

**FORMULASI SEDIAAN KRIM DAN SALEP DARI EKSTRAK ETANOL  
DAUN TAPAK DARA (*Catharanthus roseus*, (L) G. Don) SEBAGAI  
ANTILUKA**

**ABSTRAK**

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Daun tapak dara (*Catharanthus roseus*, (L) G. Don) mengandung golongan senyawa flavonoid, saponin, dan tanin yang memiliki aktivitas penyembuhan luka. Formulasi sediaan krim dan salep yang mengandung ekstrak daun tapak dara kemudian dilakukan uji aktivitas penyembuhan luka berdasarkan penelitian sebelumnya dengan induksi luka terbuka pada mencit. Ekstrak diperoleh dengan proses maserasi menggunakan pelarut etanol 96%. Optimasi basis krim dengan menggunakan variasi konsentrasi adeps lanae (3, 5, dan 8%). Basis terbaik digunakan dalam formulasi sediaan dengan menambahkan ekstrak daun tapak dara 15%. Selanjutnya krim dan salep dilakukan evaluasi farmasetika, meliputi uji *in vivo* melihat aktivitas penutupan luka terhadap mencit. Hasil menunjukkan bahwa krim yang memenuhi persyaratan farmasetika adalah formula yang mengandung 8% adeps lanae, 15% ekstrak, 9% asam stearat dan 4% TEA. Berdasarkan analisis statistik ANOVA ( $P < 0,05$ ) sediaan krim dan salep memiliki aktivitas penyembuhan luka yang sama dengan salep povidon iodine dan lebih cepat dibanding kontrol (basis krim tanpa ekstrak).

**Kata kunci:** Daun tapak dara, salep, krim, penyembuh luka

**Formulation of Cream and Ointment Containing Ethanol Extract of Vinca  
Rosea (*Catharanthus roseus*, (L) G. Don) Leaves as Wound Healing  
Preparation**

**ABSTRACT**

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Vinca Rosea Leafs (*Catharanthus roseus* (L) G. Don) are reported to possess wound healing due to its active compound such as flavonoids, saponin, and tannins. The cream and ointment formulations containing extracts of vinca rosea leaves were formulated and their wound healing activity was studied on experimentally induced open wounds in albino mice. Extracts were obtained by maceration method using ethanol 96% as solvent. Cream base optimization used variation adeps lanae concentration (3, 5, and 8%). The best cream base formula then used at cream and ointment preparation by adding 15% extract vinca rosea leaves. The cream and ointment formulated were evaluated pharmaceutically, followed with *in vivo* determination of its wound healing activity in mice. Results showed that the formula of the cream that meet with pharmaceutical requirement is formula consist of 8% adeps lanae, 15% extract, 9% Stearic acid and 4% TEA. The cream formulations and the ointment formulation produced equal healing compared with the povidon iodine ointment product and better than control (cream base without extract) based on statistical analysis ANOVA ( $P < 0,05$ )

**Keywords:** vinca rosea leaf, ointment, cream, wound healing