

**ARTIFICIAL SPAWNING OF TRIDACNIDS FROM THE SPERMONDE  
ISLANDS, SOUTH-WEST SULAWESI**

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**ABSTRACT**

Due to intensive fishing pressure, the Government of Indonesia has enacted protective measures for all giant clam species to secure the sustainability of this resource. Cultivation techniques may assist in attaining this goal. Serotonin and gonadal slurry injections were used to induce spawning in the giant clams *Tridacna squamosa*, *T. derasa*, and *Hippopus porcellanus*. Serotonin treatment proved effective, and stimulated both sperm and egg spawning in test individuals, resulting in 39 million larvae of which 1.9 million survived to the juvenile stage.