

## Description of a new species of *Subzebrinus* (Gastropoda: Pulmonata: Buliminidae) from Java, Indonesia.

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ABSTRACT. A new species, *Subzebrinus* (*Subzebrinus*) *alticola* is described from West Java. It is compared with *Subzebrinus* (*Subzebrinus*) *batarae* (Rensch, 1930) from Lombok island.

### INTRODUCTION

A species of *Buliminidae* with radial white streaks was collected in 1989 from Mount Ciremai, West Java. Its shell morphology is similar to species of the genus *Subzebrinus* Westerlund, 1887, already known from Lombok Island (RENSCH, 1930, 1932). This genus is here recorded for the first time in Java.

Other members of *Buliminidae* already known in Java are: *Coccolodermis* (*Coccolodermis*) *glandula* (Mousson, 1848); *C. (C.) thrausta* (Moellendorff, 1897); *C. (C.) prillwitzii* (Moellendorff, 1897); *C. (C.) tenuilirata* (Moellendorff, 1897) and *C. (C.) tenggerica* (Moellendorff, 1897) (VAN BENTHEM JUTTING, 1952).

Ovate conical to cylindrical conical shells of *C. (C.) glandula* (Figs 4-5) were collected at Sumber Rejo, Jember, East Java, on limestone area, at 35-75 m altitude. The shells are smaller, and are illustrated here with the common high conical form (Fig. 6).

### Abbreviations

MZB - Museum Zoologicum Bogoriense, Bogor, Indonesia.

ZMA - Zoologisch Museum, Universiteit van Amsterdam, Netherlands.

SMF - Forschungsinstitut Senckenberg, Frankfurt, Germany.

### *Subzebrinus* (*Subzebrinus*) *alticola* n.sp.

Figs. 1-2.

### Material studied

Pengasinan, Mount Ciremai 6°52' S - 108° 12' E: holotype, MZB Gst. 9615; 2 paratypes, MZB Gst. 9616; 2 paratypes, ZMA Moll. 3.95.018; 2 paratypes, SMF 311177; 2 paratypes, author's coll. Sangabuana, Mount Ciremai: 1 paratype (semi adult), author's coll. Collected by Heryianto Gordah.

### Type locality

Pengasinan, Mount Ciremai, 2900 m, West Java, Indonesia, 6°52' S - 108°12' E, on tree.

### Description

Shell highly conical, rather thin, shining, little or not transparent. Colour brown to dark brown, usually with irregular radial white streaks or smears, apex light brown. Sculptured by fine radial striae, indistinctly spirally arranged.

Whorls 6 to 6½, little convex, top obtuse, base rounded. Suture shallow or well impressed, often white margined. Umbilicus very narrow, columellar side hiding part of umbilicus.

Aperture oblique, oval; brown inside. Peristome not continuous, margins connected by a thin membrane. Free margin white or purplish, slightly thickened, little reflected with a narrow yellowish brown band behind peristome and parallel with it.

Dimensions: height 13.3 to 14.7 mm, diameter 5.9 to 6.4 mm; height of aperture 5.7 to 6.2 mm.

### Distribution

Known only from Mount Ciremai, West Java: Pengasinan, 2900 m; Sangabuana, 2460m.

### Habitat

On tree, part of them are hiding under barks up to 2 m.

### Remarks

Compared with *Subzebrinus* (*Subzebrinus*) *batarae* (Rensch, 1930) from Lombok Island, the shell of *S. (S.) alticola* has more convex whorls and a relatively lesser number of whorls. The shell of *S. (S.) batarae* is red brown with yellowish streaks (RENSCH, 1930, 1932).

### Etymology

Named for its geographical range, situated at a high altitude.

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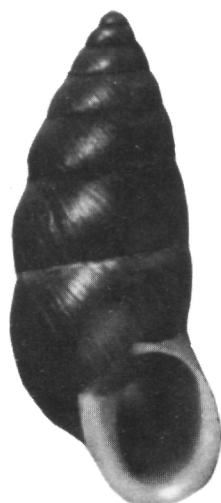
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**Figures 1-3.** *Subzebrinus (Subzebrinus) alticola* n.sp.

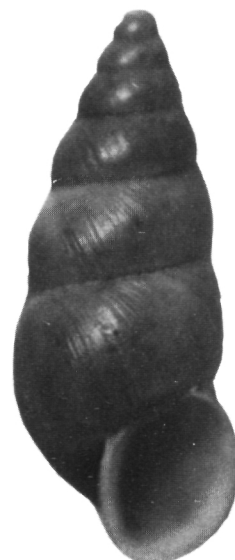
1-2. Holotype, MZB (h = 14.4 mm); 3. *S. (S.) batarae* (Rensch, 1930), (h = 13.5-15 mm), Segare Anak, Lombok, 2000 m. (fig. 16 from RENSCH, 1930).



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**Figures 4-6.** *Coccoderma (Coccoderma) glandula* (Mousson, 1848).

4. Sumber Rejo, East Java, (h = 14.6 mm); 5. Sumber Rejo, East Java, (h = 16.6 mm); 6. Kalipare, East Java (h= 18.8 mm) (coll. B. Dharma).