Optimization of feeding and growth conditions for hatchery-bred larvae of indigenous Philippine silver perch, Leiopotherapon plumbeus (Perciformes: Terapontidae)

Añano, Julie Andrea; Aya, Frolan; Corpuz, Mark Nell & Romana-Eguia, Maria Rowena R.

Date published: 2015


Keywords: Philippine silver perch, Larval stages, Rearing strategy, Indigenous

To link to this document: http://hdl.handle.net/10862/2799

Share on: Facebook | Twitter | Google Plus | Instagram

This content was downloaded from SEAFDEC/AQD Institutional Repository (SAIR) - the official digital repository of scholarly and research information of the department
Downloaded by: [Anonymous]
On: December 11, 2018 at 8:20 AM CST

*Julie Andrea Añano*¹, *Frolan Ayab*, *Mark Nell Corpuzb* and *Maria Rowena R. Romana-Eguiaab*

¹ Department of Biology, De La Salle University, Taft Avenue, Manila
² Southeast Asian Fisheries Development Center, Aquaculture Department (SEAFDEC/AQD), Binangonan Freshwater Station, Binangonan, Rizal
* julie_anano@dlsu.ph

The Philippine silver perch, locally known as *ayungin*, is an endemic fish species and is considered as a potential candidate for aquaculture and for stock enhancement. However, high mortality associated with early larval stages presents a significant bottleneck to its latent commercialization. Culture experiments considered interactions among prey proportions, growth conditions and their consequences on fish growth performance and survival. Two phases of the experiment were conducted: (1) a short duration feeding trial utilizing different prey proportions of *Brachionus calyciflorus* and *Moina macrocopa* and (2) an indoor larval rearing technique that ensured optimum growth and survival of juveniles. Findings of this research will be used to propose an efficient rearing strategy addressing the aquaculture of this indigenous species.

**Keywords:** Philippine silver perch, larval stages, rearing strategy, indigenous