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**TWO REMARKABLE LINDERA SPECIES (LAURACEAE)  
PROBABLY REPRESENTING AN UNDESCRIBED GENUS**

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ABSTRACT

Two species of *Lindera* (Lauraceae), one from Annam (*Lindera spicata*, spec. nov.) and one from Sulawesi, Indonesia (*Lindera racemiflora* spec. nov.) with an unusual kind of inflorescence are described. Their genetic identity is not absolutely sure, as mature flowers are lacking. Ultimately they may belong to an undescribed genus.

ABSTRAK

Dua jenis *Lindera* (Lauraceae), salah satu dari Annam (*Lindera spicata*, spec. nov.) dan yang lain dari Sulawesi, Indonesia (*Lindera racemiflora*, spec. nov.) mempunyai perbungaan yang tidak umum, telah dipertelakan. Identitas marganya tidak meyakinkan karena tidak adanya bunga yang masak. Diduga keduanya termasuk kedalam marga yang belum pernah dipertelakan.

The two species described below are from ultrabasic and granitic soils and show a remarkable likeness in their inflorescences, one being spicate the other racemoid. Unluckily they have been collected in a very young flower-bud stage and hence their generic identity is not-even absolutely sure. There is a possibility, that both pertain to an undescribed genus.

***Lindera spicata* Kosterm., spec. nov. — Fig. 1**

Arbor parva ramulis cylindricis strietis dense minutissime puberulis, foliis alternantibus triplinerviis chartaceis ellipticis conspicue acuminatis, basi cuneatis, supra opacis nerviis principalibus filiformis impressis, subtus griseis, obscure minute reticulatis, sat dense ferrugineo-puberulis, inflorescentiis axillaribus, spiciformis dense minutissime puberulis, floribus sessilibus pilosis, bracteolis basalibus. — TYPUS : *Poilane 32710* (L holo, P)

Tree 5 m tall, diam. 15 cm. Twigs smooth, hard, stiff, cylindrical. Leaves scattered, chartaceous to subcoriaceous, triplinerved, elliptic, 3 x 5 - 2.5 x 8 cm, conspicuously acuminate (acumen up to 1 cm), base cuneate; above dull, the three main nerves filiform, impressed, the surface densely microscopically reticulate-areolate; below pale, densely minutely reticulate, rusty-puberulous (denser on the nerves), hairs erect, slightly curly; the two basal lateral nerves slender, prominent, reaching the base of the acumen, connected by very thin camptodromous secondary veins; the lateral secondary veins erect-patent, near the margin arcuately ascendent. Petiole very slender ca. 1 cm. Spikes axillary, densely minutely puberulous (hairs erect, slightly curly), up to 3 cm long. Bud pilose, sessile, subtended by a minute, acute bracteole.

DISTRIBUTION : Annam, only known from the type locality.

The flower (or inflorescence) buds are too immature to be analyzed. I believe to have seen 2-celled anthers.

ANNAM, Prov. Kontum, Dak Gley, 1100 m alt., Jan., buds, shrub vegetation damaged by fire, granitic soil, *Poilane 32710* (L holo, P).

***Lindera racemiflora*** Kosterm., spec. nov. — Fig. 2

Arbor parya, ramulis cylindricis rigidis, minutissime sericeis, foliis alternantibus, penninervis, rigide chartaceis, sub lente sparse minutissime sericeis oblongis vel ellipticis, breve acuminatis, basi longe cuneatis, utrinqueopacis, supra nerviis principalibus filiformibus vix prominulis, subtus nervo mediano tenuibus prominulis, costis paucis erecto-patentibus arcuatis filiformibus inflorescentiis paniculatis axillaribus brevibus minutissime sericeis, ramulis gracilibus, paucis, innovationibus pedicellatis. — TYPUS : *van Balgooy 3959* (BO)

Treelet 8 m; twigs cylindrical, stiff, hard, apically microscopically sericeous. Leaves coriaceous, both surfaces rather dull, drying black, elliptic to oblong, 2 x 8 - 4 x 12 cm, acuminate, base long-cuneate; above glabrous, smooth, midrib very slender, prominulous; ribs obscure; below sparsely, microscopically sericeous (dense on the nerves), midrib slender, prominent, ribs few, 5—7 pairs, erect-patent, arcuate, near the margin arcuately ascendent, filiform, prominulous; other veins very obscure. Petiole slender, 10—15 mm. Inflorescences axillary, paniculate, up to 3 cm long, branches few, thin, the lower ones up to 2 cm. Flower (or inflorescence) buds with 2 mm long pedicels, microscopically densely sericeous.

DISTRIBUTION : Central Celebes, E. of Malili, on ultrabasic soil.

SULAWESI (Celebes), behind Inco Driving Center near nickel plant, disturbed forest, leaves glaucous underneath, flower buds yellow, alt. 500 m. (2° 15' — 3° S, 121° — 120° 45' E), July, *van Balgooy 3959* (BO).





Fig. 1. *Lindera spicata* Kosterm.



Fig. 2. *Lindera racemiflora* Kosterm



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