

Fissidens lagunensis E.B.Bartram, *Farlowia* 1: 504 (1944)

Fissidens diversiretis E.B.Bartram, *Philipp. J. Sci.* 68: 21 (1939), *nom. illeg.* (later homonym). T: Mt Maquiling, Laguna Prov., Luzon, Philippines, mostly above the hot mud springs and entirely below the mossy forest, 6 Oct. 1935, *H.H.Bartlett 15697*; holo: FH.

Rhizautoicous. Plants flabelliform, to 3 mm tall, crumpled when dry. Stems to c. 0.5 mm long. Leaves 3–6-jugate, linear, 1.0–2.3 mm long, 0.10–0.25 mm wide; apex acute to acuminate; costa usually subpercurrent. Vaginant laminae not reaching mid-leaf, partly open, usually elimbate. Dorsal lamina tapered to the base; margin rounded-serrate; laminal cells hexagonal, 20–45 × 15–20 µm, smaller and equidimensional at the margin, 10–15 µm wide; to 60 µm long near the base of the vaginant lamina.

Calyptra mitriform, c. 0.4 mm long. Setae c. 4 mm long, twisted. Capsules ±cylindrical, c. 0.5 mm long and 0.3 mm wide; operculum c. 0.6 mm long.

Occurs in north-eastern Qld; on soil in rainforest. Also in Malesia, Japan and the Philippines.

Qld: South Johnstone R., Palmerston Natl Park, *I.G.Stone 18993* (MEL); Helenvale, *I.G.Stone 19240 p.p.* (MEL).

Iwatsuki & Suzuki (1982) placed this species into synonymy with *F. bogoriensis* M.Fleisch. However, we consider the two to be distinct. Thus, in *F. lagunensis* the leaves are narrower, longer and elimbate, and the areolation and costa are different from those of the type of *F. bogoriensis*.