

COMMUNITY OF FRUIT BAT (FAMILY PTEROPODIDAE) IN GADJAH MADA UNIVERSITY

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One of the fruit bat (Family Pteropodidae) foraging habitats is an urban area. Gadjah Mada University built and developed a green space area with many types of plants. This research aims to know the community of fruit bat by counting the success trap of their samples and relation between each species of fruit bat with their plant attractor at Gadjah Mada University. This research begins from September 2018 until September 2019 with a purposive sampling method. Samples of fruit bat collected using the mist net trap at 8 points of the representative area while samples of plant attractor collected using point centered quarter method (PCQM). The result of this research is a community of fruit bat in the Gadjah Mada University consists of 2 population, there are *Cynopterus brachyotis* and *Cynopterus horsfieldii* with population ratio 2:1. The success trap between the population of *C. brachyotis* and *C. horsfieldii* is 0.75 and 0.5. The population size of *C. brachyotis* higher than *C. horsfieldii*. Out of 33 plant species, 7 of them are *Ficus*. *Ficus* spp. as plant attractor (food sources) and affected the success trap amount. There is no significant difference between the food of *C. brachyotis* and *C. horsfieldii*.



Keywords : *Cynopterus*, *Ficus*, Fruit bat (Familia Pteropodidae), Mist net trap, Success trap

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