

Vandenboschia davallioides (Gaudich.) Copel.

Family

Hymenophyllaceae

Hawaiian Name

kilau, palai hihi

Synonyms

Trichomanes davallioides Gaudich.; *Trichomanes radicans* sensu W. J. Rob., non Sw.; *Trichomanes sandvicense* Bosch

Habitat

terrestrial or epiphytic.

Description

Rhizomes (stems): creeping, climbing, 0.1-0.3 cm diam., with hairs.

Fronds (leaves): erect (may be arching or drooping), 12-45 cm long, not proliferous.

Stipes (petioles): 1/4-1/8 frond length, winged, not grooved, green, with hairs. Hairs multicellular (uniseriate), medium brown to black, sparse, usually only at the extreme base, rarely throughout.

Blades: bipinnate to tripinnate or bipinnatifid to tripinnatifid, lanceolate/ovate, margins toothed, membranous, glabrous .

Veins: prominent, free, not uniting to form a marginal or costal commissural vein, not uniting to form an excurrent vein to sinuses, forked two or more times.

Pinnae: triangular/deltate or lanceolate/ovate, proximal pinnae markedly reduced in size .

Pinnules: oblong or lanceolate/ovate.

Ultimate segments: lanceolate/ovate, obtuse.

Rachises (midribs): winged, not grooved, green, glabrous or with hairs. Hairs multicellular (uniseriate), medium brown to black, sparse throughout.

Costae: glabrous, rarely with hairs.

Sori: marginal, not protruding at right angles to blade .

Indusia: present, campanulate/tubular, flared at apex, with sporangia-bearing hairlike receptacles protruding from indusia.

Island Distribution

Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, and Hawai'i

Status

Endemic



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Occurrence

Common

Elevational Range

250-1800 m