

Map distribution of *Rhinolophus canuti* (Canut's Horseshoe Bat) in Gunung Sewu Karst Area, Yogyakarta

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ABSTRACT

Rhinolophus canuti is an insectivorous bat that endemic to Indonesia. They can be found on Java and Bali islands. Based on International Union for Conservation of Nature or IUCN, *Rhinolophus canuti* listed as vulnerable. Information shows that population in Bali may be the only remaining extant one. This research aimed to determine the distribution of *Rhinolophus canuti* in horizontal caves in Gunung Sewu karst area, Yogyakarta. Besides, to count *Rhinolophus canuti* that caught on the trap. This research use mist net method to trap the bats that are flying in and out from the cave. Mist net is set during twilight and dawn at the cave entrance, and spontaneously count the bats of *Rhinolophus canuti* that was trapped on mist net and then release them. Result shows that *Rhinolophus canuti* found in 6 of 26 horizontal caves sample. The caves dwelled by *Rhinolophus canuti* are Jlamprong, Toto, Gremeng, Ndilem, Trinting, and Groda. Highest number, there are 27 individuals of *Rhinolophus canuti* caught at Groda cave and at Gremeng cave only 1 individual that caught on the trap.

Key words: Cave, Distribution, Gunung Sewu Karst, *Rhinolophus canuti*, Yogyakarta.