ABSTRACT

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The objectives of this research were to study species, foraging behavior, seasonal status, abundance and activity characteristics of birds in the research area. The bird database from this this research was used for making learning materials to support eco-tourism in nature trails in the research area. The data was carried out by field survey in three nature trails, trail 1 (information center - herb garden), trail 2 (herb garden - Khao Chon Waterfall) and trail 3 (the surrounding area of project headquarter). The survey was conducted twice a month from August 2015 – July 2016. The data was analyzed to find out abundance and species similarity of birds. The result of this research found that 14 orders, 45 families, and 110 species of birds were found in three-trail-survey. Ninety-two bird species were found in trail 1. Fifty bird species were found in trail 2. Eighty-eight bird species were found in trail 3. According to their foraging behavior, it is found that there were 11 frugivorous birds, 8 granivorous birds, 7 nectarivorous birds, 66 insectivorous birds, 12 aquatic, benthic invertebrate birds, 4 predator and piscivorous birds and 2 carnivorous birds. According to their seasonal status, there were 80 resident birds, 17 resident and migratory birds, and 13 migratory birds. According to abundance of birds, 12 bird species were in level 5 of bird abundance. It was 10.91 % of all bird species. Bird activities in the research area were foraging and nesting. So the bird species database in this area should be reserved for being learning resource and promoting ecotourism in nature trails because the birds were indicators natural balance and plenty of foods in ecosystem.

Keywords: species diversity of birds, nature trail, natural historical park