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Larval rearing of giant Gourami (*Osphronemus goramy* Lacepede , 1801)

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Giant Gourami has become one of the main species being cultured in south-east Asia and is in great demand in the aquaculture industry. The main constraint in giant gourami culture is the source of fry that should be standardized for commercial scale propagation. Assessment of growth performance, survival and body protein of giant gourami larvae fed with different types of live food organisms was conducted to identify the most suitable live food for larval rearing. Growth performance [mean final weight (FW) and length (FL)] of giant Gourami larvae was significantly highest in enriched *Moina* (55.3 ± 0.7 mg and 16.27 ± 0.29 mm), followed by unenriched *Moina* (41.0 ± 0.6 mg and 14.73 ± 0.17 mm), unenriched *P. redivivus* (31.7 ± 0.3 mg and 10.47 ± 0.35 mm), unenriched *Artemia* (31.0 ± 0.3 mg and 12.20 ± 0.23 mm), enriched *Artemia* (31.0 ± 0.3 mg and 13.20 ± 0.61 mm), enriched *P. redivivus* (31.0 ± 0.3 mg and 10.53 ± 0.75 mm) and mixed-zooplankton (19.7 ± 0.9 mg and 8.87 ± 0.24 mm). Highest mean survival of giant gourami larvae was obtained in enriched *Moina* ($96.95 \pm 1.21\%$) but was not found to be significantly different from unenriched *Moina* ($94.17 \pm 0.96\%$), enriched *Artemia* ($87.78 \pm 0.55\%$) and unenriched *Artemia* ($87.22 \pm 5.30\%$). The lowest mean survival rate was obtained in Mixed-zooplankton ($74.72 \pm 1.47\%$) but was not significantly different from those of unenriched *P. redivivus* and enriched *P. redivivus* ($77.77 \pm 4.82\%$ and $83.33 \pm 3.47\%$, respectively).

Biography

Andie John D Tadeo has completed his Master's degree from the College of Fisheries, Central Luzon State University, Nueva Ecija, Philippines. Currently, he is one of the Instructors of Don Mariano Marcos Memorial State University-Institute of Fisheries, Santo Tomas, La Union, Philippines.

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