

# Heterodermia casarettiana

## SYNONYMS

Anaptychia casarettiana A.Massal., Polyblastidium casarettianum (A. Massal.) Kalb.

## FAMILY

Physciaceae

## AUTHORITY

Heterodermia casarettianum (A.Massal.)

## FLORA CATEGORY

Lichen – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Lichens - Foliose

## CURRENT CONSERVATION STATUS

2018 | At Risk – Naturally Uncommon | Qualifiers: DP, SO

## DISTRIBUTION

**Kermadec Islands:** Raoul Island **North Island:** Northland (Hokianga, Whangarei) Hunua Ranges to Taranaki (New Plymouth).

Known also from North, Central and South America, East and South Africa, the West Indies, Brazil, and Peru.

## HABITAT

On coastal trees – still very much under-collected.

## DETAILED DESCRIPTION

**Thallus** lobes slightly disjunct or adjacent, ±plane, not ascending, with short, lateral lobes. **Upper surface** even, smooth, sorediate. **Soralia** apical, labriform. Lower surface white to blackish violet suffused with yellow pigment, K–, often with a dense felt of black rhizines. **Apothecia** laminal, sessile to subpedicellate. **Thalline** exciple sorediate. **Ascospores** with sporoblastidia, 32–48 × 18– 25 µm.

**Chemistry:** Atranorin, zeorin, norstictic and salazinic acids and yellow pigment (K–).

## SIMILAR TAXA

Similar to *H. japonica* but is distinguished by the yellow pigment on the lower surface. This is deposited in the lower layers of the medulla, not in a superimposed layer of hyphae as in *H. obscurata*.

## SUBSTRATE

Corticolous

## ETYMOLOGY

**heterodermia:** From the Greek heteros (other, different) and derma (a skin or hide), in reference to the presence or absence of a lower cortex



Corticolous lichen on margins of alluvial forest remnant, Long Bush Gisborne. Photographer: Marley Ford, Date taken: 24/01/2022, Licence: CC BY-NC.



Corticolous lichen on margins of alluvial forest remnant, Long Bush Gisborne. Photographer: Marley Ford, Date taken: 24/01/2022, Licence: CC BY-NC.

### **ATTRIBUTION**

Fact sheet prepared by Marley Ford (25 February 2022). Brief description, Distribution, Habitat, Features, and Similar taxa sections copied from Galloway (2007).

### **REFERENCES AND FURTHER READING**

Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

### **MORE INFORMATION**

<https://www.nzpcn.org.nz/flora/species/heterodermia-casarettiana/>