

Doodia kunthiana Gaudich.

Family

Blechnaceae

Hawaiian Name

'okupukupu, 'okupukupu lau'i'i, pamoho

Synonyms

Doodia media sensu Hillebr., non R. Br.; *Doodia media* R. Br. var. *kunthiana* (Gaudich) C. Chr.

Habitat

terrestrial.

Description

Rhizomes (stems): decumbent, with scales. Scales somewhat clathrate, purplish-black to black, concolorous.

Fronds (leaves): erect (may be arching or drooping), 25-65(-75) cm long, forming rosettes, young leaves pink or red.

Stipes (petioles): 1/2 (equal the length of the blade) or 1/3 frond length, not winged, grooved, medium to dark brown (may be tinged red), with scales. Scales somewhat clathrate, dark brown (may be tinged red) to black, concolorous, sparse throughout or dense only at base and glabrous to sparse distally.

Vasculature at base of stipe (petiole): numerous round vascular bundles arranged into a semicircle or ring-shape.

Blades: pinnate, lanceolate/ovate or elliptic, margins dentate to serrate, apex pinnatifid, glabrous, occasionally with hairs, sparse/scattered throughout.

Veins: prominent, partially anastomosed, forming 1-3 layers of arched commissures, without included veinlets, not uniting to form an excurrent vein to sinuses, forked two or more times.

Pinnae: linear-triangular or lanceolate/ovate, basal pinnae cordate, proximal pinnae markedly reduced in size.

Rachises (midribs): not winged, grooved, light to dark brown (may be tinged red), with scales. Scales somewhat clathrate, dark brown (may be tinged red) to black, concolorous, sparse throughout.

Costae: costal groove not continuous with rachis groove, glabrous, occasionally with indument.

Sori: 1-2 mm long, linear/elongate, submedial to medial, (12-)20-30(-40) sori per segment, often in 2 or 3 rows on larger fronds.

Indusia: present, linear, opening toward midrib (inward), paraphyses occasionally present.

Island Distribution

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



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Status

Endemic

Occurrence

Common in seasonally mesic to semidry loamy forest floors and slopes

Elevational Range

90-1220 m