

**Penetapan Kadar Fenol Total Ekstrak Etanol Daun Salam Yang Diberi Perlakuan *Détente Instantanée Côtrolée* (1,5 Bar; 25 Detik ), pada Berbagai Waktu Ekstraksi**

Maelani, 2009

Pembimbing : Prof. Dra. Indrajati Kohar, Ph.D. dan Kartini, S.Si., M.Si., Apt.

**ABSTRAK**

Telah dilakukan penetapan kadar fenol total dalam ekstrak etanol daun salam yang proses pengeringannya diberi perlakuan *Détente Instantanée Côtrolée* (1,5 Bar; 25 detik), dilakukan pada berbagai waktu ekstraksi. Fenol total direaksikan dengan pereaksi *folin ciocalteu* dan diukur absorbansinya secara spektrofotometri sinar tampak pada panjang gelombang maksimum 757,5 nm dengan asam galat sebagai pembanding. Persentase hasil kadar fenol total pada waktu ekstraksi 5 menit; 15 menit; 0,5; 1; 1,5; 3; 4; 5; 6; 7; 8; dan 9 jam masing-masing adalah 5,72; 6,83; 6,90; 7,15; 7,65; 7,52; 8,56; 7,15; 6,76; 5,69; 5,03; dan 4,40% Ekuivalen asam galat. Analisis hasil menggunakan Anava satu arah dan dilanjutkan dengan uji Tamhane, diketahui bahwa ada perbedaan bermakna pada beberapa waktu ekstraksi.

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

**Assay of Total Phenol in Salam Leaves Etanolic Extract that Treated by *Détente Instantanée Côtrolée* (1,5 Bar; 25 seconds), at Various Extraction Times**

Maelani, 2009

Supervisor: Prof. Dra. Indrajati Kohar, Ph.D. and Kartini, S.Si., M.Si., Apt.

**ABSTRACT**

Assay of total phenol in Salam Leaves ethanolic extract which was dried by the aid of *Détente Instantanée Côtrolée* (1,5 Bar; 25 seconds), at various extraction times has been done. Total phenol was reacted with *Folin Ciocalteu* reagent and the absorbance was measured by visible spectrophotometer at 757,5 nm with gallic acid as a standart. The percentages of total phenol on each extraction times: 5 minutes; 15 minutes; 0,5; 1; 1,5; 3; 4; 5; 6; 7; 8; and 9 hours are 5,72; 6,83; 6,90; 7,15; 7,65; 7,52; 8,56; 7,15; 6,76; 5,69; 5,03; and 4,40% Gallic Acid Equivalent (GAE), respectively. By analysis using Oneway Anova and Tamhane, it is known that there are significant differences at some extraction times.

Keywords : Salam Leaves, *Détente Instantanée Côtrolée* (DIC), Total Phenol, *Folin Ciocalteu*.