INVESTIGATION OF PLANKTON COMPOSTION IN LOBSTER CAGE AT XUAN DAI BAY, PHU YEN PROVINCE

Tran Thi Kim Nhung, Truong Thi Kim Hang,
Dang Thi Thanh Hoa, Pham Thanh Luu, Nguyen Phu Hoa

Summary

This study was conducted to determine the composition of plankton in Lobster cage farming, at Xuan Dai bay from july to december 2017. Results showed that phytoplankton community included 37 genera belonging to 4 classes of algae, of which Bacillariophyceae is always dominant with 29 genera accounted for 78%, followed by Dinophyceae with 6 genera accouted for 16%, one genera belongs to Chrysophycaea and one genera of Cyanophyceae accounted for 3%. Zooplankton community were recorded with five groups: Copepoda, Nauplius, Protozoa, Protochordata and sponge group (Calcarea), with a clear dominance of Protozoa. The average phytoplankton count varied from 913 cells/l in august to 6565 cells/l in december. The average density of zooplankton varied from 753 individuals/l in july to 2595 individuals/l in november.

Keywords: *Plankton composition, lobster culture, Phu Yen.*