

Atchareeporn Sukkerd 2012: Economic Analysis of Lobster Culture in Floating Cage Amphoe Ko Yao Changwat Phang-nga. Master of Science (Agricultural Economics), Major Field: Agricultural Economics, Department of Agricultural and Resource Economics. Thesis Advisor: Associate Professor Piti Kantangkul, Ph.D. 100 pages.

The objectives of this study were to (1) analyze the socio-economic situation and general characteristics of lobster culture in floating cage (2) analyze the financial cost-benefit of lobster culture in floating cage and (3) analyze the economic cost-benefit of lobster culture in floating cage in Amphoe Ko Yao, Changwat Phang-nga . The data used in the study was obtained from an interview of 23 samples of lobster farmers whom were chosen purposively.

The financial analysis of lobster culture in floating cage based on an average 18 cages farm model in Amphoe Ko Yao, Changwat Phang-nga, at 7 percent of discount rate. It was found that the net present value (NPV) of the investment was 1,499,620.61 baht, the benefit-cost ratio (BCR) was 1.50 and the internal rate of return (IRR) was 104 percent. The result indicated that the investment on lobster farming was financially feasible. In order to assess the financial risk, the sensitivity analysis in relation to a 25 percent decreased in benefit and 10 percent increased in cost was done. It showed that financial feasibility was fragment when both factors occurred. Considering the economic analysis of lobster culture in floating cage in Amphoe Ko Yao, Changwat Phang-nga based on lobster farming investment on total 414 cages at 12 percent of discount rate, it was found that the NPV of the investment was 31,577,873.62 baht, BCR was 1.67 and the IRR was 147.64 percent. The result showed that the investment was worthwhile.

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Thesis Advisor's signature