

Pattamaporn Yodsanti 2006: Aquaculture Farm Resources Management: A Case Study in Tumbon Lumsai, Amphoe Lum Luk Ka, Pathum Thani Province. Master of Science (Fishery Management), Major Field: Fishery Management, Department of Fishery Mangement. Thesis Advisor: Associate Professor Methae Kaewnern, M.S. 169 pages.
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The study on changes of aquaculture activities, resources utilization for farm management, cost and benefit of farm operations and factors that affect to aquaculture farmers were conducted in Tumbon Lumsai, Amphoe Lum Luk ka, Pathum Thani Province during 2003-2005. The primary data was collected by farm surveys, in depth interview with local administration officers, community's leaders and aged farmers, and individual interview using questionnaire with 67 farmers who were rearing fingerling catfish, rearing catfish, black tiger shrimp and white shrimp. The secondary information related to aquaculture farms were also collected from local fishery office and local administration office. The results showed that farmer has changed their aquaculture activities due to effect of low product price and high cost of production effort. The results indicated that there were not different in production practices among operating farms. According to resources utilization for farm management, the results revealed that there was not different in land utilization and source of investment budget, however there was different in labor using. Cost-benefit analysis results showed that fingerling catfish provided the lowest total cost (105,597.30 Baht year⁻¹), meanwhile black tiger shrimp culture provided the highest net return (27,633.01 Baht year⁻¹). The economic (4.23 of 5 point) and farm owner (3.44 of 5 point) were main external factor and internal factor that affected farmers decision on aquaculture activities changes, respectively. However the overall results, indicated that to sustain resource and land utilization and farmer aquaculture activity in this study area, nursing fingerling catfish was the most suitable aquaculture activity.

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