

**PENGARUH WAKTU EKSTRAKSI TERHADAP KADAR FENOL  
TOTAL EKSTRAK ETANOL DAUN SALAM YANG DIKERINGKAN  
DENGAN BANTUAN *Détente Instantanée Contrôlée* (DIC)  
TEKANAN 4,5 BAR SELAMA 25 DETIK**

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**ABSTRAK**

Telah dilakukan penelitian untuk mengetahui pengaruh waktu ekstraksi terhadap kadar fenol total ekstrak etanol daun salam yang dikeringkan dengan bantuan DIC (4,5 bar, 25 detik). Ekstraksi dilakukan pada berbagai waktu untuk memperkirakan kapan ekstrak daun salam memiliki kadar fenol total paling tinggi. Penetapan kadar fenol total dilakukan dengan metode *Folin Ciocalteu* secara spektrofotometri sinar tampak, fenol total dihitung sebagai asam galat ekuivalen (GAE). Hasil penelitian menunjukkan bahwa kadar fenol total dari ekstrak etanol daun salam pada waktu ekstraksi selama 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 8,35; 9,03; 8,92; 9,99; 9,73; 9,49; 9,85; 10,48; 11,49; 9,68; 8,29; dan 8,12 %GAE. Perhitungan statistika (ANAVA dan dilanjutkan dengan BNT) menunjukkan adanya perbedaan kadar fenol total pada berbagai waktu ekstraksi. Dari hasil penelitian ini dapat disimpulkan bahwa perbedaan waktu ekstraksi berpengaruh pada kadar fenol total daun salam dan 6 jam merupakan waktu ekstraksi yang optimal.

Kata kunci: Salam, Waktu Ekstraksi, DIC, *Folin Ciocalteu*, Fenol Total, Spektrofotometri Sinar Tampak

**THE INFLUENCE OF EXTRACTION TIME TO THE AMOUNT TOTAL  
PHENOL ON SALAM LEAF ETHANOLIC EXTRACTS WHICH WERE  
DRIED BY THE AID OF DIC (4,5 BAR, 25 SECOND)**

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**ABSTRACT**

A research to know the influence of extraction time to the amount of total phenol on salam leaf ethanolic extracts which were dried by the aid of DIC. Extractions were performed at various times to estimate when the salam leaf extracts has the highest amount of total phenol. The amount of total phenol in extracts was determined by the *Folin-Ciocalteu* procedure and measured by visible spectrophotometry, the total phenol was measured as gallic acid equivalentents (GAE). Total phenol from salam leaf ethanolic extracts at 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 8,35; 9,03; 8,92; 9,99; 9,73; 9,49; 9,85; 10,48; 11,49; 9,68; 8,29; and 8,12 %GAE respectively. The statistic calculation (*ANOVA* method and continued with *LSD*) showed the significant difference of total phenol at various extraction time. From this research, it can be concluded that the different of extraction time influence the different of total phenol on salam leaf and 6 hours is the optimal extraction time.

Keywords: Salam Leaf , Extraction Time, DIC, Folin Ciocalteu, Total Phenol, Spectrofotometer Visible.