

## Assessment of Biosecurity Strategies of Selected Fishponds in Bataan

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**Abstract :** An assessment of the biosecurity strategies of selected fishponds in Bataan was conducted by the researchers from Bataan Peninsula State University Orani Campus to determine the present status of Biosecurity strategies being practice by selected freshwater and brackish water fishpond operators in the province to have an initial data of their system of safeguarding cultured fishes against possible diseases. Likewise, it aims to evaluate the extent of implementation of the following areas of Biosecurity namely; fishpond location, perimeter, entrance, building/ pond structure, shipping, new stocks, feeds, dead stocks, soil and water treatment, disinfection and vaccination program. The results of the assessment revealed that the present average status of the surveyed fish ponds in Bataan based on the data gathered from selected fishpond operators is poor for 44.64% and fair for 12.61%, which means that more than one- half of the surveyed fishpond do not have the first and second line of defense against diseases and there is always a higher risk of infection, contamination and possibility of disease outbreak. This indicates that fishpond operators in Bataan need technological interventions to improve their harvest and prevent heavy losses from fish diseases, although biosecurity is satisfactory for 12.92% and very good for 9.16%, which indicate that 22.08% of the surveyed fishponds have their own strategies to keep their stocks from diseases.

**Keywords :** biosecurity, fishpond operators, soil and water treatment, filtration system, bird scaring devices

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