

Diatom 3: 33-87 (英文)

渡辺仁治・Rustum Usman : 中部スマトラの淡水産付着珪藻

Toshiharu Watanabe and Rustum Usman: Epilithic freshwater diatoms in Central Sumatra

Abstract

The present contribution is based on collections from five lakes, e. g. L. Manindjau, L. Singkarak, L. Dibaruh, L. Diatas, L. Talang and their outflows and inflows in Central Sumatra, from November 24 to December 9, 1984. Concerning L. Talang and L. Manindjau, additional samples were obtained by R. Usman on September, 1985.

About 160 taxa from 26 genera are recorded. The following three taxa are described as new variety: *Epithemia turgida* var. *sumatraense* nov. var., *Gomphonema vibrio* var. *maior* nov. var. and *Navicula adnata* var. *rostrata* nov. var. Microphotographs of 164 taxa from the materials are given in 17 plates.

Key words: epilithic diatom, Central Sumatra, *Epithemia turgida* var. *sumatraense* nov. var., *Gomphonema vibrio* var. *maior* nov. var., *Navicula adnata* var. *rostrata* nov. var.