

Corrigenda

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The Significance of Pollen Morphology in the Taxonomy of the Genus *Durio* (Bombacaceae)

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replace page 269 with the following:

graveolens, *D. kutejensis*, *D. oxleyanus*, were reported as oblate spheroidal. Sharma (1970) showed *D. lowianus* and *D. pinangianus* had a similar pollen shape, but that pollen of *D. griffithii* and *D. singaporensis* were oblate and that of *D. carinatus* oblate spheroidal.

Generally, in the majority of species the thickness of the pollen wall varied from 2–4 μm . However, the pollen wall of *D. griffithii* and *D. excelsus* was thin (less than 2 μm) while that of *D. testudinarum* was thick (greater than 4 μm).

Size varied from 46 to 145 μm for the polar diameter (P) and 50 to 120 μm for the equatorial diameter (E) (Table 2). According to the classification of the pollen size by Erdtman (1952), *Durio* pollen can be divided into three groups, i.e. medium (25–50 μm), large (50–100 μm) and very large (100–200 μm). Most *Durio* species fell within the large group except for *D. griffithii*, which had medium to large pollen, and *D. affinis*, *D. oxleyanus*, *D. pinangianus*, *D. testudinarum* and *D. zibethinus*, which possessed large to very large pollen (Table 2). Similar results were obtained by Abang Mokhtar (1991), except that pollen of his sample of *D. griffithii* and *D. acutifolius* fell within the medium-sized group and *D. graveolens* in the very large group. This difference in size was probably due to whether herbarium or fresh specimens were used. Since there was variation in pollen size within a species and variation between species was not distinct, pollen size is therefore not a good character for distinguishing the species.

Conclusions

Only in *D. testudinarum* are pollen characters species-specific (Table 3) and the pollen of this species can clearly be distinguished by a combination of its large size, thick wall and verrucose exine. Although there are differences in pollen morphological characters between the species, intraspecific variation also occurs. A combination of pollen characters, such as the exine sculpture, size and shape, can, in some cases (Table 3), provide supplementary information, which should, however, be used together with other characters for the identification of *Durio* species.