

MENINGKATKAN PERTUMBUHAN DAN PRODUKSI RUMPUT LAUT GRACILARIA GIGAS DENGAN MODIFIKASI METODE BUDIDAYA DAN SISTEM JARING

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Abstract

Production the *Gracilaria. gigas* Harv. is cultivation is influenced by cultivation methods and net systems used as well as environment factor. This research aim to k growth and production of the *Gracilaria gigas* using different cultivation methods and net systems and also to determinine the different cultivation method and ne which result in the highest growth and *G. gigas* production in Selok Adipala ocean in Cilacap. This research used an experimental method with Splitplot Design in 3 replication for each treatment combination. Research result indicate that the different of cultivation methods and net systems yield different seaweed growth and p The highest growth was yielded from *G. gigas* use the modification of floathing method with double nets system that is equal to 4.25,00 g/day. *G. gigas* using the 1 method with apit net system yield that was equal to 1.610,00 g/ m² of cultivation sea weed on Selok Adipala ocean in Cilacap

Keywords: cultivation methods and net systems, *Gracilaria gigas*, Selok Adipala ocean in Cilacap

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