Insects pests are a group of animals that can damage the cultivation of plants. Insects pest can damage the leaves of Tobacco plants. There are no studies on pest insects in Kiara Payung. This study aims to determine the type and number of pest insects found in Kiara Payung Tobacco leaves. The research conducted on July 8 until July 9, 2019. The method used in this research was a descriptive method with a random sampling research design on an area of 50x50 meters. The area divided into five quadrants horizontally and each quadrant is marked with a 10x10 meter wide rope. The sampling technique are using hand sorting method, insect net, and pitfall trap. The main data is type and number of insects that have potential as pests on Tobacco leaves. Supporting data are environmental factors (air temperature, soil temperature humidity, light intensity and pH acidity). Sample identification was carried out at the Biology Laboratory, FKIP Pasundan University, Bandung. Total individuals found as many as 341 individuals. The research results show the number of species of pest insects found in Tobacco leaves as much as 19 species, 6 orders, 15 families and 19 genera. There are 4 species found as the main pest insects on tobacco leaves, namely Bemisia tabaci, Hyposidra talaca, Mantis religiosa, and Valanga nigricornis. The rest of the species are secondary pests because the role of these insects to damage the leaves of tobacco plants has no major effect.

**Key words**: Identification, Pests Insects, Tobacco Leaves, Kiara Payung