

## **Preliminary Cluster Analysis for Several Representatives of Genus *Kerivoula* (Chiroptera: Vespertilionidae) in Borneo**

### **Abstract**

The aim of the study is to use cluster analysis on morphometric parameters within the genus *Kerivoula* to produce a dendrogram and to determine the suitability of this method to describe the relationship among species within this genus. A total of 15 adult male individuals from genus *Kerivoula* taken from sampling trips around Borneo and specimens kept at the zoological museum of Universiti Malaysia Sarawak were examined. A total of 27 characters using dental, skull and external body measurements were recorded. Clustering analysis illustrated the grouping and morphometric relationships between the species of this genus. It has clearly separated each species from each other despite the overlapping of measurements of some species within the genus. Cluster analysis provides an alternative approach to make a preliminary identification of a species.