Breeding performance and the effect of stocking density on the growth and survival of climbing perch, Anabas testudineus.

ABSTRACT

Anabas testudineus was successfully induced to spawn using LHRHa. Egg production, hatching rate and GSI were 5126 eggs/fish, 62 and 10.41%, respectively. Results showed that the survival and growth of A. testudineus during the 30-day nursing period were stocking density dependent. The highest survival rate was recorded in T1 (35/L; 75%), followed by T2, (55/L; 53%) and lastly T3 (75/L; 43%). The weekly growth performance in T1 (35/L), in terms of total body length and body weight was significantly better than other treatments, especially after 21-day of nursing. Fish larvae were fed with a combination of live and prepared foods. Water quality parameters were stable and not influenced by the stocking densities tested.

Keyword: Anabas testudineus(Bloch); Stocking Density; Larval rearing.