

ABSTRACT

Adinda Sukma Putri, 2022. Abundance of Spiders in the Area of Land Conversion of Ciwidey Pine Forest Bandung District. Guided by Drs. Suhara, M.Pd., and Dr. Iwan Setia Kurniawan, M.Pd.

*Spiders have an important role in the ecosystem as controlling the insect and environmental bioindicators. This study aims to obtain information about the Abundance of Spider in the Area of Land Conversion of Ciwidey Pine Forest Bandung District. The research method used is descriptive method with belt transect design and sampling techniques using pitfall trap, hand sorting and beating tray. Sampling was carried out at six stations with five quadrants in each station. Based on the result of research, obtained 15 species, ten families and 14 genus. Total of all spider individuals found were 90 individuals. The highest abundance value of each station was obtained at station III of 15 individuals/m². While the lowest abundance value of each station was obtained at station I of 4 individuals/m². The highest abundance value of each a species was found in the species *Tetranagtha extensa*, *Erigone atra*, *Holasteron aciculare* which is equal to 2 individuals/m². While the lowest abundance value of each species in the other 12 species is 1 individuals/m². The result of the analysis of climatic factors in the from light intensity, air humidity and air temperature, which is obtained by the value of r square of 41,5%. Which means that it is quite influential on the abundance of spiders.*

Keywords: Land conversion, Abundance and Spiders