



## Two new species of *Indopinnixa* Manning & Morton, 1987 (Crustacea: Brachyura: Pinnotheridae) from Lombok, Indonesia

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### Abstract

Two new species of pinnotherid crabs of the genus *Indopinnixa* Manning & Morton, 1987, are described from the island of Lombok, Indonesia. *Indopinnixa kasijani* n. sp. and *I. moosai* n. sp. differ from the two known congeners, *I. sipunculana* Manning & Morton, 1987, and *I. mortoni* Davie, 1992, by their proportionately wider and smoother carapaces, and the morphology of the third maxillipeds, pereopods, abdomen and gonopods. The two new species differ from each other in the morphologies of their male first gonopods and female abdomens.

**Key words:** Decapoda, Crustacea, Brachyura, Pinnotheridae, *Indopinnixa*, taxonomy, new species, Indonesia

### Introduction

The pinnotherid genus *Indopinnixa* Manning & Morton, 1987, currently contains two species, *I. sipunculana* Manning & Morton, 1987, and *I. mortoni* Davie, 1992. Both species were found to be associated respectively with sipunculid and capitellid polychaetes living on soft muddy shores or sandy mud substrates between rocks in Hong Kong (Manning & Morton 1987; Davie 1992).

Specimens of *Indopinnixa* recently collected from Lombok, Indonesia were found to represent two species, here described as *I. kasijani* n. sp. and *I. moosai* n. sp. Material examined is deposited in the Museum Zoology Bogor (MZB), Indonesian Institute of Sciences, Cibinong, Indonesia and Zoological Reference Collection (ZRC) of the Raffles Museum of Biodiversity Research, National University of Singapore. The following abbreviations are used: P2-P5 = first to fourth ambulatory legs, respectively; G1 = male first gonopod; G2 = male second gonopod. Size is indicated by the carapace width and length, in millimetres.

### Taxonomic account

#### Family Pinnotheridae De Haan, 1833

#### *Indopinnixa* Manning & Morton, 1987

**Type species.** *Indopinnixa sipunculana* Manning & Morton, 1987, by monotypy.

**Remarks.** With regard to the general shape and proportions of the carapace, the two known species of *Indopinnixa* Manning & Morton, 1987, are superficially similar to members of *Pinnixa* White, 1846, which consists of 56 recognised species (Ng et al. 2008; Komatsu & Takeda, 2009), most of which occur in the Americas. Only five species of *Pinnixa* are known from the western Pacific: *P. balanoglossana* Sakai, 1934,