

**PENGARUH WAKTU EKSTRAKSI TERHADAP KADAR FENOL
TOTAL EKSTRAK ETANOL DAUN SALAM YANG DIKERINGKAN
DENGAN BANTUAN *DÉTENTE INSTANTANÉE CONTRÔLÉE* (DIC)
(3 BAR 25 DETIK)**

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ABSTRAK

Untuk mengetahui waktu ekstraksi optimum daun salam yang dikeringkan dengan bantuan *Détente Instantanée Contrôlée* (DIC) (tekanan 3 bar dan waktu 25 detik), telah dilakukan penetapan kadar fenol total daun salam pada berbagai waktu ekstraksi. Penetapan kadar fenol total dilakukan dengan metode *Folin Ciocalteu* secara spektrofotometri sinar tampak pada panjang gelombang 757,5 nm dengan asam gallat sebagai pembanding. Hasil penelitian menunjukkan kadar fenol total pada waktu ekstraksi 5 menit, 15 menit, 30 menit, 1 jam, 1,5 jam, 3 jam, 4 jam, 5 jam, 6 jam, 7 jam, 8 jam dan 9 jam masing-masing adalah 7,50, 6,96, 8,38, 7,86, 9,55, 9,82, 8,72, 9,05, 9,26, 10,52, 9,55, dan 9,68% GAE. Dengan uji ANAVA SATU ARAH ($\alpha = 0,05$) dilanjutkan dengan uji BNT diketahui bahwa 7 jam adalah waktu ekstraksi yang optimum.

Kata Kunci: Daun salam, *Détente Instantanée Contrôlée* (DIC), metode *Folin Ciocalteu*, fenol total.

**THE EFFECT OF EXTRACTION TIME TO TOTAL PHENOL FROM
JAVA BAY LEAF'S ETANOLIC EXTRACT WHICH WERE DRIED BY
THE AID OF *DÉTENTE INSTANTANÉE CONTRÔLÉE* (DIC)
(3 BAR AND 25 SECONDS)**

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ABSTRACT

To know the effect of extraction time to total phenol from Java Bay Leaf's etanolic extract which were dried by the aid of *Détente Instantanée Contrôlée* (DIC) (3 bar and 25 seconds), the determination of Java Bay Leaf's total phenol by *Folin Ciocalteu* method in various extraction times has been done. The absorption was detected by visible spektrofotometer at wave length 757,5 nm. Gallic acid used as the reference. The result of each extraction time (5 minutes, 15 minutes, 30 minutes, 1 hour, 1,5 hours, 3 hours, 4 hours, 5 hours, 6 hours, 7 hours, 8 hours and 9 hours) are 7,50, 6,96, 8,38, 7,86, 9,55, 9,82, 8,72, 9,05, 9,26, 10,52, 9,55, and 9,68% GAE respectively. Analysis using ONE WAY ANOVA ($\alpha = 0,05$) continued with LSD showed that 7 hours is the optimal extraction time.

Key Word : Java bay leaf, *Détente Instantanée Contrôlée* (DIC), *Folin Ciocalteu* method, total phenol.