Kelimpahan dan Keanekaragaman Mikroalga Epifit pada Halimeda di Teluk Hurun, Lampung = Abundance and Diversity of Epiphytic Microalgae in Halimeda in Hurun Bay, Lampung

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Abstrak

Penelitian mengenai kelimpahan dan keanekaragaman mikroalga epifit pada Halimeda di Teluk Hurun, Lampung telah dilakukan pada bulan September 2022. Tujuan dari penelitian adalah untuk mengidentifikasi keanekaragaman dan mengetahui kelimpahan jenis mikroalga epifit pada Halimeda di Teluk Hurun, Lampung. Mikroalga epifit diambil dari 10 titik sampling, penghitungan jumlah sel dan identifikasi mikroalga epifit dilakukan dengan metode subsampel di bawah mikroskop. Sepuluh (10) genus mikroalga epifit berasal dari dua kelas, yaitu Bacillariophyceae dan Cyanophyceae. Sepuluh genus tersebut meliputi Synedra, Nitzschia, Cocconeis, Licmophora, Amphipleura, Amphora, Diploneis, Aulacoseira, Cymbella, dan Trichodesmium. Hasil penelitian menunjukan kelimpahan total mikroalga epifit pada Halimeda berkisar antara 12000-39164 sel/mL.

.....Research on the abundance and diversity of epiphytic microalgae on Halimeda in Hurun Bay, Lampung has been carried out in September 2022. The purpose of this study was to identify and determine the diversity and abundance of epiphytic microalgae in Halimeda at Hurun Bay, Lampung. Epiphytic microalgae were sampled from 10 sampling points. Cell counting was carried out using the subsample method. Identification of epiphytic microalgae was based on morphological character using a light microscope. The result of study showed that epiphytic microalgae found at Hurun Bay belonged to two classes, namely Bacillariophyceae and Cyanophyceae. Genera were identified, which were Synedra, Nitzschia, Cocconeis, Licmophora, Amphipleura, Amphora, Diploneis, Aulacoseira, Cymbella, and Trichodesmium. The total abundance of epiphytic microalgae in Halimeda ranged from 12000-39164 cells/mL.