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KAJIAN ARTIKEL PENGARUH ADEPS LANA E DAN VASELIN ALBUM SEBAGAI BASIS TERHADAP SIFAT FISIK SEDIAAN SALEP BAHAN ALAM

ABSTRAK

Latar Belakang: Sediaan semi padat memiliki kelebihan seperti praktis dibawa, mudah dipakai dan mudah diserap. Sediaan semi padat seperti salep dapat dibuat formulasinya dengan menggunakan bahan alam. Dalam pembuatan salep diharapkan basis salep yang cocok sehingga pelepasan zat aktif bisa terjadi secara maksimal. Basis yang digunakan terdiri dari basis adeps lanae dan basis vaselin album. Sediaan salep yang dibuat di evaluasi sifat fisik sediaan salep. Tujuan review artikel ini mengkaji pengaruh basis adeps lanae dan vaselin album terhadap sifat fisik sediaan salep bahan alam.

Metode: Metode *review* artikel dengan mengkaji 7 jurnal yang terdiri dari 6 jurnal nasional dan 1 jurnal internasional. Kriteria inklusi artikel yang dipilih meliputi sediaan salep ekstrak tanaman dengan variasi basis adeps lanae dan vaselin album, memiliki konsentrasi basis yang berbeda dan terdapat hasil pengujian mutu fisik sediaan.

Hasil: Sediaan salep dengan basis adeps lanae dan vaselin album mempengaruhi sifat fisik sediaan salep. Basis yang digunakan memiliki konsentrasi yang berbeda pada tiap artikel. Uji evaluasi yang dilakukan dalam 7 jurnal sesuai standar yakni pada uji organoleptis sediaan salep memiliki bentuk setengah padat, warna dan bau khas ekstrak. Adanya pengaruh basis adeps lanae dan vaselin pada warna sediaan salep. Uji homogenitas diperoleh basis salep mempengaruhi homogenitas sediaan salep. Pada hasil uji pH ketujuh artikel memenuhi persyaratan sediaan salep 4,5-6,5. Hasil uji daya sebar ketujuh artikel memenuhi persyaratan 5-7cm. Hasil uji viskositas memperoleh hasil 15400 dan 14500 cP.

Kesimpulan: Berdasarkan kajian artikel yang telah dilakukan dapat disimpulkan bahwa basis sediaan salep adeps lanae dan vaselin album dapat mempengaruhi sifat fisik sediaan salep meliputi warna, homogenitas, daya sebar dan viskositas.

Kata Kunci: sediaan salep, adeps lanae, vaselin album, sifat fisik.

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ARTICLE STUDY OF THE EFFECT OF ADEPS LANAEE AND VASELINE ALBUM AS A BASE ON THE PHYSICAL PROPERTIES OF NATURAL MATERIALS OF OINTMENT PREPARATIONS

ABSTRACT

Background: *Semi-solid preparations have advantages such as being practical to carry, easy to use and easy to absorb. Semi-solid preparations such as ointments can be formulated using natural ingredients. In making the ointment, it is expected that a suitable ointment base can be used so that the maximum release of the active substance can occur. The base used consisted of an adeps lanae base and a vaseline album base. The ointment preparations made were evaluated for the physical properties of the ointment preparations. The purpose of this article review is to examine the effect of adeps lanae base and vaseline album on the physical properties of natural ointment preparations.*

Methods: *Article review method by reviewing 7 journals consisting of 6 national journals and 1 international journal. The inclusion criteria of the selected articles included plant extract ointment preparations with variations in the bases of Adeps lanae and Vaseline album, having different base concentrations and the results of testing the physical quality of the preparations.*

Results: *Preparation of ointment based on adeps lanae and vaseline album affected the physical properties of the ointment preparation. The basis used has a different concentration in each article. Evaluation tests were carried out in 7 journals according to the standard, namely the organoleptic test of the ointment preparations having a semi-solid form, color and distinctive odor of the extract. The effect of adeps lanae and vaseline bases on the color of the ointment preparation. The homogeneity test obtained by the ointment base affects the homogeneity of the ointment preparation. In the pH test results, the seven articles met the requirements for ointment preparations from 4.5 to 6.5. The results of the spreadability test of the seven articles met the 5-7cm requirement. The results of the viscosity test obtained the results of 15400 and 14500 cP.*

Conclusion: *Based on the review of articles that have been carried out, it can be concluded that the base of adeps lanae ointment and vaseline album can affect the physical properties of the ointment including color, homogeneity, spreadability and viscosity.*

Keywords: *ointment preparation, adeps lanae, vaseline album, physical properties.*