

## INTISARI

DEWI, META KRISTIANA PRASISKA, 2022 Uji Efek *GALACTAGOGUE* Kombinasi Ekstrak Etanol Daun Bayam Duri (*Amaranthus spinosus* L) dan Umbi Bawang Dayak (*Eleutherine americana* Merr.) Terhadap Tikus Menyusui dengan Parameter Berat Badan Anak Tikus, Fakultas Farmasi, Universitas Setia Budi, Surakarta.

Tanaman daun bayam duri (*Amaranthus spinosus* L) dan umbi bawang dayak (*Eleutherine americana* Merr.) dimanfaatkan sebagai *galactagogue* diketahui mengandung alkaloid, flavonoid, saponin, steroid, dan tannin. Penelitian ini bertujuan untuk mengetahui efek *galactagogue* dan dosis efektif ekstrak etanol daun bayam duri dan bawang dayak terhadap tikus menyusui dalam meningkatkan berat badan anak tikus.

Metode penelitian ini yaitu eksperimental laboratoris. Ekstrak etanol daun bayam duri, umbi bawang dayak dan kombinasinya ( 50:50, 75:25, 25:75) diperoleh melalui maserasi dengan pelarut etanol 70%. Metode pengujian aktivitas *galactagogue* dengan parameter berat badan anak tikus. Seluruh kelompok perlakuan dilakukan pengukuran berat badan anak tikus selama 14 hari. Data yang diperoleh diuji dengan menggunakan One Way ANOVA dan uji Tukey Post Hoc Test.

Hasil menunjukkan dosis kombinasi efektif ekstrak etanol daun bayam duri dan ekstrak etanol umbi bawang dayak 31,5 mg/kg BB dan 30 mg/kg BB (50:50) memberikan efek *galactagogue* dilihat dari parameter peningkatan berat badan anak tikus tidak berbeda signifikan dengan kontrol positif Asifit (20,52 mg/kg BB).

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**Kata kunci :** *Galactagogue*, *Amaranthus spinosus* L, *Eleutherine americana* Merr

## ABSTRACT

DEWI, META KRISTIANA PRASISKA, 2022 THE EFFECT OF GALACTAGOGUE COMBINATION OF ETHANOL EXTRACTS OF SPANICH LEAVES (*Amaranthus spinosus* L) and DAYAK ONION TUBER (*Eleutherine americana* Merr.) ON BREASTFEEDING RATS WITH BODY WEIGHT OF THE LITTERS PARAMETERS, FACULTY OF PHARMACY, UNIVERSITAS SETIA BUDI.

Spinach leaves (*Amaranthus spinosus* L) and Dayak bulbs (*Eleutherine americana* Merr.) used as *galactagogues* are known to contain alkaloids, flavonoids, saponins, steroids and tannins. This study aims to determine the effect of *galactagogue* and the effective dose of ethanol extract of spinach leaves and Dayak onions on suckling rats in increasing the weight of the baby rats.

This research method is experimental laboratory. Ethanol extracts of spinach leaves, Dayak bulbs and their combinations (50:50, 75:25, 25:75) were obtained by maceration with 70% ethanol solvent. Method of testing galactagogue activity with parameters of body weight of rats. All treatment groups measured the body weight of the rat pups for 14 days. The data obtained was tested using One Way ANOVA and the Tukey Post Hoc Test.

The results showed that the combined doses effective of ethanol extract of spinach leaves and ethanol extract of Dayak onion bulbs 31.5 mg/kg BW and 30 mg/kg BW (50:50) gave a *galactagogue* effect as seen from the parameters of weight gain in rats, not significantly different from positive controls. Asifit (20.52 mg/kg BW).

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**Keywords :** *Galactagogue*, pups body weight, *Amaranthus spinosus* L, *Eleutherine americana* Merr