

## INTISARI

**Kusuma, KS., 2021, UJI AKTIVITAS LAKTAGOGUM EKSTRAK ETANOL JANTUNG PISANG BATU (*Musa balbisiana*) MENGGUNAKAN PARAMETER BERAT BADAN TIKUS (*Rattus norvegicus*), SKRIPSI, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.**

Jantung pisang batu dipercaya oleh masyarakat tradisional sebagai sayuran yang dapat melancarkan ASI. Tujuan penelitian ini adalah mengetahui aktivitas laktagogum dan dosis efektif ekstrak etanol jantung pisang batu dalam meningkatkan produksi air susu induk tikus dan berat badan anakan tikus.

Penelitian ini menggunakan sampel 30 induk tikus menyusui dibagi menjadi kontrol normal; kontrol negatif; kontrol positif (Lancar ASI); ekstrak etanol jantung pisang batu dosis 45 mg, 90 mg, dan 180 mg/200 g BB tikus. Induk tikus diberikan perlakuan dua kali sehari selama 14 hari. Setiap hari dilakukan penimbangan berat badan induk tikus dan anakan tikus sebelum dan sesudah menyusui untuk mengetahui produksi air susu dan pertambahan berat badan anakan tikus. Data berat badan anak dianalisis dengan *One Way ANOVA* dan dilanjutkan *Tukey Post Hoc Test* sedangkan data berat badan induk dengan *Mann Whitney*.

Hasil penelitian menunjukkan ekstrak etanol jantung pisang batu dosis 90 mg dan 180 mg/ 200 g BB tikus mempengaruhi peningkatan berat badan anakan tikus dan volume air susu tikus. Dosis 180 mg/200 g BB tikus merupakan dosis efektif yang dibuktikan dengan produksi air susu dan berat badan anakan tikus yang setara kontrol positif. Kandungan alkaloid, tanin, flavonoid, saponin, dan terpenoid pada jantung pisang batu memberikan efek laktagogum.

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Kata kunci: Laktagogum, Peningkatan berat badan, Pisang batu (*Musa balbisiana*.)

## ABSTRACT

**Kusuma, KS., 2021, LACTAGOGUM ACTIVITY TEST OF ETHANOL EXTRACT OF PISANG BATU (*Musa balbisiana*) BLOSSOM WITH THE PARAMETER OF RAT (*Rattus norvegicus*) WEIGHT, UNDERGRADUATE THESIS, PHARMACY FACULTY, UNIVERSITAS SETIA BUDI, SURAKARTA.**

*Pisang batu* blossom is believed by traditional people as a vegetable that can be used as a breast milk stimulant. The purpose of this study is to determine the activity of lactagogum and the effective dose of ethanol extract of the *pisang batu* blossom in increasing the milk production of rat and rat pups weight gain.

This study used a sample of 30 lactating rats which were divided into normal control; negative control; positive control (Lancar ASI); and ethanol extract of *pisang batu* blossom doses of 45 mg, 90 mg, and 180 mg/200 g BW rats. Rats were given treatment for 14 days that every day the rats are weighed before and after breastfeeding and the rat pups are weighed before and after feeding to determine milk production and weight gain of rat pups. Rat pups's weight data were analyzed by One Way ANOVA and followed by Tukey Post Hoc Test, while the rat's weight data was analyzed by Mann Whitney.

The results show that the ethanol extract of *pisang batu* blossom at dose 90 mg and 180 mg/200 g BW of rats affect the weight gain of rats pup and the volume of milk production. The dose of 180 mg/200 g BW of rats was an effective dose as evidenced by the milk production and body weight of rats which were equivalent to positive control. Alkaloids, tannins, flavonoids, saponins, and terpenoids in *pisang batu* blossom gives a lactagogum effect.

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Key words: Lactagogum, Pisang batu (*Musa balbisiana*.), Weight gain