INTISARI

WIJAYA. SELVY., 2016, UJI AKTIVITAS FRAKSI-FRAKSI KULIT BUAH SALAK PONDOH (*Salacca zalacca* [Gaertner] Voss) TERHADAP KADAR ASAM URAT AYAM LEGHORN JANTAN SKRIPSI, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI.

Hiperurisemia adalah keadaan dimana kadar asam urat di dalam darah melebihi kadar normal. Kulit buah salak pondoh memiliki kandungan senyawa flavonoid dan saponin yang diduga dapat menurunkan kadar asam urat. Tujuan dari penelitian ini untuk mengetahui adanya aktivitas fraksi-fraksi kulit buah salak pondoh dalam menurunkan kadar asam urat pada ayam leghorn jantan yang diinduksi jus hati ayam.

Penelitian ini menggunakan 24 ayam leghorn jantan, dibagi secara acak menjadi 6 kelompok. Kelompok kontrol normal, kontrol negatif diberi CMC 0,5%, kelompok kontrol positif diberi allopurinol, dan kontrol perlakuan dengan pemberian kelompok ekstrak kulit buah salak, kelompok fraksi etil asetat dan kelompok fraksi air berturut-turut 175,14 mg/1,5 kgBB; 15,80 mg/1,5 kgBB; 124,40 mg/1,5 kgBB. Ayam diinduksi dengan jus hati ayam dosis 5 ml/kgBB secara oral. Pengambilan serum darah hewan uji melalui vena lateralis sayap dilakukan 3 kali yaitu hari ke-0, ke-7 dan ke-14. Kadar asam urat diukur menggunakan spektrofotometer *Start Dust*. Data yang diperoleh dianalisis menggunakan uji ANAVA.

Hasil penelitian menunjukkan bahwa fraksi etil asetat memiliki potensi menurunkan kadar asam urat. Dosis ekstrak kulit buah salak 175,14 mg/1,5 kgBB memberikan penurunan setara dengan dosis kelompok perlakuan kontrol positif diberi allopurinol.

Kata kunci : fraksi-fraksi, kulit buah salak pondoh, hiperurisemia, ayam leghorn jantan

ABSTRACT

WIJAYA. SELVY., 2016, ANTIHIPERURICEMIA ACTIVITY OF FRACTIONS OF PONDOH SALACCA RIND (*Salacca zalacca* [Gaertner] Voss) LEVELS OF URID ACID LEGHORN COCK, ESSAY, FACULTY OF PHARMACY, SETIA BUDI UNIVERSITY.

Hiperuricemia is condition that increased of uric acid level in the blood serum. Pondoh salacca rind contains flavonoids and saponins which could be decreased the level of uric acid. The purpose of this research is to know the activity of fractions of pondoh salacca rind in reduce uric acid level in leghorn cock that induced liver juice.

The research used 24 leghorn cock that divided randomly in 6 groups. They were normal control group, the negative control group that given CMC 0,5%, positive control group was given allopurinol, and test group that given ethanol extract of pondoh salacca rind, ethyl acetate fraction and water fraction that given 175,14 mg/1,5 kgBW; 15,80 mg/1,5 kgBW; 124,40 mg/1,5 kgBW respectively. The leghorn cock was induced by chicken liver juice in dose 5 ml/kgBW orally. The blood take was conducted in three times, the day of 0, 7 th and 14 th days in lateralis vena of leghorn cock. The uric acid levels were measured by the spectrophotometer *Start Dust*. Data were analyzed using the analysis of variance one way ANOVA.

The result of this research was the fraction of ethyl acetate has the potential to lower uric acid levels. The ethanol extract of pondoh salacca rind 175,14 mg/1,5 kgBW was samet with positive control that given allopurinol.

Keywords: the fractions, pondoh salacca rind, hiperuricemia, leghorn cock.