

## ABSTRAK

**Alifia Stanny. 2015. Uji Efek Diuretik Ekstrak Metanol Labu Siam (*Sechium edule* Jacq.Swartz) pada Kelinci Jantan (*Oryctolagus cuniculus*). Skripsi. Program Studi S1 Farmasi. Fakultas Ilmu-Ilmu Kesehatan dan Keolahragan. Universitas Negeri Gorontalo. Pembimbing I Dr. Widysusanti Abdulkadir., M.Si., Apt dan Pembimbing II Hamsidar Hasan., S.Si., M.Si., Apt**

Diuretik adalah senyawa yang dapat meningkatkan kecepatan pembentukan dan pengeluaran volume urin. Penelitian ini bertujuan untuk menguji efek diuretik ekstrak metanol labu siam (*Sechium edule* Jacq.Swartz) pada kelinci jantan (*Oryctolagus cuniculus*). Labu siam (*Sechium edule* Jacq.Swartz) diekstraksi dengan metode maserasi dan pelarut metanol. Hewan uji yang digunakan sebanyak 15 ekor kelinci jantan dan dibagi menjadi 5 kelompok. Kelompok I diberi suspensi ekstrak metanol labu siam 15%, kelompok II konsentrasi ekstrak metanol labu siam 10% b/v, kelompok III konsentrasi ekstrak metanol labu siam 5% b/v, kelompok IV kontrol positif diberi suspensi hidroklortiazid 0,0175% b/v dan kelompok V kontrol negatif diberi suspensi Na-CMC 1% b/v. Diukur volume urin kelinci pada menit ke-15, 30, 45, 60, 75 dan 90. Data dianalisis dengan analisis ANOVA. Berdasarkan penelitian didapatkan hasil bahwa ekstrak metanol labu siam (*Sechium edule* Jacq.Swartz) memberikan pengaruh yang signifikan pada peningkatan volume urin. Kelompok II yang diberikan ekstrak metanol labu siam 10% menunjukkan peningkatan volume urin yang optimal dibandingkan dengan kelompok perlakuan lain.

Kata Kunci : Diuretik, Ekstrak Metanol Labu Siam, Volume Urin

## ABSTRACT

**Alifia Stanny. 2015. Diuretic Effect Test of Chayote (*Sechium edule* Jacq. Swartz) Methanol Extract on Male Rabbit (*Oryctolagus cuniculus*). Skripsi. Study Program of S1 Pharmacy. Faculty of Health Science and Sports. State University of Gorontalo. The principal supervisor was Dr. Widysusanti Abdulkadir., M.Si., Apt and Co-supervisor was Hamsidar Hasan., S.Si., M.Si., Apt.**

Diuretic is a compound which can increase the rapidity of formation and excretion of urine volume. This research aimed at testing diuretic effect of chayote (*Sechium edule* Jacq. Swartz) methanol extract on male rabbit (*Oryctolagus cuniculus*). Chayote (*Sechium edule* Jacq. Swartz) was extracted using methanol solvent and maceration method. There were 15 male rabbits that had been tested in this research which was divided into 5 groups. Suspension of chayote methanol extract as 15% b/v was given to group I, 10% b/v to group II, and 5% b/v to group III. However, group IV as positive control was given the suspension of hydroclortiazid as 0,0175% b/v and group V as negative control was given the suspension of Na-CMC as 1% b/v. The urine volume of rabbits was measured in 15 minutes, 30 minutes, 45 minutes, 60 minutes, 75 minutes, and 90 minutes. Based on the research result, it gained that chayote (*Sechium edule* Jacq. Swartz) influenced significantly to the increase of urine volume. The increase of urine volume of group II which was given 10% b/v chayote methanol extract was more optimal than other groups.

Key words : Diuretic, Chayote Methanol Extract, Urine Volume