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A new species of *Hemiphyllodactylus* Bleeker, 1860 (Squamata: Gekkonidae) from Pulau Enggano, southwestern Sumatra, Indonesia

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Abstract

A new species of gekkonid lizard *Hemiphyllodactylus engganoensis* **sp. nov.** from Pulau Enggano, southwestern Sumatra, Indonesia is differentiated from all other congeners by having the unique combination of a maximum SVL of 37.3 mm; six chin scales; no enlarged postmentals; five circumnasal scales; three or four scales between the supranasals; 12 supralabials; 24 dorsal scales; 15 ventral scales; a lamellar hand formula of 4554 or 4454; a lamellar foot formula of 4555; four subdigital lamellae on the first finger; four or five subdigital lamellae on the first toe; a continuous, femoroprecloacal pore series of 42; five cloacal spurs in males; no enlarged subcaudal scales; no dark postorbital stripes or striping on body; small dark blotches on dorsum; a yellowish postsacral mark bearing anteriorly projecting arms; and a pigmented caecum and gonads. *Hemiphyllodactylus engganoensis* **sp. nov.** is part of the speciose *H. typus* group.

Key words: Gekkonidae, *Hemiphyllodactylus*, *Hemiphyllodactylus engganoensis* **sp. nov.**, Sumatra, new species

Introduction

The gekkonid genus *Hemiphyllodactylus* Bleeker, 1860 currently comprises 24 confirmed species (Grismer *et al.* 2013, 2014; Ngo *et al.* 2014). Most are geographically restricted to upland areas or islands and collectively extend from the Mascarene Islands in the western Indian Ocean, eastward through southern Asia and Indochina. From here the genus ranges southward through the Philippines and Sundaland, through the Indo-Australian Archipelago, and continues into much of Oceania at least as far eastward as Hawaii. Grismer *et al.* (2013) demonstrated that *Hemiphyllodactylus* was far more diverse than the most recent taxonomic revision based solely on morphology (see Zug 2010) indicated. Ten of the 22 species Grismer *et al.* (2013) identified were differentiated on the basis of genetic and or preliminary morphological evidence and their descriptions were deferred to subsequent, more in depth morphological analyses (e.g. Grismer *et al.* 2014; Ngo *et al.* 2014). One of these species is endemic to Pulau Enggano, a very remote, deep-water island residing 113 km off the southwestern coast of Sumatra, Indonesia (Fig. 1). This species was originally identified as *H. typus* (Zug 2010) but is actually the sister species to another undescribed species from Pulau Sibul, Johor, Peninsular Malaysia (Grismer *et al.* 2013; Fig. 2). Based on the examination of three specimens (MZB.Lace 4568, MVZ 239345–46), we support the conclusion of Grismer *et al.* (2013) in that this population is distinct from *H. typus* and has several morphological characteristics clearly separating it from all other known species of *Hemiphyllodactylus*. As such, we describe it here as new.

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