

ABSTRACT

Niya Apriyani. Diversity of Coleoptera in the Kiara Payung Park area of Sumedang Regency. Advisors: H.Dadi Setia Adi,M.Sc.,Ph.D. as mentor I, and Dr.rer.nat.H.Ama Rustama,M.Sc. as mentor II.

Research on Coleoptera Diversity in Kiara Payung, Sumedang Regency, aims to measure the Coleoptera diversity index in the area of Kiara Payung in Sumedang Regency. Data was collected in July 2019. The research method used was descriptive method with Belt Transect Quadrante design. Sample sampling using the Pit Fall Trap method, Beating Tray, Hand shorting, Insect-net, and floatation methods. And supporting data in the form of environmental factors such as: air temperature, soil temperature, air humidity, soil moisture, soil pH, and light intensity. Results of identification and analysis of data 1 Ordo 10 families 18 genera and 20 species. That species: is Alpthobus laevigatus, Barynotus moerens, Cheilomenes lunata, Chilocorus circumdatus, Coccinela nevemnotata, Cryptolaemus Montrouzieri, Dictyopterus hamatus, Epilachna indica, Epilachna vigintioctopunctata, Exocentrus adspersus, Ileis koebelei, Lilioceris cheni, Oosternum costatum, Orsodacne cerasi, Orsodacne lineola, Phyllotreta chotanica, Polydrusus cervinus, Sulcacis affinis, Trox scaber, Trypocopris vernalis. However, when viewed from station I to VI the highest diversity index was found at station I with an average of 2.38. With environmental factors the range of air temperature is 19.75°C-27.50°C, the soil temperature is 26.00°C-19.50 °C. The air humidity values range from 28.00%-91.00% soil moisture ranges from 9.17%-13.67 % pH ranged from 6.34 to 6.95 and the light intensity was in the range of 2033.30-22839.00 lux.

Keyword: Coleoptera, Diversity Index, Kehati Park