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61. *Noronhia ovalifolia* H. Perrier in Mém. Inst. Sci. Madagascar, Sér. B, Biol. Vég. 2: 301. 1949 (Fig. 45A).

Typus: MADAGASCAR. **Prov. Toliara:** bassin de réception de la Mananara, affluent du Mandrare, pentes occidentales des montagnes entre l'Andohahela et l'Elakelaka, Mont Apiky au-dessus de Mahamavo, 800-900 m, I-II.1934, *Humbert 13822* (holo-: P [P00418097]!; iso-: K [K000233183] image seen, P [P00418095, P00418096]!, WAG [WAG0002495] image seen).

Description *Shrubs* to 3 m tall, trunk to 3 cm diameter; young twigs cylindrical, 0.8-1.6 mm diameter, glabrous; bark medium to light gray, smooth. *Leaves* opposite, persistent; bud scales persistent; blades dark green above, yellowish below, ovate, 3.5-9.5 × 2-4.5 cm, coriaceous, glabrous, domatia absent, base rounded, margin slightly revolute, apex acuminate, the acumen 1-9 mm long, midrib flat to slightly raised above, flat below, secondary veins conspicuous mostly below, 7-10 per side, 4-13 mm apart, looping 2-5.5 mm from the margin; petiole medium to light gray, 3-7 × 1-2 mm, entirely woody, glabrous. *Flowers* solitary; pedicel 3-12 mm long, glabrous; calyx glabrous on both sides, lobes deltate to obovate, 1.5-2 × 2.1-2.6 mm; corolla pink, sometimes tinged white outside, cupuliform, 6.5-10 mm long, glabrous on both sides, the tube 4.5-8.5 mm long, lobes widely ovate, apex obtuse; corona present, 2.5-3 mm long, slightly lobed; stamens 2.8-3 mm long, anthers obovate, 1.8-2.2 mm long; pistil 2.5-2.8 mm long, stigma capitate. *Fruiting* pedicel 12-16 × 1-1.5 mm; young fruits green, reddish black when mature, subglobose to ovoid, 19-19.5 × 15-17.5 mm, surface smooth, apex flat to apiculate; dry pericarp 0.6-0.9 mm thick; endocarp woody; seed 16 × 10.5 mm.

Distribution, ecology and phenology *Noronhia ovalifolia* occurs in low- to mid-elevation transitional forests on basement rocks and alluvial deposits in and around Andohahela PN in the south (Fig. 36). It produces flowers and fruits from October to March.

Conservation status The assessment included eight collections representing eight localities and resulted in an EOO of 93 km², an AOO of 20 km², and three subpopulations representing three locations, of which two occur within a protected area (Andohahela). The subpopulation outside of the protected area occurs in an area that is now heavily degraded and has been converted into agriculture fields and pastureland, and will therefore likely experience continuing decline, potentially leading to extirpation. Therefore, *N. ovalifolia* is assigned a preliminary status of "Endangered" [EN B1ab(i, ii, iii, iv, v)+2ab(i, ii, iii, iv, v)].

Notes *Noronhia ovalifolia* can be recognized by its short petioles, ovate leaf blades with light-colored venation, and solitary flowers with a pink to orangish corolla. It differs from *N. boivinii* and *N. mangorensis* by its ovate (vs. oblong to elliptic in *N. boivinii* and oblong to ovate in *N. mangorensis*), acuminate (vs. cuspidate to mucronate and cuspidate, respectively) leaf blades, solitary (vs. fasciculate) flowers, and subglobose (vs. ovoid) fruits.

Additional specimens examined **MADAGASCAR. Prov. Toliara:** Fort-Dauphin, Ambatoabo, Evasia, Andohahela PN, parcelle 1, 24°47'10"S 46°43'33"E, 681 m, 16.I.2007, *Andriamihajarivo et al.* 1097 (MO, P, TAN); Ankoba, near E edge of Andohahela PN Park, 24°46'46"S 46°43'11"E, 600 m, 22.I.2008, *Lowry et al.* 6955 (MO, P); *ibid. loc.*, 24°47'34"S 46°41'55"E, 200 m, 24.I.2008, *Lowry et al.* 6977 (MO, P); Fort-Dauphin, Ambatoabo, forêt d'Ankoba, 24°46'56"S 46°42'14"E, 228 m, 1.III.2008, *Randrianaivo et al.* 1548 (G, MO, P, TAN); *ibid. loc.*, 24°47'12"S 46°42'25"E, 300 m, 25.II.2009, *Randrianaivo et al.* 1760 (MO, P, TAN); Amboasary, Behara, [24°36'S 46°42'E], 11.X.1958, *Réserves Naturelles 10060* (P, TEF); Italy (baie de Ranofotsy), [25°09'00"S 46°45'30"E], 0-25 m, 10.I.1963, *Service Forestier 22371* (G, P, TEF).



Fig. 45. Photographs of *Noronhia* Stadtm. ex Thouars.

A. *Noronhia ovalifolia* H. Perrier [Lowry 6977]; **B.** *Noronhia pervilleana* (Knobl.) H. Perrier [Bolliger 223].

Photos : taken by respective collectors