Tetrigid pygmy grasshopper and their associations with altitude and habitats in Mt. Trus Madi, Sabah, Borneo (insecta: orthoptera)

Abstract

The present study recorded 15 species of tetrigid pygmy grasshoppers collected in Mt. Trus Madi from 30 Oct. to 6 Nov. 2001. According to altitude and habitat type, species compositions are listed as follows: (A) 1,500-1,700m above sea level, the lower part of craggy bluffs: Paraphyllum antennatum Hancock and Synalibas sp.; (B) 1,500m a.s.l., grassland of forest edge: Coptotettix rotundatus Hancock, Euparatettix sp., Pseudoparatettix sp., Bolivaritetttix sp. and Hyboella sp.; (C) 1,500m a.s.l., trunks of fallen trees on the forest floor: Potua coronata Bolivar, Metamazarredia borneensis Gtinther, Bolotettix sp. 1, sp. 2 and Amorphopus (?) sp.; (D) 1,200m a.s.l., mudstone open land nearby forest edge: Gen. sp.; (E) 800-1,000m a.s.l., trunks of fallen trees by the sides of small stream: Discotettix belzebth (Serville) and Falconius sp. In addition, ecological notes on another orthopteran species, Gymnogryllus borneensis Ichikawa (Gryllidae), are also provided.