

**ISOLASI DAN KARAKTERISASI STRUKTUR KUMARIN DARI EKTRAK  
ETIL ASETAT DAUN RENGAS  
(*Gluta renghas L*)**

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## ABSTRACT

### ISOLATION AND CHARACTERIZATION COUMARIN STRUCTURE FROM ETHYL ACETATE EXTRACT OF RENGAS LEAVES

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Rengas (*Gluta renghas* L) is one of species plants in Indonesia. This plant belonging to the Anacardiaceae family which has an important role in the field of furniture. This species is known by its highly toxic sap caused heavy irritation and skin alergi. In previous study has been reported that Rengas posses 7 secondary compounds isolated like phenol, steroid, coumarine, flavonoid, saponin, and alkaloid. on this study have subjected isolation of coumarin compounds from ethyl asetat extract from Rengas leaves using colomn chromatography methode. Characterization of isolation compounds was carried out using Ultra Violet (UV) and Fourieir Transform infrared (FTIR) spectroscopy. The isolated compound was obtained as a coumarin compound with a melting point of 153-155oC. Further, that UV spectroscopy results show absorption at wavelengths of 200, 204, 225 and 275 nm. While the results of IR spectroscopy showed absorption at wave number 2914, 1700, 1446.69, 1293.19, and 718.09 cm-1.

**Keyword :** *Gluta renghas* L, *Anacardiaceae* , Coumarin, UV, IR

