

**PENENTUAN PARAMETER SPESIFIK DAN NON SPESIFIK  
EKSTRAK ETANOL 70% DAUN *Fraxinus griffithii* Clarke  
HASIL MASERASI KINETIK**

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**ABSTRAK**

Telah dilakukan penentuan parameter spesifik dan non spesifik ekstrak etanol 70% daun *Fraxinus griffithii* Clarke. Parameter spesifik yang ditentukan meliputi pola kromatogram dengan KLT-densitometer dan pola kromatogram dengan KCKT (Kromatografi Cair Kinerja Tinggi), sedangkan penentuan parameter non spesifik meliputi susut pengeringan, kadar abu total dan cemaran mikroba dengan ALT (Angka Lempeng Total). Dari hasil penentuan diatas, dapat disimpulkan susut pengeringan sebesar  $15,08 \pm 0,60\%$ , kadar abu total  $4,23 \pm 0,05\%$ , dan cemaran mikroba  $< 1 \times 10^{-1}$  CFU. Pola kromatogram KLT-densitometer menunjukkan adanya empat puncak dengan Rf 0,05; 0,43; 0,73 dan 0,90 dengan area masing-masing 43,58%; 40,06%; 3,50% dan 12,86%. Pola kromatogram KCKT menunjukkan adanya lima puncak utama (area) 5% pada waktu retensi 15,460; 20,320; 33,657; 37,683 dan 42,080 menit dengan area masing-masing sebesar 8,92%, 19,71%, 23,12%, 6,54% dan 10,43%.

**Kata Kunci:** *Fraxinus griffithii* Clarke, kadar abu total, susut pengeringan, angka lempeng bakteri, profil identitas KLT-densitometri, profil identitas KCKT

**DETERMINATION OF THE SPECIFIC AND NON SPECIFIC  
PARAMETERS OF *FRAXINUS GRIFFITHII* CLARKE  
LEAVES EXTRACT AS THE RESULT OF  
KINETIC MASERATIONS WITH 70% ETHANOL**

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**ABSTRACT**

Determination of the specific and non specific parameters of *Fraxinus griffithii* Clarke leaves extract has been done as the result of kinetic maceration with 70% ethanol. The specific parameter is chromatogram profile which has been determined by TLC-densitometer (Thin Layer Chromatography-densitometer) and HPLC (High Performance Liquid Chromatography) whereas the non specific are loss on drying, total ash, microbe contamination which have been determined by TPC (Total Plate Count). Based on the result of the determination above, can be concluded that the loss on drying is  $15.08 \pm 0.60\%$ , the total ash is  $4.23 \pm 0.05\%$ , and the microbe contamination is  $< 1 \times 10^{-1}$  CFU. The chromatogram profile which is determined by TLC-densitometer indicates four peaks with Rf 0.05, 0.43, 0.73 and 0.90 with it's own areas which are 43.58%, 40.06%, 3.50% and 12.86%. The chromatogram profile which is determined by HPLC indicates five main peaks (areas) 5% at retention time of 15.460, 20.320, 33.657, 37.683 and 42.080 minutes with it's own areas which are 8.92%, 19.71%, 23.12%, 6.54%, and 10.43%.

**Keywords:** *Fraxinus griffithii* Clarke, loss on drying, total ash, microbe contamination, TLC-densitometer's chromatogram profile, HPLC's chromatogram profile