Examination of *Bacillus* and *Lactobacillus* from Bottom Soil, Water and Black Tiger Shrimp in Earthen Pond, Trat Province

Suwanna Worasing
Trat Coastal Aquaculture Station

Abstract

Examination of *Bacillus* and *Lactobacillus* from bottom soil, water and black tiger shrimps *Penaeus monodon* Fabricius in earthen ponds, Trat province were determined from October 2004 to April 2006 on 15 farms: prepared-pond and post harvested soil samples; pre-stocking shrimp – 4 month water samples; 3 – 4 month shrimp. *Bacillus* was examined from soil during 0 - 1.00 x 10⁶ CFU/ml such as *Bacillus cereus*, *B. licheniformis* and *B. polymyx*; from water during 0 - 6.87 x 10⁵ CFU/ml such as *B. cereus*, *B. licheniformis* and *B. coagulans*; from shrimp during 0 - 1.00 x 10³ CFU/ml such as *B. coagulans*, *B. licheniformis* and *B. circulans*. Whereas, *Lactobacillus* was examined only from water during 0 – 85 CFU/ml such as *Lactobacillus plantarum*

Key words: *Bacillus*, *Lactobacillus*, black tiger shrimp, earthen ponds, Trat province

* 205 Moo 2, Tambol Ao-yai, Muang District, Trat Province 23000  Tel. 0-3954-3334-5
e-mail : worasingh@yahoo.com