

RINGKASAN

EXPEDITO SOARES (18380068). Struktur Komunitas Gastropoda di pesisir perairan Desa Tuamese, Kecamatan Biboki Anleu Kabupaten Timor Tengah Utara; Alfred G.O Kase, S.Pi., M.Si., Ph.D sebagai Pembimbing I dan Donny M. Bessie, S.Pi.,M.Si sebagai Pembimbing II. Program Studi Manajemen Sumberdaya Perairan, Fakultas Perikanan dan Ilmu Kelautan, Universitas Kristen Artha Wacana-Kupang.

Gastropoda merupakan hewan moluska yang berjalan dengan bagian kaki perut. Nama gastropoda berasal dari bahasa Yunani yaitu (gaster = perut dan podas = kaki) artinya hewan yang memiliki kaki perut. Tujuan penelitian ini adalah untuk menganalisis struktur komunitas gastropoda yang meliputi kelimpahan, indeks keanekaragaman, indeks keseragaman, serta indeks dominansi di Perairan Pantai Desa Tuamese, Kecamatan Biboki Anleu Kabupaten Timor Tengah Utara.

Penelitian ini telah dilaksanakan pada bulan Januari 2023. Metode yang digunakan dalam penelitian ini adalah metode survei yaitu mengumpulkan data dan informasi melalui observasi dan pengukuran di lapangan. Lokasi penelitian dibagi ke dalam 2 stasiun. Pengamatan gastropoda dilakukan dengan menggunakan line transek sepanjang 100 meter ke arah laut dan diletakkan kuadran/petak dengan ukuran 1 x 1 meter dengan jarak antara kuadran/petak 10 meter dan jarak antara transek 200 meter per stasiun, Jarak antara stasiun 500 meter per stasiun.

Hasil penelitian gastropoda di Perairan Pesisir Pantai Tuamese ditemukan sebanyak 9 jenis gastropoda dari 9 famili dengan total 295. Struktur Komunitas Gastropoda pada di Perairan Pantai Tuamese Kabupaten Timor Tengah Utara memiliki nilai kelimpahan jenis dan relatif berbeda-beda yakni kelimpahan jenis tertinggi yaitu *Nassarius arcularia* 1,00 ind/m². Kelimpahan relatif tertinggi yaitu *Nassarius acularia* dengan nilai kelimpahan 20,34% tergolong keanekaragaman rendah, ($H \leq 1$). nilai indeks keseragaman pada sebesar 0,9, memiliki nilai antar spesies tertekan ($E > 0,6$) dan nilai dominansi sebesar 0,1 tergolong rendah ($0,00 \leq C \leq 0,30$).

Kata Kunci : Struktur komunitas, Gastropoda, Kelimpahan, keanekaragaman, Perairan Tuamese

SUMMARY

EXPEDITO SOARES (18380068). Gastropoda Community Structure in the coastal waters of Tuamese Vilage, Biboki Anleu District, North Central Timor Regency : Alfred G.O Kase, S.Pi., M.Si., Ph.D as Supervisor I and Donny M. Bessie, S.Pi M,Si as Supervisor II. Aquatic Resources Management Study program, faculty of fisheries and marine sciences, Artha Wacana Cristian University-Kupang.

Gastropods are mollusks that walk on their abdominal legs. The name gastropods comes from the greek (gaster=stomach and podas feet) meaning animals that have stomach legs. The aim of this research is to analyze the structure of the gastropod community which includes abundance, diversity index, uniformity index, and dominance index in the coastal waters of Tuamese Vilage, Biboki Anleu District, North Central Timor Regency.

This research was carried out in January 2023. The method used in this research is a survey method, namely collecting data and information through observation and measurements in the field. The research location was divided into 2 stations. Observation of gastropods was carried out using a line transect along a length of 100 meters towards the sea and placed in quadrants/plots measuring 1x1 meter with a distance between quadrant plots 10 meters and a distance between transects of 200 meters per station. Station 500 meters per station.

The results of research on gastropods in the coastal waters of Tuamese Beach found that there were 9 types of gastropods from 9 fields with a total of 295. The structure of the gastropods community in the waters of Tuamese Beach, North Central Timor Regency has different species and relative abundance values, namely *Nassarius arcularia* 1,00 ind/m². The highest relative abundance was *Nassarius arcularia* with an abundance value of 20,34%, classified as low diversity. ($H \leq 1$) the uniformity index value is 0,9 has a depressed value between species ($E > 0,6$) and a dominance index of 0,1 is considered low ($0,00 \leq C \leq 0,30$).

Keywords : community structure, gastropods, Abundance, diversity, Tuamese Aquatic