

Coating Rate Of Round Nucleus In Mantle Transplantation of Freshwater Pearl Mussel *margaritifera* Sp. to *Anodonta woodiana*

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Abstract	Mantel is a living tissue that can secrete the mother's pearl layer. The purpose of this study was to determine the exact position of the mantle to produce the best pearl coating rate. Random block design was applied using three replications. The treatment is a coat piece from <i>Margaritifera</i> sp. which is transplanted into the anterior center (A) center, between the antero-posterior (B) and posterior (C) of <i>Anadonta woodiana</i> . The results showed that the best pearl quality and coating rate in treatment C (mean 196.89 μ m \pm 8.87; n = 25), followed by treatments A and B (mean 128.84 μ m \pm 6.30; 124.68 μ m \pm 5.73), respectively. The best mantle position to produce the best pearl layer is posterior.
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