

Apisit Kaewkhao 2013: Development of Good Aquaculture Practices Standard for Siamese Fighting Fish (*Betta splendens*). Master of Science (Fishery Management), Major Field: Fishery Management, Department of Fishery Management. Thesis Advisor: Assistant Professor Methee Kaewnern, Ph.D. 179 pages.

The objectives of this study are aimed to investigate the problems and obstacles encountered in the implementation of a Good Aquaculture Practices Standard (GAP) and the development of good aquaculture practices standard for Siamese fighting fish. Fifty two farmers were interviewed in two areas, Mueang district and Nakhon Chai Si district in Nakhon Pathom province, during March to September 2011.

The results showed that most of farmers had graduated in primary and secondary school. There is only 61.50 % of farmers had registered their farms with the Department of Fisheries. The lack of information on farm registration was the main reason is that farmers had not registered farm with government offices. Then farmers had knowledge and understanding on GAP standard in low level and need to be improved.

The results of the study on farmer opinions on implementation on a Good Aquaculture Practices Standard for exporting ornamental fish that issued by the Department of Fisheries and application of the draft of a Good Aquaculture Practices Standard for ornamental fish that issued by the National Bureau of Agricultural Commodity and Food Standards (ACFS) for fighting fish farm evaluation, it was found that some of farmers 36.50% and 78.95 % disagreed due to culture practice of fighting fish differed from others such as gold fish, guppy fish.

For a study on the development of Good Aquaculture Practices Standard for Siamese fighting fish. All farmers agreed with a specific Good Aquaculture Practices Standard for Siamese fighting fish. The approach that could help farmers to operate their farms under standard criteria is establishment of farmer groups and information exchange within the group and training on standards from government authorities or those who involved.

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Thesis Advisor's signature