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Eviota fallax, a New Dwarfgoby from the Western Pacific (Teleostei: Gobiidae)

DAVID W. GREENFIELD¹ & GERALD R. ALLEN²

¹Research Associate, Department of Ichthyology, California Academy of Sciences, 55 Music Concourse Dr., Golden Gate Park, San Francisco, California 94118-4599 and Professor Emeritus, University of Hawaii. Mailing address: 944 Egan Ave., Pacific Grove, CA 93950. E-mail: greenfie@hawaii.edu.

²Department of Aquatic Zoology, Western Australian Museum, Locked Bag 49, Welshpool DC, Perth, Western Australia 6986. E-mail: tropical_reef@bigpond.com.

Abstract

Eviota fallax is described from West Papua, Indonesia and also is known from Bali, Banda, and Sangihe Island, Indonesia, New Britain, Solomon Islands, Yap, Ngulu Atoll, and the Ryukyu Islands, Japan. The species has an occipital spot (more obvious in males and preserved specimens), a complete cephalic sensory-pore system (Group I), and a dorsal/anal formula of 9/8, characters shared with *E. karaspila*, *E. melasma*, and *E. smaragdus*. It differs from these species in coloration, measurements and pelvic-fin structure.

Key words: Teleostei, Gobiidae, *Eviota*, *Eviota fallax*, *Eviota karaspila*, *Eviota melasma*, *Eviota natalis*, *Eviota smaragdus*, new species, Indonesia

Introduction

When the second author described *Eviota natalis* from Christmas Island (Allen et al. 2007), he compared it to a photograph of an undescribed species of *Eviota* referred to as species 8 in Senou et al. 2004. Subsequently he and M. Erdmann collected a series of that species at West Papua, Indonesia, which is described as new in this paper.

Materials and Methods

Counts and measurements, descriptions of fin morphology and the cephalic sensory-canal pore patterns follow Lachner and Karnella (1980) except that the last two fin rays are not counted as one unless it is clear that they are joined at the base. Measurements were made to the nearest 0.1 mm using dial calipers and an ocular micrometer, and are presented as percentage of Standard Length (SL) or Head Length (HL) if noted. All specimen lengths are SL. Cyanine Blue 5R (acid blue 113) stain was used to make pores more obvious (Akihito et al. 1993; Saruwatari et al. 1997; Nakabo 2002) and an airjet used to observe them. Values for the holotype are given first, followed by the range for all types and by the mean where appropriate in parentheses. As discussed in Greenfield & Jewett (2011), we are using the name dwarfgoby for species of *Eviota* and pygmygoby for species of *Trimma* based on an agreement between systematists working on these genera.

Eviota fallax n. sp.

Twin Dwarfgoby (Figs. 1–8)

Eviota albolineata (non-Jewett & Lachner) Kuitert & Tonozyuka 2001: 701.

Eviota species 8 Senou, et al. 2004: 148.