

ABSTRACT

Mirna Rosmawati. 2018. Identification of Insect Pests in Coffee Garden Jayagiri Lembang, West Bandung Regency. Advisors by Drs. Suhara, M.Pd. and Ida Yuyu Nurul Hizqiyah S.Pd., M.Si.

*Insect pests are a group of living things that can damage cultivation plants one of which can damage the coffee plant. In Jayagiri coffee garden there is no research on insect pests. Therefore, this study aims to determine the type and number of pest insects found in Jayagiri Lembang coffee garden. Implemented on 14-15 April 2018. The research method used is descriptive method with research design belt transect along 100 meters consisting of five stations, the distance between stations is 25 meters. Each consists of six squares, the distance between squares is 20 meters. Sampling technique using hand sorting, beating tray, and insect net method. The main data taken is data type and number of insects that potentially as pests in coffee garden Jayagiri Lembang. The measured supporting data are environmental factors (air temperature, humidity, light intensity). The sample identification was done at Biology Laboratory, FKIP Pasundan University Bandung. The results obtained were 246 individuals belonging to 17 species, 4 orders, 11 families, and 16 genera. Of the 17 species of insect species, there are 2 species that become the main insect pests in coffee plants namely *Hypothenemus hampei* and *Pseudococcus citri*. While 15 other species including secondary pests or pests are less influential in coffee plants. These three environmental factors are measured, affecting the presence of insect species. The average temperature is 22.2 °C, the average humidity is 74.7%, the light intensity is in the range 3130-6990 lux. In addition, the presence of natural enemies also affect the presence of insect species.*

Keywords: Identification, insect pests, coffee garden, Jayagiri.