antara kelimpahan ikan corralivor dengan persentase tutupan karang di Perairan Tapanuli Tengah. Metode penelitian ini menggunakan metode survei. Pengambilan data ikan corralivor menggunakan metode *Underwater Visual Census* (UVC), dan persentase tutupan karang menggunakan metode *Underwater photo transect* (UPT). Untuk mengetahui hubungan kelimpahan ikan corralivor dengan kondisi tutupan karang dianalisis dengan Korelasi Pearson. Pengolahan data dilakukan dengan menggunakan *software* SPSS. Hasil penelitian menunjukkan bahwa kelimpahan ikan corralivor berkisar antara 0,003– 0,063 ind/m<sup>2</sup>. Persentase tutupan karang tergolong pada kategori rusak (9,2%) sampai cukup (44,67%). Hubungan kelimpahan ikan corralivor dengan kondisi tutupan karang termasuk dalam kategori sangat rendah (0,197).

Kata Kunci : *Ikan corralivor; Kelimpahan; Tutupan Karang; Perairan Tapanuli Tengah.*



## ABSTRACT

The study entitled "The correlation of corralivor Fish Abundance with Coral Cover Percent in The Central Tapanuli Waters Northern Sumatra Province." The study aims to learn the abundance of corralivor fish, coral cover percent, and the correlation between the abundance of corralivor fish and the coral cover percent in Central Tapanuli Waters. Survey method was used in this research. Corralivor fish sampling was used underwater visual methods (UVC), and coral cover percent was used underwater photo transect (UPT) methods. Corralation of corralivor fish abundance with a coral cover was analised by used Pearson Correlation. The data prosessing to be done by SPSS software. The result show that the abundance of corralivor fish range from 0.003-0.063 ind/m<sup>2</sup>. Coral cover percent into a damaged (9.2%) to sufficient (44.67%) category. The correlation of corralivor fish's abundance and coral cover include in the very low category (0.197).

Keywords: *Corralivor fish; Abundance; Coral Cover; Central Tapanuli Waters.*

