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Epiphytic Foliose Lichen of Yao Noi-Yao Yai Islands, Phang-Nga Province

Kawinnat Buaruang*, Kajonhsak Vongshewarat, Wetchasart Polyiam, Vasun Poengsungnoen,
Phimpisa Phraphuchamnong, Phimpha Nirongbutr, Supattara Phokaeo, Muthita Molsil,
Suthattra Siri-ngamram and Udomrak Meethong

Lichen Research Unit, Department of Biology, Faculty of Science, Ramkhamhaeng University, Bangkok, 10240

*Email: bkawinnat@gmail.com

Abstract

Biodiversity of foliose lichen in Yao Noi-Yao Yai island, Phang Nga province, 62 samples were collected between 5-8 April 2021. Seventeen species, 8 genera from 4 families were characterized by morphological, anatomical, and chemical characters. Most of the species found were blue-green algae (57%) consisted of 11 species and 5 genera (*Coccocarpia adnata*, *C. erythroxyli*, *C. palmicola*, *C. pellita*, *Collema coilocarpum*, *Cl. kauaiense*, *Erioderma mollissimum*, *Leptogium azureum*, *L. cyanescens*, *L. marginellum* and *Physma byrsaenum*) and 43% of macrolichen with green algae that comprised 5 species and 3 genera (*Bulbothrix subdissecta*, *Parmotrema cristiferum*, *Pa. gardneri*, *Relicina abstrusa* and *R. malaccensis*). In this study the highest diversity was found in mangrove forest (67%), and lesser was in tropical rain forest and beach forest (14% each), while the lowest diversity was found in plantation (5%).

Keywords: Andaman Island, Biodiversity, Taxonomy, Symbiosis