ABSTRAK

LUSIANA SIBELA. (05161411017). Studi Asosiasi dan Relung Habitat Gastropoda Pada Ekosistem Mangrove Desa Gufasa Kecamatan Jailolo Kabupaten Halmahera Barat. Dibimbing oleh **SALIM ABUBAKAR** dan **Dr. RIYADI SUBUR.**

Penelitian ini dilakukan dengan tujuan mengetahui komposisi gastropoda, menentukan tipe asosiasi gastropoda, serta menentukan lebar dan tumpang tindih relung habitat gastropoda di Desa Gufasa Kecamatan Jailolo Kabupaten Halmahera Barat provinsi Maluku utara. Pengambilan data dilakukan menggunakan metode *Line transect*, lokasi penelitian terdiri dari tiga lintasan yang panjang dari tiap stasiun berbeda-beda. Identifikasi gastropoda di Desa Gufasa, ditemukan sebanyak 20 jenis yaitu *Chcoreus capucinius*, *Conus loroisii*, *Pterygia conus*, *Cerithium columnus*, *Cerithium kobelti*, *Nassarius olivaceus*, *Nassarius bimaculosus*, *Littoraria articulata*, *Littoraria scabra*, *Faunus ater*, *Telescopium-telescopium*, *Terebralia sulcata*, *Terebralia palustris*, *Nerita signata*, *Nerita articulata*, *Nerita planospira*, *Monodonta canalifera*, *Natica lineata*, *Natica vitellus*, dan *Pythia imperforata*. Pasangan jenis gastropoda yang diperoleh memiliki tipe asosiasi positif sebanyak 94 pasangan, asosiasi negatif sebanyak 68 pasangan dan tidak ada asosiasi 31 pasangan. Jenis gastropoda yang mempunyai relung habitat terlebar adalah jenis *Terebralia sulcata* dan relung habitat tersempit adalah jenis *Pythia imperforata.* Tumpah tindih relung mikrohabitat yang cukup besar dilakukan oleh *Natica lineata* terhadap *Telescopium-telescopium*. Sedangkan tumpah tindih relung sedikit atau kecil dengan nilai yang sama terdapat pada gastropoda jenis *Conus loroisii, Natica lineata, Natica vitellus, Cerithium columnus, Nerita signata, Nerita articulata, Cerithium kobelti, Nassarius olivaceus, Nassarius bimaculosus, Faunus ater, Littoraria scabra,* terhadap *Natica vitellus*.

Kata Kunci : Asosiasi, Relung Mikrohabitat, Gastropoda, Desa Gufasa

ABSTRACT

This research was conducted with the aim of knowing the composition of gastropod species, determine the type of gastropod association, and determine the width and overlap of gastropod habitat niches in Gufasa Village, Jailolo District West Halmahera Regency, North Maluku province. Data collection was carried out using the method, The research location consists of three stations with different lengths from each station. The results of the identification of gastropods in Gufasa Village, found as many as 20 types, namely, *Chcoreus capucinius*, *Conus loroisii*, *Pterygia conus*, *Cerithium columnus*, *Cerithium kobelti*, *Nassarius olivaceus*, *Nassarius bimaculosus*, *Littoraria articulata*, *Littoraria scabra*, *Faunus ater*, *Telescopium-telescopium*, *Terebralia sulcata*, *Terebralia palustris*, *Nerita signata*, *Nerita articulata*, *Nerita planospira*, *Monodonta canalifera*, *Natica lineata*, *Natica vitellus*, and *Pythia imperforata*. The pairs of gastropod species obtained have positive association types as many as 94 pairs, negative association as many as 68 pairs and no association 31 pairs. The type of gastropod that has the widest habitat niche is type *Terebralia sulcata* and the narrowest habitat niche is the type *Pythia imperforata.* The pairs of gastropod species obtained have positive association types as many as 94 pairs, negative association as many as 68 pairs and no association 31 pairs. The type of gastropod that has the widest habitat niche is type *Terebralia sulcata* and the narrowest habitat niche is the type *Pythia imperforata*. The considerable overlap of the microhabitat niches is carried out by *Natica lineata* to *Telescopium-telescopium*. While the overlapping of niches is small or small with the same value found in gastropods of the species *Conus loroisii, Natica lineata, Natica vitellus, Cerithium columnus, Nerita signata, Nerita articulata, Cerithium kobelti, Nassarius olivaceus, Nassarius bimaculosus, Faunus ater, Littoraria scabra*, terhadap *Natica vitellus*.

Keywords: Association, Microhabitat Niche, Gastropoda, Gufasa Village