

MUSSEL CULTURE BY USING DIFFERENT CULTURE METHODS & ESTIMATION OF GROWTH PARAMETERS OF LAMELLIDENS CORRIANUS FROM NANDED REGION, MAHARASHTRA

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ABSTRACT

A culture of mussels using the different cultural systems such as Basket culture, Rack culture, and Hanging culture method. In basket culture *Lamellidens corrianus* showed a 70% survival rate, maximum length gain percentage was $LG\% = 7.017$ minimum $LG\% = 1.470$. Maximum $WG\%$ was 21.408 and minimum of 1.267. Maximum $HG\%$ was 11.111 and minimum of 5.405. From Rack culture *Lamellidens corrianus* showed a 60% survival rate, maximum length gain percentage was 6.666 minimum 1.388. Maximum $WG\%$ was 7.591 and minimum of 0.795. Maximum $HG\%$ was 14.705 and minimum of 2.857. From hanging culture method *Lamellidens corrianus* showed 80% survival rate, maximum length gain percentage was 10.937 minimum 2.857. Maximum $WG\%$ was 12.903 and minimum of 1.796. $HG\%$ was maximum at 15.625 and 5.263. By comparing all three culture methods 80% survival rate obtained from hanging culture so it was clear that hanging culture system is the most suitable method for mussel culture.

KEYWORDS: *Lamellidens Corrianus, Basket Culture, Rack Culture and Hanging Culture*

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