

**PENINGKATAN KUALITAS PRODUK AGAR RUMPUT LAUT Gracilaria gigas
DENGAN PENAMBAHAN IOTA KARAGINAN MELALUI PEMANASAN MODEL
SMOG STEAM**

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Author Order	of
Accreditation	
Abstract	Gracillaria gigas is one of export commodity seaweed that needs to be developed, because a lot of raw materials utilized for the food industry, medicine, pharmaceuticals, paints and more. Extraction (warming) is done by Steam Smog models, one of which uses steam, because it is more economical and has many advantages in terms of both technology and product. This study aims to know: carrageenan and heating systems Smog Steam models to extract jelly of the Gracillaria gigas. Research carried out for 4 months (March-June 2012), used completely random sampling with a split plot pattern. Main plots were tested directly by the heating of hot water (hot water blanching) and steam (Steam blanching). As a subplot is without the addition of iota carrageenan, 2% of iota carrageenan addition, 3% of iota carrageenan addition and 4% of iota carrageenan addition. Each treatment repeated 3 times. The higher the addition of iota carrageenan, the higher the product that is produced, using either direct heating or hot water vapor. On heating with the addition of 4% iota carrageenan, the highest jelly product is 38.67%, while using steam of heating hot water the highest product that produced is 49.33%, with the best quality jelly based of FAO standards (Quality II)
Publisher Name	Badan Penelitian dan Pengembangan Provinsi Jawa Tengah
Publish Date	2012-12-01
Publish Year	2012
Doi	DOI: 10.36762/litbangjateng.v10i2.343
Citation	
Source	Jurnal Litbang Provinsi Jawa Tengah
Source Issue	Vol 10, No 2 (2012): Jurnal Litbang Provinsi Jawa Tengah
Source Page	157-167
Url	http://ejournal.bappeda.jatengprov.go.id/index.php/litbangjateng/article/view/343
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