

Title : Pictorial dichotomous key of Suborder Anabantoidei found in Thailand

Author(s) : Ms. Helena Arika Rosenlykke

Student ID : 640510308

Major : Zoology

Advisor(s) : Assistant Professor Dr. Monruedee Chaiyapo

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## ABSTRACT

This study aims to develop a pictorial dichotomous key for fish species in the suborder Anabantoidei found in Thailand, along with detailed morphological descriptions of each species. It also provides key information on each species, including scientific and common names, morphological traits, and basic biological data. A total of 12 fish species were collected from ornamental fish shops field surveys by the local expert between August and December 2024. After collecting the specimens, each species was identified and cross-checked with reliable identification manuals for confirmation. The specimens were then set and photographed using a digital camera. Following this, they were preserved in a formalin solution and examined under a stereomicroscope to capture detailed features required for illustrating the pictorial key. Based on the results of this study, a pictorial identification key for fish in the suborder Anabantoidei was created. It includes illustrations of the whole fish, key identification features, and descriptions. The key is designed to be user-friendly for a wide range of users.

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