

Modifikasi ekstraksi Karaginan dari *Eucheuma cottoni* yang di panen dari Perairan Sumenep - Madura

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=131687&lokasi=lokal>

Abstrak

One species of the red algae (Rhodophyceae) resulted from carrageenan is *Eucheuma cottonii*. This algae is cultured intensively in Madura island especially in district of Sumenep in village of Pekandangan - Buto. Production of *E. cottonii* in Sumenep - Madura rised over the last years but extraction of carrageenan has not been performed extensively. Unfortunately, it has been exported to abroad in dried form used as raw materials either food or non food industry. The objective of this research is to study the influence of extraction method of carrageenan on its quality. The best carrageenan quality was resulted by the modification of extraction method by using cold alkali treatment so this method can be considered as alternative methods. The carrageenan quality that resulted from this methods is one the standard suggested by food and agriculture Organization,