The Effect of the Optimum Salinity on Growth of Sea Lettuce Seaweed

(*Ulva rigida* C. Agardh, 1823)

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**Abstract**

The effect of the salinity levels of 0, 5, 10, 15, 20, 25, 30, 35 and 40 ppt on growth of sea lettuce seaweed (*Ulva rigida* C. Agardh, 1823) within 60 days was conducted in Trat Coastal Aquaculture Station hatchery since January to November 2007. It found that the sea lettuce seaweed grew on the salinity levels at 15 – 40 ppt. The optimum salinity was 25 ppt at 20 day-period showed significant higher growth rate than the salinity levels at 5, 10, 15 and 40 ppt (P < 0.05) which the average daily gain was 2.863 ± 1.953 grams per day. The maximum weight on 35 day-period was grown up 94.68 ± 20.61 grams, but the average daily gain was 0.164 ± 1.078 grams per day which less than on 20 day-period.

**Key words**: salinity, growth, sea lettuce seaweed *Ulva rigida*

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