ABSTRACT

ASTRID SRI WAHYUNI SUMAH. Biodiversity of Superfamily Papilionoidea Butterflies (Lepidoptera) at Bantimurung-Bulusaraung National Park, Maros Regency, South Sulawesi. Supervised by TRI ATMOWIDI and DJUNIJANTI PEGGIE.

Bantimurung-Bulusaraung National Park is one of national parks in Indonesia which has high diversity of butterflies. Increasing number of tourists and local butterfly collectors have caused changes of the butterfly habitat and may decrease butterfly population in the park. Aim of the research was to study the diversity of the papilionoid butterflies in Bantimurung-Bulusaraung National Park based on different habitats. The observations were done by scan sampling method in the morning and afternoon at three locations i.e., Pattunuang Nature Reserve, Leang-leang Nature Reserve, and Bantimurung National Park. Results showed that 144 species and 6,802 individual of butterflies were found at the areas within 7 weeks of observation. At Leang-leang Nature Reserve, Pattunuang Nature Reserve and Bantimurung National Park were found 113 species (2,024 individu), 101 species (1,828 individu) and 98 species (2,950 individu) of butterflies, respectively. The diversity of butterflies was higher in the national parks (H’ > 3). Pattunuang Nature Reserve has higher value (H’ = 4,06) than Bantimurung National Park (H’ = 3,97) and Leang-leang Nature Reserve (H’ = 3,87). Sorensen similarity index (Cₜ) showed that three research locations were different community structures because there were several different dominant species at each location. Statistically, wind speed gave more significant effect on the number of individuals butterfly than other climate parameters.

Keywords: Butterfly, Papilionoidea, Bantimurung-Bulusaraung National Park