

Climatic factors, habitat conditions and nesting behavior on White-Headed Munia Birds (Bondol haji / *Lonchura maja*)

by Ciptono, Tien Aminatun, Rio Christy Handziko

ABSTRACT

Scaly-breasted bird (Bondol haji / *Lonchura maja*), is one of three species of Bondol birds that live and breed in the FMIPA UNY land area. Two other types are Bondol peking (*Lonchura punctulata*) and also Bondol Java (*Lonchura leucogastroides*). Scaly-breasted birds are the birds most often present and observed the activity in the population when compared to other types. Bondol population is still fairly quite abundant in the wild, but the illegal trade makes this species as a commodity and fewer open grass land, would be a threat to the preservation of this bird. Among the three, Bondol haji is still little studied by ornithologists. Nesting behavior is not well known.

This study was included in the survey by observing the behavior of the organism. The research process in the form of field observations without giving treatment to the object of research. The process of observations conducted from June to August 2017. This study aims to determine the condition of vegetation and climatic environment around FMIPA UNY land area and nesting behavior of *Lonchura maja* birds, and also determine ideal conditions for nesting. All data collected by visual observation. These results indicate that the vegetation condition around FMIPA UNY land area relation to avian wildlife on campus, divided into 6 different locations. Each location has climatic conditions and different environmental carrying capacity resulting in species of birds that inhabit it any different. Scaly-breasted Bondol haji bird requires fairly dry location with an ideal temperature for the activity in the range of 27°C, humidity is above 50% and the intensity of light that tends to light. Nesting sites of Bondol haji at the tree stands with a height of the half-height top of the tree. The most ideal conditions for Bondol haji is the availability of feed such as grass seeds, the availability of dry grass for nest material and also stands at over 4 meters high as nesting sites.

Kata Kunci: *Bondol_haji, climatic, nesting, behavior*