

5 **We claim as our invention:**

- 10 1. A process of culturing benthic invertebrates *Marphysa iloiloensis* comprising the following steps:
- 15 a. placing the larval rearing in a shady area away from direct sunlight or in the absence of artificial light (0 to 50 lux);
 - b. stocking of the larvae in tanks;
 - c. producing bioflocs in tank through the combination of aquatic feeds and sugarcane molasses at C/N ratio of 20-40 under aerobic condition;
 - 20 d. collecting of bioflocs from biofloc tank by sieving;
 - e. adding 10-20 g bioflocs as food source and settlement substrate of the larvae in the rearing tank; and
 - f. rearing water is UV-treated seawater of 27-30 ppt following a recirculating system.
- 25 2. The process according to Claim 1, wherein said benthic invertebrate is amud polychaete *Marphysa iloiloensis*.
- 30 3. The process according to Claim 1, wherein the stocking of larvae in tank is at 1 DAH, further comprising the following steps:
- a. checking of egg viability under the microscope; and
 - b. stocking of trochophore larvae in the rearing tank.
- 35 4. The process according to Claim 1, wherein bioflocs are produced through the combination of aquatic feeds and sugarcane molasses, preferably at C/N ratio of 20-40, further comprising the following steps:
- a. installing airlifts and aeration system and stocking seawater in biofloc tank;
 - b. adding aquatic feeds and sugarcane molasses in tank once a week; and
 - c. agitating the biofloc water 3 times a day.
- 40 5. The process according to Claim 1, wherein bioflocs are collected in a biofloc tank by sieving in 90-um (mesh size) plankton net, further comprising the following step:
- a. soaking of collected bioflocs in freshwater and rinsing with UV-treated seawater.

5 6. The process according to Claim 1, wherein fresh bioflocs of 10-20 g are added to the rearing tank, further comprising the following step:

a. adding of fresh bioflocs after two days of stocking the larvae in the rearing tank.

10 7. The process according to Claim 1, wherein rearing water is UV-treated seawater of 27-30 ppt, following a recirculating system, further comprising the following step:

a. supplying of said seawater in rearing tanks using a dripping method.

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