

Comparative Analysis of Integrated and Non-Integrated Fish Farming in Ogun State, Nigeria

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Abstract : This study compared profitability analysis of integrated and non-integrated fish farming in Ogun State, Nigeria. Primary data were collected using interview guide. Random sampling techniques was used to select 133 non-integrated fish farmers (NIFF) and 216 integrated fish farmers (IFF) (n = 349) from the study area. Data were analyzed using Chi-square, T-test and Pearson Product moment correlation. Results showed that 92.5% of NIFF was male compared to IFF (90.7%). Also, 96.8% of IFF and 79.7% of NIFF were married. The mean ages of sampled farmers were 44 years (NIFF) and 46 years (IFF) while the mean fish farming experiences were 4 years (NIFF) and 5 years (IFF). Also, the average net profit per year of integrated fish farmers was ₦162,550 compared to NIFF (₦61,638). The chi-square analyses showed that knowledge of fish farming had significant relationship with respondents sex ($\chi^2 = 9.44$, $df = 2$, $p < 0.05$), age ($r = 0.20$, $p < 0.05$) and farming experience ($r = p = 0.05$). Significant differences exist between integrated and non-integrated fish farming, considering their knowledge of fish farming ($t = 21.5$, $\chi = 43.01$, $p < 0.05$). The study concluded that IFF are more profitable compared to NIFF. It was recommended that private investors and NGOs should sponsor short training and courses which will enhance efficiency of fish farming to boost productivity among fish farmers.

Keywords : profitability analysis, farms, integration

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