QUALITY AND QUANTITY OF FOULING ORGANISMS ATTACH ON OYSTER SHELL IN 3 DIFFERENT TYPES CULTURE

Teeraya Chouysurin
Suratthani Coastal Fisheries Research and Development Center, Takienthong, Kanchanadit District, Suratthani Province 84160

Charatsee Angtonya
Phuket Marine Biological Center, P.O. Box 60, Phuket 83000

Charin Maetheekachadet
Suratthani provincial fisheries office, 18/1 Jullachomklow Rd., Punpin District, Suratthani Province 84130

ABSTRACT

Study on quality and quantity of fouling organisms on oyster culture in 3 different systems: cement stake culture, string culture and roof-tile culture was performed during April 2002-March 2003. The results found that fouling organisms were 23 species in 6 Phyla: Phylum Annelida 10 species, Phylum Crustacea 4 species, Phylum Mollusca 7 species, Phylum Echinodermata 1 species, Phylum Chordata 1 species, and Phylum Platyhelminthes 1 species. The culture were not influential on quality of fouling organisms. Quantity of fouling organisms were different in each culture and depend on culture and seasons. The fouling organisms in Class Polychaeta, Order Balanomorpha and Order Isopod were recorded on every seasons in the year. The Shannon-Wiener’s diversity index of 3 different types of oyster culture and among the months was 0.28-0.37 and 0.11-0.52 respectively. Water quality had no influence to the fouling organisms of the oyster.

Key Words: Oyster, culture, fouling organisms