

THE EFFECT OF SALINITY ON THE GROWTH AND SURVIVAL RATE OF
JUVENILE GIANT CLAM (*TRIDACNA GIGAS*), SOUTH SULAWESI, INDONESIA

Aspari Rachman & Hilal Anshary
*Faculty of Marine Science and Fisheries, Hasanuddin University,
Ujung Pandang, South Sulawesi 90245, Indonesia*

ABSTRACT

A total of 240 juvenile *Tridacna gigas* were cultured in 15 litre containers in salinities of 27, 30, 33, and 36 ‰; three replications for each salinity. The water was fertilised with ammonia, and the containers exposed to light. There was a significant relationship between salinity and total weight but not between salinity and length. The optimal salinity was 30 ‰ for growth (shell length and weight) and survival rate, though survival rates were not statistically different within the range of 27 to 33 ‰.