

**BIRD POPULATION IN KTS RUBBER PLANTATION, COMPARTMEN 7 IN KTS
PLANTATION SANDAKAN.**

NAME: RUFİ'AT BIN RAMLY

SUPERVISOR: DR. JEPHTE SOMPUD

PROGRAMME: FOREST PLANTATION AND AGROFORESTRY

2017

ABSTRACT

Objective of this study is to identify of bird population and density at rubber forest plantation in KTS Plantation, Sandakan. A total of four transect lines was formed in Compartment 7 KTS Plantation rubber plantations. A total of 44 sampling points have been established; 4 x 11 line transect sampling points made in each transect lines with 500 m. Observations carried out at 6.00 am until 11.00 am for 21 days. The vegetation survey also has been made by using (10 m wide x 20 m long) x 5 = 0.1 hectare techniques. Species diversity of birds had been analyzed by using the Shannon Diversity Index (H') and Simpson Diversity Index (1-D). While bird density was determined by using DISTANCE 6.2. It was found that the study area has diversity of birds (1-D = 0.8954; $H' = 2.4763$). Density of birds was 2.7292 (SE= 0.72685; AIC= 575.30; %CV = 26.63). A total number of 26 species of birds and 16 types of bird families were observed in this study. The total number of individuals observed was 428 individuals. Further research needs to be done to determine the effectiveness of rubber plantations as bird habitat.