A study on the potential of the Coastal Soils around Pattani Bay for Shrimp Farming
Studies on soil fertility, toxic element (Fe Cu Zn Mn) and salinity in coastal soil at Pattani-bay for sustainable shrimp farming were carried out. Soil samples that had been collected during October 1990- March 1992 were investigated for 3 factors; firstly, soil texture (sand, loam and clay), secondly shrimp farming age (less than 3 years and over 3 years) and thirdly soil depths of surrounding area (0-50 cm and 50-100 cm.). Results showed that fine-textured like clay soil was mostly appropriate for shrimp farming because of its fertility. An increasing of N, P, K, OC, Fe, Cu, Zn and Mn in soil especially at sub soil layer was resulted in shrimp farms that running an activity for more that 3 years. More accumulation of soluble salts at sub soil is also resulted in increasing salinity than those that found in the surface soil.