



Topic/Title

Derivation of economic values for commercial traits in different production systems in Nile tilapia

Summary

Over the past three decades, Nile tilapia industry has grown into a significant aquaculture industry in the world due to the genetic improvement programmes all over the world. The objective of genetic improvement program is to select tilapia for the production of fingerlings that will produce desired products more efficiently under future economic circumstances. The selection index used for selecting genetically superior animals thus consists the estimated breeding values of many desired traits weighed by the economic values with the goal to maximize economic return. In the master thesis, the student will thus calculate the economic values for few commercial traits (body weight, fillet weight, fillet yield and disease resistance) of Nile tilapia. Commercial cage and ponf production system in Asia will be considered for the analysis. During the project, the student will become familiar with tilapia production and economic value calculation.

Subject area

Language thesis

English

Bachelor or Master thesis

Master

Credits

30 or 60

Project/company

The project is in close collaboration with GenoMar Genetics AS, a leading tilapia breeding company.

Please contact

Peer Berg

Co-supervisor from GenoMar will be Rajesh Joshi