Effect of Sea Water Changing on Growth of Sea Grapes (*Caulerpa lentillifera* J.Agardh)

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Effect of sea water changing on growth of sea grapes (*Caulerpa lentillifera* J.Agardh) was studied. The experiment was designed in Completely Randomized Design(CRD) with 7 treatments: no sea water changing, changing 100 % of the sea water every 30 days, 15 days 7 days 5 days 3 days and every day. Each treatment had 3 replications. The experiment was carried out for 60 days in plastic bowls with 60 cm in diameter and seawater (30 ppt), was filled to 20 cm height. Each replicate consisted of 4 trays each with 50 g of sea grape. By the end of the experiment, found that average weights of sea grape per tray in 7 treatments were 41.75±2.50, 42.04±4.229, 42.50±0.722, 55.25±1.44, 60.42±1.70, 70.25±8.32 and 122.75±5.72 g respectively. There was a significant different ($p < 0.05$) in growth among treatments with changing sea water every day gave the best yield.

Keyword:water changing,sea grapes,*Caulerpa lentillifera*

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