Asexual Vegetative Reproduction of Seaweed *Caulerpa racemosa* (Forsskal) 
*J. Agardh var. corynephora* (Montagne) Weber-van Bosse, 1898

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Abstract

The study on asexual vegetative reproduction of seaweed (*Caulerpa racemosa* var. *corynephora*) in culture was carried out at Krabi Coastal Fisheries Research and Development Center during March 24 – April 22, 2007. This experiment was used with 4 treatments and 3 replications. Cultivating seaweed 1 g/L in 50 liters plastic basin contained sea water with salinity of 35 ppt. After 30 days, the result showed that the specific growth rate of seaweed reproduction with thallus, stolon with fronds, frond and stolon were 1.22±0.19, 4.87±0.50, 5.26±0.30 and 5.81±0.50 percent/days, respectively. Vegetative reproduction by using part of stolon was showed the best growth (P<0.05) but no significantly difference with the using of frond (P>0.05). Thus, the suitable part of *C. racemosa* var. *corynephora* to use for asexual vegetative reproduction is stolon and frond.

Key words: *Caulerpa racemosa* var. *corynephora*, asexual vegetative reproduction, growth

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