

INTISARI

LEWOMUDA, M .I., 2019, FORMULASI SALEP EKSTRAK ETANOL DAUN COCOR BEBEK (*Kalanchoe pinnata* Pers.) SEBAGAI OBAT LUKA BAKAR PADA KELINCI *New Zealand*, SKRIPSI, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Daun cocor bebek (*Kalanchoe pinnata* Pers.) mengandung senyawa flavonoid, saponin, dan tanin diduga berperan dalam proses penyembuhan luka bakar. Konsentrasi efektif ekstrak etanol daun cocor bebek pada penyembuhan luka bakar dari penelitian (Ningtiyas 2016) sebesar 5%. Tujuan penelitian ini yaitu untuk mengetahui pengaruh variasi konsentrasi vaselin putih dan parafin cair (basis salep hidrokarbon) terhadap sifat fisik sediaan salep dan efektifitas penyembuhan luka bakar.

Terdapat tiga sediaan uji pada penelitian ini yaitu lain formula I (vaselin putih 50:50 parafin cair), formula II (vaselin putih 70:30 parafin cair), dan formula III (vaselin putih 90:10 parafin cair). Uji aktivitas penyembuhan luka menggunakan kelinci sebanyak 5 ekor dengan diameter luka $\pm 1,5$ cm. Luka diolesi salep dua kali sehari dan diameter luka diukur dari hari pertama hingga luka sembuh. Data yang diperoleh dianalisis menggunakan Kolmogorov Sminorv dan *Two Way ANOVA*.

Hasil penelitian menunjukkan variasi basis salep berpengaruh terhadap sifat fisik dan penyembuhan luka bakar. Salep ekstrak etanol daun cocor bebek formula I (vaselin putih 50:50 parafin cair) memberikan efek penyembuhan luka bakar lebih cepat dibandingkan dua formula lainnya.

Kata kunci: kelinci, luka bakar, parafin cair, salep ekstrak etanol daun cocor bebek (*Kalanchoe pinnata* Pers.), vaselin putih

ABSTRACT

LEWOMUDA, M. I., 2019, KALANCHOE (*Kalanchoe pinnata* Pers.) LEAVES ETHANOL EXTRACT OINTMENT FORMULATION AS BURN HEALING ON *New Zealand* RABBIT, SKRIPSI, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA

Kalanchoe leaf (*Kalanchoe pinnata* Pers.) contains of flavonoids, saponins, and tanins allegedly play a role to the healing process of burns. The effective concentration of kalanchoe leaves ethanol extract in the healing burn of the research (Ningtiyas 2016) for 5%. The purpose of this research is to determine the influence of variations in the concentration of white vaselin and liquid paraffin (hydrocarbon ointment base) on the physical properties of ointment and burn-healing activities.

Kalanchoe extract is presented in the form of an ointment with three different variations bases are formula I (white vaselin 50:50 liquid paraffin), formula II (white vaselin 70:30 liquid paraffin), formula III (white vaselin 90:10 liquid paraffin). Burn healing test using as much as 5 rabbits with five burns were injured his back with a diameter of ± 1.5 cm. The burns were applied with ointment tested twice a day and wound diameter was measured from the first day until healed. Data obtained were analyzed using Kolmogorov Sminorv and two way ANOVA.

The results of this research showed variations of the base ointment affected on the physical properties and burns healing. Kalanchoe leaf Ethanol extract ointment (*Kalanchoe pinnata* Pers.) formula I (white vaselin 50:50 liquid paraffin) provides a faster burn healing effect than formula II and formula III.

Keywords: ethanol extract kalanchoe leaf (*Kalanchoe pinnata* Pers.) ointment, white vaselin, liquid paraffin, burn, rabbit