

SOME SPECIES OF CALANOID COPEPODS RECENTLY DESCRIBED FROM INDONESIAN WATERS, WITH NOTES ON THEIR DISTRIBUTION AND SPECIES-GROUPS

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ABSTRACT

One species of the family Candaciidae, Candacia ishimarui, and four species of the family Pontellidae, Calanopia asymmetrica, Labidocera javaensis, L. muranoi, and Pontella labuanensis were described from specimens collected from the Indonesian waters.

C. ishimarui belongs to C. norvegica group, which was hitherto composed of 3 species, C. ketchumi Grice, 1961, and C. norvegica (Boeck, 1865), by having common characters of the maxilla-shape, the 3 cusps of basal mandibular tooth, and the structure of P5 in both sexes. C. asymmetrica, which belongs to C. herdmani group, the female is easily distinguished by the asymmetrical CR and the male is identifiable by characters of the CR and P5. L. javaensis is distinguishable from the L. pectinata group by the shape of genital complex and the P5 in the male. It seems to be a neritic species inhabiting coastal waters shallower than 15 m in depth, and with 0.5 km offshore. L. muranoi which was collected from Cilacap Bay, belongs to the L. kroyeri group, and was distinguished from other species of this group by the shape of urosome and P5 in the female and by Ms5 and P5 in the male.

The last described species, P. labuanensis does not belong to any of the known 3 species-groups of Indo-West Pacific Pontella, in having the asymmetrical genital somite and the Re's of the P5 virtually naked in the female, and the rostrum with double convex lenses and the Re's of the male P5 with 2 subequal thumb.

Keywords. - Indonesian waters, families Candaciidae and Pontellidae, recently described species.