

**Floral and pollinator behaviour of flexistylous Bornean ginger, *Alpinia nieuwenhuizii* (Zingiberaceae)**

**Abstract**

Flexistylous is a unique floral mechanism involving extreme curving of the style. It was first described in Chinese ginger (*Amomum*, Zingiberaceae). This is a pioneer report on flexistylous gingers of Malesia, where most species of this family grow. We observed the floral behaviour and flower visitors in *Alpinia nieuwenhuizii* Val., a Bornean endemic. Although the floral behaviour and effective pollinators (carpenter bees, *Xylocopa*) were similar between the Bornean species and the previously reported flexistylous *Alpinia*, the pollinator behaviour between them strikingly differed with regard to the visit frequency of the pollinators showing a bimodal pattern during the day. This was a better match for the floral behaviour of the flexistylous *Alpinia*. Some gender differentiation observed between the two types of morphs is also discussed in the present study.