

# KANDUNGAN PROKSIMAT DAN MAKRO MINERAL PADA GASTROPODA DI KAWASAN MANGROVE DESA BAKAU KABUPATEN SAMBAS

## Abstrak

Desa Bakau, Kabupaten Sambas, Kalimantan Barat dan memiliki potensi hutan mangrove sebagai habitat berbagai jenis biota, salah satunya yaitu Gastropoda. Penelitian ini bertujuan untuk mengetahui kandungan proksimat dan makro mineral pada *Ellobium*, *Cassidula*, *Cerithidea*, *Pirenella*. Gastropoda dapat digunakan sebagai sumber protein hewani dengan nutrisi tinggi. Kadar air dan kadar abu ditentukan menggunakan metode gravimetri, makro mineral pada beberapa genus gastropoda ditentukan menggunakan *Atomic Absorption Spectrophotometer* (AAS). Kandungan protein yang didapatkan pada beberapa genus cukup tinggi, *Cassidula* memiliki kadar protein yang lebih tinggi dari keempat genus yang ditemukan yaitu 57,02%. Namun, lemak pada genus *Cassidula* juga rendah yaitu 1,73%. Kandungan makro mineral yang tertinggi yaitu kalsium terdapat pada genus *Pirenella* yaitu 91,4824 mg/kg.

Kata kunci: gastropoda, makro mineral, Desa Bakau.

# PROXIMATE AND MACRO MINERAL CONTENT OF GASTROPODA IN THE MANGROVE AREA OF BAKAU VILLAGE SAMBAS DISTRICT

## Abstrak

Bakau Village, Sambas Regency, West Kalimantan and has the potential of mangrove forests as a habitat for various types of biota, including gastropods. This study aims to determine the proximate and macro mineral content of *Ellobium*, *Cassidula*, *Cerithidea*, *Pirenella*. Gastropods can be used as a source of animal protein with high nutrition. Moisture content and ash content were determined using the gravimetric method, macro minerals in several gastropod genera were determined using an *Atomic Absorption Spectrophotometer (AAS)*. The protein content found in several genera was quite high, *Cassidula* had a higher protein content than the four genera found, namely 57,02%. However, the fat in the genus *Cassidula* is also low, namely 1,73%. The highest macro mineral content, namely calcium, is found in the *Pirenella* genus, namely 91,4824 mg/kg.

Keyword: Gastropods, proximate, macro minerals, mangrove, Sambas