

Short note :

**A REDESCRIPTION OF *Haplosomoides serena* (BOHEMAN)
(COLEOPTERA, CHRYSOMELIDAE, GALERUCINAE)**

by

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INTRODUCTION

This short note presents a redescription of *Haplosomoides serena* (Boheman), a species of the galerucine beetles. The purpose is to provide additional information, including the illustration of the male genitalia, apical sternite, as well as the host plant.

Haplosomoides serena which was described by Boheman from Java, Indonesia under *Rhaphidopalpa* Chevrolat was later designated by Duvivier as the type species for *Haplosomoides*. The genus is represented by 22 species, including one recorded for Indonesia, which is the type species (Wilcox, J.A. 1973. Coleopterorum Catalogus, Supplementa, Pars 78(3): 433-664. W. Junk, Gravenhage).

Recently, the author has made a visit to the Museum Zoologi Bogor (MZB), Indonesia and has the opportunity to collect several specimens of *Haplosomoides serena* (Boheman) from the compound of Kebun Raya (Botanical Garden). The museum itself is located within the Kebun Raya. The beetles were collected in the morning, feeding on a leaves of a small tree labelled as *Caltis regenscens* (Family Ulmaceae). The beetles seemed not to be good fliers. They didn't fly away from the host plant when disturbed, instead flew from one branch to another of the same plant. The beetles were reddish brown when alive but later became paler, or brownish, upon preservation. Specimens examined in this study are deposited in the Museum Zoologi Bogor, Indonesia (MZB) and Centre for Insect Systematics, Universiti Kebangsaan Malaysia, Bangi (UKM).

Haplosomoides serena (Boheman)

(Fig.1,4)

Rhacipidophalpa serena Boheman, 18559, *Eugenis Rasa*, 2: 178 (Java).*Mimastra ? serena* Baly, 1889, *Trans. Ent. Soc. London*, 1889: 305.*Haplosomoides serena* Duvivier, 1890, *Compt. Rend. Soc. Ent. Belgique*, 34 : 34.- Wilcox, 1973, *Col. Cat. Pars 78* (3) : 488.

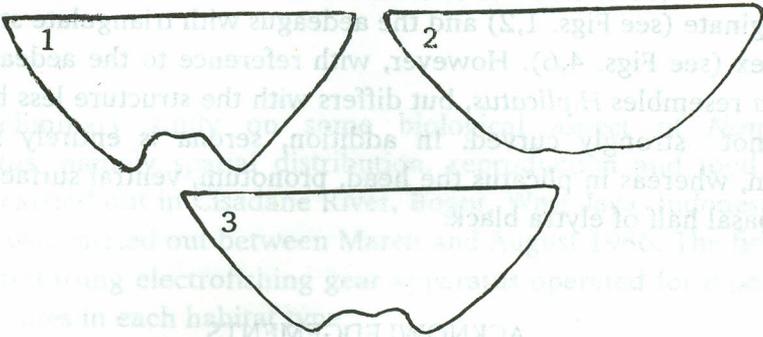
DESCRIPTION

Dorsal and ventral surfaces reddish brown.

Head with vertex smooth, impunctate, shiny; frontal tubercles strongly raised, triangular; interocular space twice as broad as the transverse diameter of each oculus; frons with transverse ridge strongly raised; mandible blackened at tip; labrum transverse, with row of long pubescences; maxillary palpi with penultimate segment enlarged, the apical short, conical. Eyes small. Antennae yellowish, long, extended to the middle of elytra; segment 1 longest, club-shaped; 2 shortest, as long as broad 3 twice as long as 2; 3 two-third as long as 4; 5-8 subequal in length; 9-10 subequal in length, shorter than 8; 11 narrower, longer than 10.

Pronotum transverse, 1.6 times as broad as long; sides narrower at base than apex, broadest at apical one-third; anterior border unmarginated, the lateral and posterior borders margined; disc shiny, impunctate, transversely depressed. Scutellum triangular, as broad as long. Elytra 1.8 times as long as broad, parallel-sided, longitudinally carinate behind humerus to apical one-fifth; disc densely covered with large punctures, with interstices as broad as the diameter of each puncture. Ventral surface yellowish brown, densely covered with long pubescence. First segment of hind tarsus subequal to segments 2 and 3 combined. Tarsal claws appendiculate. Apical sternite (Fig.1) with its surface deeply concaved in middle and apex deeply emarginate a small median lobe, the lateral lobes very large. Pygidium with apex bilobed. Aedeagus (Fig.4) strongly curved in middle, with apex triangulate. Length 5.5-7.5 mm. Female. Externally identical, except the apical sternite and pygidium entire. Length 7.5-8.5 mm.

Specimens examined: INDONESIA, Java, Bogor, Kebun Raya, 18.xi.1992. Mohd Salleh, 5 males and 2 females (MZB); 2 males and 2 females (UKM).

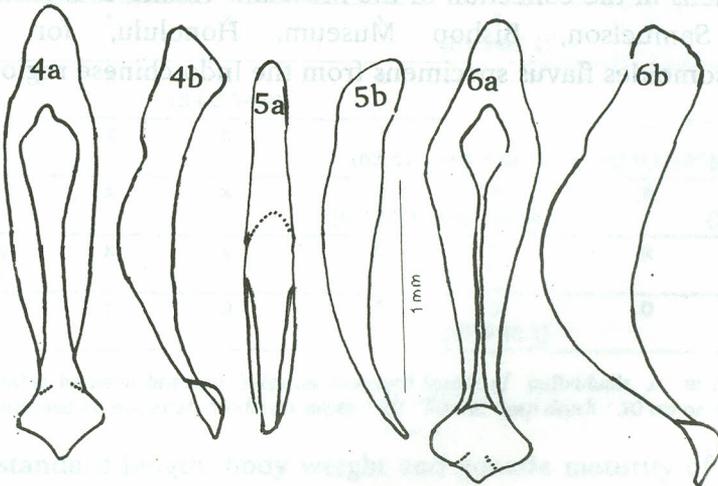


Figs. 1-3. male apical sternite of *Haplosomoides* species.

Fig. 1. *Haplosomoides serena* (Boheman)

Fig. 2. *Haplosomoides flavus* Laboissiere

Fig. 3. *Haplosomoides plicatus* (Allard)



Figs. 4-6 Aedeagi of *Haplosomoides* species (a, Ventral and b, lateral views).

Fig. 4. *Haplosomoides serena* (Boheman)

Fig. 5. *Haplosomoides flavus* Laboissiere

Fig. 6. *Haplosomoides plicatus* (Allard)

Food plants : *Celtis regenscens*, family Ulmaceae.

Haplosomoides serena (Boheman) resembles *Haplosomoides flavus* Laboissiere but differs in having the elytra densely covered with large punctures and in male the eyes smaller, the interocular broader than the transverse diameter of each oculus, the apical sternite deeply emarginate (see Figs. 1,2) and the aedeagus with triangulate structure at apex (see Figs. 4,6). However, with reference to the aedeagus, *H. serena* resembles *H. plicatus*, but differs with the structure less broader and not strongly curved. In addition, *serena* is entirely reddish brown, whereas in *plicatus* the head, pronotum, ventral surfaces, legs and basal half of elytra black.

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