

PROGRAM STUDI SARJANA FARMASI

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Judul : Pembuatan Dan Uji Mutu Fisik Salep Dari Ekstrak Etil Asetat Daun Gelinggang (*Cassia alata* (L.) Roxb)

ABSTRAK

Gelinggang merupakan tanaman obat dan banyak dimanfaatkan oleh masyarakat untuk mengobati penyakit kulit. Tanaman ini mengandung antijamur sehingga banyak dimanfaatkan untuk penyembuhan penyakit kulit. Metode penelitian bersifat eksperimen di laboratorium dengan pendekatan kuantitatif. Sampel dari penelitian ini dari ekstrak etil asetat daun gelinggang (*Cassia alata* (L.) Roxb). Tahapan penelitian mencakup sortasi sampel, ekstraksi, evevorasi ekstrak, pembuatan salep dan evaluasi uji mutu fisik salep. Tahap ekstraksi menggunakan metode maserasi 3 hari dengan pelarut etil asetat, ekstrak yang diperoleh menggunakan *rotary evaporator*. Salep dari ekstrak etil asetat daun gelinggang (*Cassia alata* (L.) Roxb) dibuat dalam 3 formulasi yaitu F1 5%, F2 10%, dan F3 15%. Pengujian uji mutu fisik sediaan meliputi uji organoleptis, uji homogenitas, uji pH, uji daya sebar, uji hedonik. Hasil pengujian organoleptis F1 berwarna hijau pekat, F2 berwarna hijau, dan F3 berwarna hijau muda, dan bentuk sediaan yaitu semi padat, dan memiliki aroma khas ekstrak daun gelinggang (*Cassia alata* (L.) Roxb). Hasil pengujian homogenitas menunjukkan tidak ada butiran kasar. Hasil pengujian pH menunjukkan 5. Hasil uji daya sebar menunjukkan penyebaran 6,3 sampai 6,9. Hasil uji hedonik menunjukkan sediaan sediaan disukai panelis baik warna, aroma dan tekstur. Berdasarkan hasil dapat disimpulkan bahwa ekstrak etil asetat daun gelinggang (*Cassia alata* (L.) Roxb) dapat diformulasikan dalam sediaan salep. Disarankan kepada peneliti selanjutnya agar dapat melanjutkan pengujian pada hewan dengan luka infeksi.

Kata Kunci : Daun Gelinggang, Formulasi, Mutu Sediaan Salep

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Title : *Preparation and Physical Quality Testing of Ointment from Ethyl Acetate Extract of Gelinggang Leaves (Cassia alata (L.) Roxb)*

ABSTRACT

Gelinggang is a medicinal plant and is widely used by the community to treat skin diseases. This plant contains antifungal properties so it is widely used to cure skin diseases. The research method is an experimental laboratory with a quantitative approach. The sample of this study was from the ethyl acetate extract of gelinggang leaves (Cassia alata (L.) Roxb). The research stages include sample sorting, extraction, extract evaporation, ointment preparation and evaluation of the physical quality of the ointment. The extraction stage uses a 3-day maceration method with ethyl acetate solvent, the extract obtained using a rotary evaporator. Ointment from ethyl acetate extract of gelinggang leaves (Cassia alata (L.) Roxb) was made in 3 formulations, namely F1 5%, F2 10%, and F3 15%. Testing of the physical quality of the preparation included organoleptic test, homogeneity test, pH test, spreadability test, hedonic test. The results of the organoleptic test of F1 were dark green, F2 were green, and F3 were light green, and the dosage form was semi-solid, and had a distinctive aroma of gelinggang leaves extract (Cassia alata (L.) Roxb). The results of the homogeneity test showed no coarse grains. The results of the pH test showed 5. The results of the spreadability test showed a spread of 6.3 to 6.9. The results of the hedonic test showed that the preparations were liked by the panelists in terms of color, aroma and texture. Based on the results, it can be concluded that the ethyl acetate extract of gelinggang leaves (Cassia alata (L.) Roxb) can be formulated into ointment preparations. It is recommended that future researchers continue testing on animals with infected wounds.

Keywords: *Gelinggang Leaves, Formulation, Quality of Ointment Preparation*