INTISARI

SETYOWATI, I. D., 2023, UJI AKTIVITAS SEDIAAN SALEP FRAKSI ETIL ASETAT DAUN ALPUKAT (*Persea Americana* Mill.) TERHADAP PENYEMBUHAN LUKA BAKAR PADA KELINCI *New Zealand*, SKRIPSI, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA. Dibimbing oleh Dr. Supriyadi, M.Si dan Lukito Mindi Cahyo, S. KG., M. PH.

Luka bakar adalah rusak atau hilangnya jaringan dikarenakan bersentuhan dengan sumber panas misalnya air panas, radiasi, listrik, bahan kimia, serta api. Daun alpukat (*Persea americana* Mill.) mampu memberikan aktivitas penyembuhan luka bakar karena mempunyai kandungan flavonoid, alkaloid, saponin, serta tanin. Tujuan penelitian ini untuk mengetahui mutu fisik terbaik salep fraksi etil asetat daun alpukat dengan aktivitas teroptimal sebagai alternatif dalam pengobatan luka bakar.

Ekstrak daun alpukat (*Persea americana* Mill.) dibuat dengan metode maserasi dan difraksinasi menggunakan pelarut air, n-heksana, dan etil asetat. Fraksi etil asetat diformulasikan dalam sediaan salep dengan konsentrasi 1,5%: 3%, dan 6%. Sediaan diuji mutu fisiknya meliputi uji organoleptis, homogenitas, daya lekat, daya sebar, viskositas, pH, serta uji stabilitas. Uji aktivitas penyembuhan luka bakar dilakukan pada punggung kelinci yang telah diberi perlakuan luka bakar. Parameter pengamatan dengan diukur diameter luka bakar. Hasil persentase penyembuhan luka bakar dianalisis statistik menggunakan SPSS.

Salep fraksi etil asetat daun alpukat konsentrasi 1,5%, 3%, 6% memberikan efek penyembuhan luka bakar, dengan efektivitas teroptimum sediaan salep pada konsentrasi 6%. Peningkatan konsentrasi sediaan salep fraksi etil asetat menunjukkan peningkatan efek penyembuhan luka bakar.

Kata kunci: Daun alpukat, Fraksi, Salep, Luka bakar, Kelinci *New Zealand*

ABSTRACT

SETYOWATI, I.D., 2023. ACTIVITY TEST OF OINTMENT PREPARATIONS OF AVOCADO LEAF (*Persea Americana MilL*.) ETHYL ACETATE FRACTIONS ON BURN WOUND HEALING IN *NEW ZEALAND* RABBITS. Undergraduate Thesis. FACULTY OF PHARMACY, SETIA BUDI UNIVERSITY, SURAKARTA. Supervised By Dr. Supriyadi, M.Si and Lukito Mindi Cahyo, S. KG., M. PH.

Burns are damage or loss of tissue due to contact with heat sources such as hot water, radiation, electricity, chemicals, and fire. Avocado leaves (*Persea americana* Mill.) are able to provide burn healing activity because they contain flavonoids, alkaloids, saponins, and tannins. The purpose of this study was to determine the best physical quality of avocado leaf ethyl acetate fraction ointment with the most optimal activity as an alternative treatment of burns.

Avocado leaves (*Persea americana* Mill.) extract was prepared by maceration method and fractionated using water, n-hexane, and ethyl acetate solvents. The ethyl acetate fraction was formulated in ointment preparations with concentrations of 1.5%: 3%, and 6%.The preparation was tested for physical quality including organoleptic test, homogeneity, adhesion, spreadability, viscosity, pH, and stability test. The burn wound healing activity test was conducted on the backs of rabbits that had been treated with burns. Observation parameters were measured by the diameter of the burn wound. The percentage of burn wound healing was statistically analysed using SPSS.

The ointment of ethyl acetate fraction of avocado leaves at concentrations of 1.5%, 3%, 6% provides a burn wound healing effect, with the optimum effectiveness of the ointment preparation at a concentration of 6%. Increasing the concentration of ethyl acetate fraction ointment preparation shows an increase in the effect of burn healing.

Keywords : Avocado leaves, Fractions, Ointment, Burn Wound, *New Zealand* rabbits