



The Indonesian species of *Macrophthalmus* Desmarest, 1823, with the description of a new species (Crustacea: Decapoda: Brachyura: Macrophthalmidae)

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Abstract

Fourteen species of *Macrophthalmus* Desmarest, 1823, are reported from Indonesia, of which two species, *Macrophthalmus* (*Macrophthalmus*) *abbreviatus* Manning & Holthuis, 1981, and *M.* (*Macrophthalmus*) *sulcatus malaccensis* Tweedie, 1937, are recorded for the first time from the region, and one new species *M.* (*Mareotis*) *fusculatus* n. sp. is described. The new species resembles *M.* (*Mareotis*) *definitus* Adams & White, 1849, in the relatively narrow male abdomen and moderately long, curved tip of the male G1. However, the differences are noticeable in the morphology of the carapace of the new species which is divergent posterolaterally, the presence of tubercles on the gastric, cardiac and intestinal regions, and the absence of a longitudinal row of granules or setae on the branchial region.

Key words: Crustacea, Decapoda, Brachyura, Macrophthalmidae, *Macrophthalmus*, new species, new records, Indonesia

Introduction

Species of *Macrophthalmus* Desmarest 1823, are common inhabitants of soft bottom intertidal habitats and mangroves in the Indo-West Pacific region. The genus currently consists of 52 species included in eight subgenera (Ng *et al.* 2008; Mendoza & Naruse 2009; Barnes 2010; Poupin & Bouchard 2010; Naderloo & Türkay 2010; Naderloo *et al.* 2011). Only 20 species of the genus *Macrophthalmus* are recorded from Indonesia (Tesch 1915; Barnes 1970, 1971, 2010; Poupin 1997) despite the widespread soft bottom coastal areas and mangrove forest in the region. A total of 14 species of *Macrophthalmus* are herein listed from Indonesia. Two species, *M.* (*Macrophthalmus*) *abbreviatus* Manning & Holthuis, 1981, and *M.* (*Macrophthalmus*) *sulcatus malaccensis* Tweedie, 1937, are recorded for the first time; 11 species, *M.* (*Chaenostoma*) *sinuspersici* Naderloo & Türkay, 2010, *M.* (*Macrophthalmus*) *brevis* (Herbst, 1804), *M.* (*Macrophthalmus*) *convexus* Stimpson, 1858, *M.* (*Macrophthalmus*) *milloti* Crosnier, 1965, *M.* (*Macrophthalmus*) *parvimanus* Guérin-Méneville, 1834, *M.* (*Mareotis*) *crinitus* Rathbun, 1913, *M.* (*Mareotis*) *pacificus* Dana, 1851, *M.* (*Paramareotis*) *quadratus* A. Milne-Edwards, 1873, *M.* (*Macrophthalmus*) *serenei* Takeda & Komai, 1991, *M.* (*Paramareotis*) *erato* De Man, 1888, and *M.* (*Venitus*) *latreillei* (Desmarest, 1877), have broader distribution in Indonesian waters than previously recorded, and one new species, *M.* (*Mareotis*) *fusculatus* n. sp., is described. Nine species previously reported from Indonesia but not included here are *M.* (*Macrophthalmus*) *transversus* (Latreille, 1817), *M.* (*Macrophthalmus*) *telescopicus* (Owen, 1839), *M.* (*Mareotis*) *tomentosus* Souleyet, 1814, *M.* (*Mareotis*) *definitus* Adams & White, 1849, *M.* (*Macrophthalmus*) *crassipes* H. Milne Edwards, 1852, *M.* (*Macrophthalmus*) *dentatus* Stimpson, 1858, *M.* (*Macrophthalmus*) *graeffei* A. Milne-Edwards, 1873, *M.* (*Mareotis*) *teschi* Kemp, 1919, and *M.* (*Paramareotis*) *holthuisi* Serène, 1973.