40 suspected strains of *Lactobacillus* were isolated from 10 fermented fish samples. The results showed that 15 strains produced high biomass of OD600 nm > 3; 21 strains exhibited bacteriocin being anti at least one pathogenic bacterium and 17 strains lowered the culture pH to less than 3 after 48 hours of culture. Based on morphological characteristics and a phylogenetic tree constructed using sequence of gene 16S rRNA for taxonomy works, 9 strains producing bacteriocins, β-galactosidase, lactic acid were identified as *Lactobacillus casei* (2 strains), *Lactobacillus brevis* (2 strains), *Lactobacillus farciminis* (1 strain), *Lactobacillus plantarum* (2 strains), *Lactobacillus curvatus* (1 strain) and *Lactobacillus pentosus* (1 strain).

**Keywords:** *Lactobacillus sp.*, bacteriocin, fisheries products, fermented fish, bacteria.