

**DENSITY AND DIVERSITY OF MAMMALS IN RUBBER FOREST PLANTATION OF
KTS PLANTATION, SEGALIUD LOKAN
FOREST RESERVE, SANDAKAN**

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ABSTRACT

Rubber is one of the national income in the natural resources industry, where Malaysia is one of the largest rubber producing countries. This leads to the opening of a lot of rubber plantation. The presence of mammal populations in the rubber forest plantation is an indication of the health level of the area. This study was conducted to determine the state of mammal populations in the rubber forest plantation KTS Plantation Sdn Bhd. This research is about the diversity and density of mammals in the rubber forest plantations aged 20 years and was conducted for 21 days. Observation methods used in this study was the transect line method, where 4 line transects with a length of 500m each one was made in selected areas in the compartment 7. The findings were analyzed using the Shannon-Weiner diversity index shows the value 2.237, Simpson's diversity index shows the value 0.918, and the King Cencus density index shows value of 35 individual/km². All mammal species found were from the category of small mammals. Species that dominate the study area is *Callosciurus prevostii* where 6 individuals have been found. KTS Plantation rubber forest plantations aged 20 years shows the diversity of mammal species and the ability to accommodate a population density of mammals.