

Preecha Inprasit 2013: A Comparison and Financial Analysis of Ornamental Fish Farms That Rearing Single Species Fish and Many Species Fish.
Master of Science (Fishery Management), Major Field: Fishery Management,
Department of Fishery Management. Thesis Advisor: Assistant Professor
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The objectives of this study were to investigate and compare costs and financial investment of ornamental fish farms that rearing single species fish and many species fish. A total of 82 farmers that operated their ornamental fish farms in Nakhon Pathom and Ratchaburi Province were interviewed by using structured questionnaire.

The result of costs and benefit analysis of the ornamental fish farms that rearing single species fish and many species fish found that rearing guppy with molly fish farms had lowest total cost of 255,222.04 Baht year⁻¹. While rearing goldfish with molly fish provided highest net income and net profit which were 1,290,000.00 and 670,418.22 Baht year⁻¹, respectively.

The financial analysis for 25 years of farm operation showed that rearing many species fish was a worth investment. Rearing guppy with molly fish farms provided the highest return (NPV = 8,088,558.28 Baht, BCR = 4.23, and IRR = 16.82 percent). Meanwhile rearing single species of goldfish provided highest return (NPV = 7,816,254.36 Baht, BCR = 3.69, and IRR = 15.69 percent).

Student's signature

Thesis Advisor's signature