

ABSTRAK

Selmiyani, 2024. Keanekaragaman Jenis Makroalga di Perairan Desa Nggele Kecamatan Taliabu Barat Laut. Di bawah Bimbingan Dr. Ilham Majid, S.Pd., M.Si dan Prof. Dr. Sundari, S.Pd.,M.Pd.

Makroalga merupakan tumbuhan berthallus yang hidup di air tawar maupun di air laut. Penelitian ini bertujuan untuk, 1) mengetahui apa saja jenis Makroalga yang terdapat di Perairan Desa Nggele Kecamatan Taliabu Barat Laut Kabupaten Pulau Taliabu, 2) mengetahui tingkat keanekaragaman Makroalga yang terdapat di Perairan Desa Nggele Kecamatan Taliabu Barat Laut Kabupaten Pulau Taliabu, 3) Mengetahui kelayakan video pembelajaran pada mata kuliah biologi maritim dari hasil penelitian tentang Keanekaragaman Jenis Makroalga di Perairan Desa Nggele Kecamatan Taliabu Barat Laut Pulau Taliabu. Penelitian ini dilakukan dengan menggunakan Metode deskriptif dengan pengambilan sampel secara line transek kuadran. Lokasi penelitian dilakukan di Perairan Desa Nggele Kecamatan Taliabu Barat Laut Kabupaten Pulau Taliabu. Data yang diperoleh dari penelitian ini akan dianalisis secara kualitatif dan kuantitatif. Analisis data kualitatif yaitu dengan mencantumkan nama ilmiah dan disajikan dalam bentuk tabel dan gambar, sedangkan analisis secara kuantitatif yaitu dengan menganalisis indeks keanekaragaman dan uji kelayakan video pembelajaran. Hasil penelitian yang telah dilakukan di Perairan Desa Nggele Kecamatan Taliabu Barat Laut Kabupaten Pulau Taliabu diperoleh 10 jenis makroalga yang terdiri dari 5 jenis alga hijau (*Clorophyceae*), 3 jenis alga merah (*Rhodophyceae*), dan 2 jenis alga cokelat (*Phaeophyceae*). Pada area penelitian terdapat 407 individu makroalga. nilai indeks keanekaragam jenis makroalga adalah 2.115. Jika disesuaikan dengan kriteria Shannon-Winner, maka indeks keanekaragam yang terdapat di perairan Desa Nggele Kecamatan Taliabu Barat Laut Kabupaten Pulau Taliabu tergolong dalam kategori sedang berkisar antara $1 < H' < 3$. Nilai indeks keanekaragam jenis makroalga adalah 2.115. Hasil uji Kelayakan video pembelajaran keanekaragamann jenis makroalga diperoleh 89.3 % yaitu masuk dalam kategori sangat layak digunaka dengan perbaikan ringan.

Kata kunci: Keanekaragaman, Makroalga, Desa Nggele

ABSTRACT

Selmiyani, 2024. Diversity Of Macroalgae Types in The Waters of Nggele Village, North West Taliabu District. Under The Guidance of Dr. Ilham Majid, S.Pd., M.Si dan Prof. Dr. Sundari, S.Pd.,M.Pd.

Macroalgae are thallus plants that live in fresh water and sea water. This research aims to, 1) find out what types of macroalgae are found in the waters of Nggele Village North West Taliabu District Taliabu Island Regency, 2) find out the level of macroalgae diversity found in the waters of Nggele Village North West Taliabu District Taliabu Island Regency, 3) Find out feasibility learning video in the maritime biology course from the results of research on the diversity of macroalgae types in the waters of Nggele Village, Taliabu District Northwest of Taliabu Island. This research was conducted using a descriptive method with sampling using quadrant line transects. The research location was carried out in the waters of Nggele Village North West Taliabu District Taliabu Island Regency. The data obtained from this research will be analyzed qualitatively and quantitatively. Qualitative data analysis is by including scientific names and presented in the form of tables and figures, while quantitative analysis is by analyzing the diversity index and feasibility testing of learning videos. The results of research carried out in the waters of Nggele Village North West Taliabu District Taliabu Island Regency, obtained 10 types of macroalgae consisting of 5 types of green algae (*Chlorophyceae*), 3 types of red algae (*Rhodophyceae*), and 2 types of brown algae (*Phaeophyceae*). In the research area there were 407 individual macroalgae. The macroalgae diversity index value is 2.115. if adjusted to the Shannon-Winner criteria, the diversity index found in the waters of Nggele Village North West Taliabu District Taliabu Island Regency is classified in the medium $1 < H' < 3$. The feasibility test results for the learning video on the diversity of macroalgae types were obtained at 89.3%, which is in category of very suitable for use with minor improvements..

Keywords: Diversity, Macroalgae, Nggele Village