

SHORT COMMUNICATION

A Preliminary Survey of Species Composition of Termites (Insecta: Isoptera) in Samunsam Wildlife Sanctuary, Sarawak

Norsyarizan Jamil, Wan Nurainie Wan Ismail*, Siti Shamimi Abidin, Mazdan Ali Amaran and Ratnawati Hazali

Department of Zoology, Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia

Published date: 31 July 2017

To cite this article: Norsyarizan Jamil, Wan Nurainie Wan Ismail, Siti Shamimi Abidin, Mazdan Ali Amaran and Ratnawati Hazali. (2017). A preliminary survey of species composition of termites (Insecta: Isoptera) in Samunsam Wildlife Sanctuary, Sarawak. *Tropical Life Sciences Research* 28(2):201–213. <https://doi.org/10.21315/tlsr2017.28.2.15>

To link to this article: <https://doi.org/10.21315/tlsr2017.28.2.15>

Abstrak: Kajian mengenai komposisi spesies anai-anai telah dijalankan di Pusat Perlindungan Hidupan Liar Samunsam, Sarawak pada 2015. Penilaian ini telah dijalankan bermula dari 7 sehingga 13 Februari 2015. Hasil kajian telah menemukan 19 spesies yang terdiri daripada 19 genera dan 8 subkeluarga di Pusat Hidupan Liar Samunsam. Subkeluarga Termitinae telah direkodkan mempunyai jumlah spesies yang tertinggi (6 spesies, bersamaan 31.58% daripada jumlah spesies), diikuti oleh Nasutermatinae (3 spesies, 15.79%), Macrotermatinae, Amitermatinae, Rhinotermatinae, Coptotermatinae (2 spesies, 10.53% masing-masing), dan Heterotermatinae, Termitogetoninae (1 spesies, 5.26% masing-masing). Kajian yang lengkap dan tempoh masa yang lebih panjang di kawasan ini akan pasti dapat menemukan lebih banyak komposisi spesies di pusat perlindungan hidupan liar ini.

Kata kunci: Pusat Perlindungan Hidupan Liar Samunsam, anai-anai, komposisi, Termitinae

Abstract: A survey on termite species composition was conducted in Samunsam Wildlife Sanctuary, Sarawak in February 2015. Overall 19 species of termite belonging to 13 genera and 8 subfamilies was found in the sanctuary. It was recorded the subfamily of Termitinae had the highest number of species (6 species, equal to 31.58% of total species), followed by Nasutermatinae (3 species, 15.79%), Macrotermatinae, Amitermatinae, Rhinotermatinae, Coptotermatinae, (2 species, 10.53% respectively), and Heterotermatinae, Termitogetoninae (1 species, 5.26% respectively). Since this rapid survey is the first termite assemblage representation in Samunsam Wildlife Sanctuary, the preliminary result may serve as the baseline data for termite composition in the area. Therefore, a whole coverage for the area within this sanctuary would definitely increase the number of termite species found in the sanctuary.

Keywords: Samunsam Wildlife Sanctuary, Termite, Composition, Termitinae

*Corresponding author: wawnurainie@unimas.my