



Atydina*, a new genus for *Caridina atyoides* Nobili, 1900, from Indonesia (Crustacea: Decapoda: Atyidae)

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Abstract

Atydina, new genus, is established for *Caridina atyoides* Nobili, 1900, so far known only from two islands in Indonesia. It is characterized by the robust third and fourth pereopods, and an inflated cylindrical appendix masculina on the male second pleopod. The new genus is compared to the related genera *Atyopsis* Chace, 1983 and *Caridina* H Milne Edwards, 1837. The monotypic genus is here described and illustrated in detail.

Key words: Decapoda, Atyidae, *Atydina*, *Caridina*, freshwater shrimps, new genus, taxonomy, Indonesia

Introduction

Currently, there are 7 genera of *Atya*-like freshwater shrimps worldwide. The current understanding of the atyid genera related to *Atya* is resulted from revision work done by Hobbs & Hart (1982) and Chance (1983). The former redefined the genus *Atya*, and restricted it to the coasts of the Atlantic Ocean, while the latter revised the species from the Indo-Pacific region, and established two new genera, *Atyopsis* and *Australatya* to include those Indo-Pacific species previously assigned to *Atya*. When summarizing Atyidae reported from the Philippines and Indonesia, Chace (1997: 7) commented on *Caridina atyoides*, as “It seems unlikely that this can long remain in the genus *Caridina* merely because of the elongated carpi of the first and second pereopods. The general facies of the shrimp, the robust third pereopod of the male, and, especially the form of the appendix masculina on the second pleopod all suggest a closer relationship to *Atya* than to *Caridina*.” During a revision of the atyid shrimps of East and Southeast Asia, a large number of shrimps were examined, including material of *C. atyoides*. A detailed morphological comparison of *Caridina atyoides* to many other *Caridina* species and other atyid genera was made. This suggests that Chace was correct, and a new genus is here created for the species. Specimens examined are deposited in the Zoological Museum of Amsterdam, the Netherlands (ZMA). The abbreviation cl is used for carapace length measured in mm from the post-orbital margin to the posterior margin of carapace.

Systematic account

Family Atyidae De Haan, 1849

***Atydina* gen. nov.**

Type species: *Caridina atyoides* Nobili, 1900; by monotypy; gender feminine.