

ABSTRACT

Achmad Jami Azizullah, 2025. *Study of Odonata Order Diversity in Gunung Tanjung Tasikmalaya District as a Biology Learning Resource. Thesis. Department of Biology Education, Faculty of Teacher Training and Education. Siliwangi University.*

Order Odonata, better known as dragonflies. Dragonflies, known as Papatong in Sundanese and Kinjeng in Javanese, are diurnal insects of the order Odonata (class Insecta) characterized by elongated bodies, colorful transparent wings, and large compound eyes. These insects play an important role in the ecosystem as bioindicators of water quality and pest control in rice fields. Odonata are found in Malatisuka Village, Gunung Tanjung Subdistrict, Tasikmalaya, making it interesting to study. The method used in this research is descriptive quantitative with VES (Visual Ecounter Survey) technique for 7 days with a period of 4 weeks at 08.30-11.30 and 13.30-17.00 WIB with the center point of the station in Cipinaha waterfall area. Observation data calculated include Relative Abundance (KR), Dominance Index (D) and Shannon-Wiener Diversity Index (H'), as well as measurements of environmental parameters including altitude, temperature, light intensity, and wind speed. The results showed that there were 1357 individual dragonflies from 21 species that were successfully encountered. Libellulidae is the most common family of dragonflies with 10 species. The overall diversity index value obtained in this study was 2.77 which means moderate diversity, dominance index with a value of 0.08 which means low dominance, and the largest relative abundance was found in *Orthetrum sabina* species at 15.92% which means this species is the most common species found. Although Odonata diversity in Malatisuka Village is moderate, the environmental conditions of this village still support their survival, and show the potential of the ecosystem to maintain ecological balance. The implications of the results of this study are used as a learning resource in the form of a booklet.

Keywords: Odonata, Dragonfly, Diversity, Learning Resources.