

## **Morphometric variation among three local mangrove clam species of Corbiculidae**

### **ABSTRACT**

Three common species of Corbiculidae (*Polymesda erosa*, *P. bengalensis* and *P. expansa*) can be found inhabiting the mangrove areas in Southeast Asia. The morphometric variations of three species were examined based on 15 morphometric characters. A total of 16 populations from six localities were analyzed in the present study. Analysis of variance had revealed significant differences ( $P < 0.05$ ) for LCT/SL and VPM/SL for proportion ratio on morphometric variables among species. Cluster analysis for these populations formed two groups at 70% of similarity. Morphometric characteristics, such as LCT and VPM, of Corbiculidae are proposed to differentiate these three species.

**Keyword:** Corbiculidae; Morphometric analysis; Mangrove clam; Sarawak; Wetland