

ABSTRACT

Kania Aulia Gantini. 2018. Distribution and Abundance of Coleoptera in Jayagiri Lembang Forest, West Bandung District. Advised by Drs. Yusuf Ibrahim, M.Pd., M.P and Dra. Hj. Lilis Suhaerah, M.Kes.

This study aims to obtain data on the distribution and abundance of Coleoptera in Jayagiri Lembang Forest, West Bandung District. The study was conducted on 14 to 15 April 2018. This study used descriptive method, design used is a 100 m Belt Transect located on two closed and open forest areas, each consisting of three stations, the distance between stations is 33.3 m. Each consists of six squares is 1 x 1 m. The sampling technique samples method are Pit Fall Trap, Beating Tray, Insect net, Hand sorting, and Flotation method. Obtained as many as 83 individuals Coleoptera included in 36 species from 2 Sub Order, 21 families and 34 genus. Species were found are *Amara insignis*, *Staphylinus* sp, *Typophorini* sp, *Paria* sp, *Oeme rigida*, *Oberea linearis*, *Collops tricolor*, *Aulacophora lewisii*, *Eroschema poweri*, and *Lyctus planicollis*. The supporting data measured were climatic factors including air temperature, humidity and light intensity. Supplementary data were processed by Multiple Linear Regression on the IBM SPSS. The average pattern of Coleoptera distribution in the Jayagiri Lembang forest of West Bandung District is the pattern of random distribution. The highest value of species abundance in *Staphylinus ater* species is 8 Ind/m², while lowest value of species abundance is 1 Ind/m².

Keywords: Distribution, Abundance, Coleoptera