



### Abstract

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Realizing Farmer's Objective - Vital to Adoption Process of Fish Farming Technology. The Case of Selected Villages in Eastern Tanzania

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### Abstract:

This study was conducted to investigate how realizing farmer's objective has an influence on the adoption process of fish farming technology in Eastern Tanzania. A survey design was employed to collect data from 410 respondents randomly sampled from 25 villages. The study population comprised of non-adopters, continue-adopters and adopters-abandoned. Instruments used for data collection included questionnaire, Participatory Rural Appraisal, researchers' observations and secondary information sources. Descriptive statistics was used to report findings and data was validated by mean percentages. The results showed that farmers adopted fish farming in order to obtain fish for domestic consumption and for sale. However, while most women gave more priority to fish as food, more men gave priority to fish as a cash crop. Farmers who realized their objectives continued and intensified fish farming technology. Conversely, those who did not realize their objectives abandoned or practiced low level technology. Farmer's objectives were not realized due to poor production technology, harvest strategy and the nature of the product. Accordingly, non-adopters were reluctant to adopt fish farming because the technology did not have significant impact on the adopter's well-being. This finding suggests that farmer's objective and priority should be known before introduction of the technology and efforts should be directed towards realizing the objectives. Additionally, efforts should be made to improve production technology, preparation and preservation skills and harvest strategies. Finally, any analysis focusing on realizing farmer's objectives and priority should not be generalized but should be gender disaggregated.

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