

**DETERMINATION OF SPECIFIC AND NON SPECIFIC PARAMETERS OF
ETHANOL 50% EXTRACT OF *Fraxinus griffithii* Clarke LEAVES
RESULTED USING KINETIC MACERATION**

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ABSTRACT

A study was conducted to determine specific and non specific parameters of tikèn leaves extract (*Fraxinus griffithii* Clarke) originated from Pancur village. Tikèn leaves was powdered after being dried out by indirect sunlight. The tikèn leaves then was extracted with ethanol 50% using kinetic maceration method. The extract was evaporated under vacuum condition with *rotary evaporater* and continued on waterbath until thick extract obtained. Then thick extract was then determined the loss on drying, total ash content, microbacterial content, TLC-Densitometry and HPLC profile. The study showed loss on drying value was between $(15,14 \pm 0,47)\%$, total ash value between $(6,53 \pm 0,30)\%$, Plate Count Number showed there was no living microbe, TLC-Densitometry profile showed 3 peaks and HPLC profile showed 18 peaks.

Keywords : Tikèn (*Fraxinus griffithii* Clarke) leaves, specific parameters, non specific parameters, kinetic maceration, ethanol 50%

**PENETAPAN PARAMETER SPESIFIK DAN NON SPESIFIK EKSTRAK
ETANOL 50% DAUN *Fraxinus griffithii* Clarke HASIL MASERASI KINETIK**

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ABSTRAK

Telah dilakukan penelitian tentang parameter spesifik dan non spesifik dari ekstrak daun tikèn (*Fraxinus griffithii* Clarke) yang berasal dari desa pancur. Pembuatan serbuk daun dilakukan setelah dikeringkan dengan sinar matahari secara tidak langsung. Daun tikèn (*Fraxinus griffithii* Clarke) diekstrak menggunakan metode maserasi kinetik dan cairan pelarut etanol 50%. Ekstrak diuapkan dengan *waterbath* sampai diperoleh ekstrak kental. Kemudian dilakukan penetapan susut pengeringan, kadar abu total, cemaran mikroba, profil dari KLT-Densitometri dan KCKT. Hasil penelitian menunjukkan susut pengeringan didapat $(15,14 \pm 0,47)\%$, kadar abu total didapat $(6,53 \pm 0,30)\%$, angka lempeng total tidak ditemukan pertumbuhan mikroba, profil KLT-Densitometer didapatkan tiga puncak dan profil KCKT didapatkan 18 puncak.

Kata kunci : Daun tikèn (*Fraxinus griffithii* Clarke), parameter spesifik, parameter non spesifik, maserasi kinetik, etanol 50%