

**Penetapan Kadar Total Fenol Ekstrak Etanol Daun Salam Dari Berbagai Waktu Ekstraksi Yang Diberi Perlakuan *Détente Instantanée Côtrolée* (DIC) (4,1 bar Selama 39,14 Detik )**

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**ABSTRAK**

Telah dilakukan penetapan kadar fenol total ekstrak etanol daun salam yang diberi perlakuan *Détente Instantanée Côtrolée* (DIC) pada tekanan 4,1 bar selama 39,14 detik, pada berbagai waktu ekstraksi. Penetapan kadar fenol total dilakukan dengan pereaksi *Folin Ciocalteu* secara spektrofotometri sinar tampak pada panjang gelombang 757,5 nm dengan asam galat sebagai pembanding. Kadar total fenol dari waktu ekstraksi 5 menit; 15 menit; 30 menit; 1 ; 1,5 ; 3 ; 4 ; 5 ; 6 ; 7 ; 8 ; dan 9 jam, masing-masing adalah 8,06; 8,08; 9,18; 9,44; 11,53; 10,79; 11,30; 12,68; 11,81; 11,53; 10,58; dan 8,17%. Waktu maserasi optimal adalah 5 jam dengan kadar fenol total 12,68%. Analisis hasil menggunakan ANAVA satu arah ( $\alpha = 0,05$ ) dan dilanjutkan uji Tamhane diketahui bahwa ada perbedaan kadar fenol total yang bermakna pada beberapa waktu ekstraksi.

Kata Kunci : Daun Salam, Pra-pengeringan, *Détente Instantanée Côtrolée* (DIC), Total Fenol, Folin Ciocalteu.

**Determination of Phenol Total from Java Bay Leafs's Etanol Extract with the treatment using *Détente Instantanée Côtrolée* (DIC) (4.1 bar for 39.14 seconds)**

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**ABSTRACT**

Determination of total phenol in Java Bay Leaf etanolic extract which were dried by the aid of *Détente Instantanée Côtrolée* (DIC) (4.1 bar for 39.14 seconds), at various extraction times has been done. It used *Folin Ciocalteu* reagent and the absorbance was detected by Visible Spectrophotometer at 757.5 nm using gallic acid as the standart. The fenol concentrations for extraction time 5 minutes; 15 minutes; 30 minutes; 1; 1.5; 3; 4; 5; 6; 7; 8; and 9 hours, are 8.06; 8.09; 9.18; 9.44; 11.53; 10.79; 11.30; 12.68; 11.8; 11.53; 10.58; and 8.17% respectively. The maximum times of extraction is 5 hours with concentration of phenol 12.68%. Using oneway ANOVA ( $\alpha= 0.05$ ) and Tamhane, it was concluded that there are significant differences at some extraction times.

Keywords : Java Bay Leafs, Pre-drying, *Détente Instantanée Côtrolée* (DIC), Total Phenol, *Folin Ciocalteu*.

