

INTISARI

Fitriani, R. N., 2020, UJI EFEK GALACTAGOGUE EKSTRAK ETANOL DAUN BAYAM DURI (*Amaranthus spinosus* L) TERHADAP TIKUS MENYUSUI DENGAN PARAMETER BERAT BADAN ANAK TIKUS, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Galactagogue merupakan suatu agen yang mampu meningkatkan suplai air susu. Senyawa-senyawa tersebut adalah tanin, terpenoid, flavonoid dan steroid digunakan dalam memperbaiki produksi ASI. Tanaman daun bayam duri (*Amaranthus spinosus* L) mengandung senyawa tersebut. Tujuan penelitian untuk mengetahui efek galactagogue dan dosis efektif ekstrak etanol daun bayam duri terhadap tikus menyusui dalam meningkatkan berat badan anak tikus.

Pengujian galactagogue dilakukan pada 30 induk tikus yang dibagi menjadi 6 kelompok, yaitu kelompok I tanpa perlakuan, kelompok II diberi CMC Na 0,5%, kelompok III diberi Asifit 67,86 mg/KgBB (kontrol positif), kelompok IV diberi ekstrak etanol daun bayam duri 21 mg/KgBB, kelompok V diberi ekstrak etanol daun bayam duri 42 mg/KgBB, dan kelompok VI diberi ekstrak etanol daun bayam duri 84 mg/KgBB. Seluruh kelompok dilakukan pengukuran berat badan anak tikus setiap hari selama 14 hari.

Hasil penelitian menunjukkan bahwa pemberian ekstrak etanol daun bayam duri dapat meningkatkan berat badan anak tikus. Dosis efektif pada dosis 21 mg/KgBB.

Kata kunci : Galactagogue, berat badan anak, *Amaranthus spinosus*

ABSTRAK

Fitriani, R. N., 2021, THE EFFECT OF GALACTAGOGUE THORN SPINACH LEAVES (*Amaranthus spinosus* L.) ETHANOL EXTRACT ON BREASTFEEDING RATS WITH BODY WEIGHT OF THE LITTERS PARAMETERS, FACULTY OF PHARMACY, UNIVERSITAS SETIA BUDI, SURAKARTA.

Galactagogue is a agent that can increase or facilitate the production of milk. These compounds are tannins, terpenoids, phenolics, flavonoids and steroids used as compounds that can improve breast milk production. *Amaranthus spinosus* contains these compounds. This study aims to determine the effect of Galactagogue and the effective dose of ethanol extract of thorn spinach leaves on lactating rats in increasing body weight of rats.

The samples use in this study were 30 breastfeeding and divided into 6 groups, group I as normal control without any treatment, group II as negative control given CMC Na 0.5%, group III as positif control given Asiffit 67.86 mg/KgBB, group IV given ethanol extract of thorn spinach leaves 21 mg /KgBW, group V was given ethanol extract of thorn spinach leaves 42 mg/KgBW, and group VI was given ethanol extract of thorn spinach leaves 84 mg/KgBW. The whole group was measured the body weight of the rats every day for 14 days.

The results showed that the administration of thorn spinach leaves ethanol extract could increase the weight gain. The effective dose at dose 21 mg/KgBW.

Keywords: galactagogum, litters body weight, *Amaranthus spinosus*