

ABSTRACT

Witri Febrianti Ramadanti. 2018. *Study of the Distribution and Abundance of Spiders in the Pine Forest of Jayagiri Lembang, West Bandung Regency, as a Biology Learning Source. Advisors : Drs. H. Ahmad Mulyadi, M.Pd. and Dra. Hj. Lilis Suhaerah, M.Kes.*

The purpose of this study is to obtain data on the distribution and abundance of spiders in the Forest Pinus Jayagiri Lembang, West Bandung regency. The study was conducted on 14 to 15 April 2018. This study used descriptive method. The research design used is Belt Transect along 100 meters which consists of six stations, the distance between stations is 25 meters. Each consists of six squares, the distance between squares is 20 meters. Sampling using Pit Fall Trap, Insec-net, Hand sorting, and Flotation methods. Acquired as many as 175 individuals spiders are included in 12 species from 2 Sub Order, 8 families and 11 genera. The species found are *Argiope versicolor*, *Gasteracantha parangdiadesmia*, *Leucauge decorata*, *Leucauge venusta*, *Ummidia sp*, *Pardosa hyperborea*, *Nephila maculata*, *Isopeda villosa*, *Heteropoda jugulans*, *Leiobunum vitatum*, *Erigone edentata* and *Icius separatus*. The supporting data measured were climatic factors including air temperature, humidity and light intensity. The results showed that the Distribution Pattern in Putan Lembang Jayagiri Forest was included into uniform criteria with an average distribution value of 67%. The highest species abundance value in *Leucauge venusta* species is 23 individuals / m² while the lowest abundance is in species of *Nephila maculata*, *Heteropoda jugulans*, *Erigone edentata* and *Icius separatus* with abundance of 1 individual / m².

Keywords : *Distribution, Abundance, Spider*