

## ABSTRACT

**Siti Masitoh. 2017. Distribution and Abundance of Coleoptera in Coffee Plantation Jayagiri Lembang Regency West Bandung. Advisors: Drs. Suhara, M.Pd and Ida Yuyu Nurul Hizqiyah S.Pd, M.Si**

Coleoptera is the largest order of other insects. The order of Coleoptera also has an important role in the ecosystem. Besides acting as a pest, Coleoptera also exists which acts as a natural predator of pests. But still rarely conducted research on Coleoptera, especially in coffee garden Jayagiri Lembang West Bandung regency, so the lack of information about Coleoptera in the coffee garden. Therefore it is necessary to do research on the distribution and abundance of Coleoptera in Coffee Garden Jayagiri Lembang West Bandung regency. The purpose of this research is to know the distribution and abundance of Coleoptera abundance in Coffee Garden Jayagiri Lembang Regency West Bandung. The method of this research is descriptive and quantitative. The research design used is the method of belt transect on 100 meter wide land divided into 5 stations horizontally. In each station a 100m strap is stretched vertically against the transect belt. At every 20 meters are marked to mark each quadrant. The distance between each station is 25 meters. Sampling using beating tray method, pit fall trap, hand sorting, insect net, and flotation. Supporting factors measured are climatic factors (temperature, humidity, and light intensity). The order of Coleoptera found was 13 families, 27 genera, and 28 species. Of the 28 species of Coleoptera, 27 species of Coleoptera have a clustered distribution pattern, and only 1 type of Coleoptera whose pattern of distribution is uniform. The highest value of Coleoptera species abundance is *Pachyrhinus elegans* with an abundance value of 10 ind / m<sup>2</sup>. The highest abundance of nila is at station 5 with an abundance value of 13 ind / m<sup>2</sup>.

**Keywords: Distribution, abundance, Coleoptera**