

Struktur komunitas bacillariophyta (Diatom) di area pertambakan Marunda Cilincing, Jakarta Utara = The community structure of bacillariophyta (Diatomae) in brackish water ponds of Marunda Cilincing, North Jakarta

Tectona Grandis Sulaiman, author

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Abstrak

Penelitian mengenai struktur komunitas Diatom di area pertambakan Marunda Cilincing, Jakarta Utara telah dilakukan pada bulan Maret hingga Mei tahun 2012. Penelitian bertujuan untuk mengetahui struktur komunitas Diatom pada 3 stasiun penelitian dan hubungan dengan parameter lingkungan di setiap stasiun. Sampel diambil secara horizontal di setiap stasiun di area pertambakan Marunda Cilincing, Jakarta Utara. Hasil identifikasi sampel diperoleh 27 marga Diatom di perairan area pertambakan Marunda. Kepadatan Diatom di area pertambakan Marunda berkisar antara 1847,11?4729,643 sel/m³. Area pertambakan Marunda didominasi oleh Thalassiosira dan Thalassionema. Berdasarkan nilai Indeks kemerataan, marga Diatom tidak tersebar merata di Area pertambakan Marunda. Nilai indeks keanekaragaman menunjukkan perairan di area pertambakan Marunda memiliki tingkat pencemaran berat.

Research on The Community Structure of Bacillariophyta (Diatomae) in brackish water ponds of Marunda Cilincing, North Jakarta was conducted on March and May 2012. The aims of this study was to determine the community structure of Diatomae from 3 stations and the relationship of environmental parameters at each station. Samples were taken horizontally at 3 stations of brackish water ponds of Marunda.

The identification results of samples obtained 27 genera of Diatomae in the waters. The density of Diatomae in brackish water ponds of Marunda was between 1847,11?4729,643 cell/m³. The waters in brackish water ponds of Marunda was dominated by Thalassiosira dan Thalassionema. Based on index of distribution point, genera of Diatomae in brackish water ponds of Marunda is maldistribution. Index of diversity point showed brackish water ponds of Marunda was heavily polluted.