

INTISARI

AMALIA, 2016, UJI MUTU FORMULASI FISIK KRIM METIL SALISILAT DENGAN VARIASI KONSENTRASI PARAFFIN PADAT, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA

Metil salisilat merupakan salah satu obat analgetik topikal. Metil salisilat dapat dibuat sediaan krim dengan penambahan eksipien dan bahan tambahan. Bahan tambahan yang memiliki peran penting adalah paraffin padat sebagai pengental. Tujuan penelitian ini adalah untuk mengetahui mutu fisik dan stabilitas krim metil salisilat yang dibuat dengan berbagai konsentrasi paraffin padat yang berbeda.

Penelitian dilakukan dengan membuat 3 formula krim metil salisilat dengan variasi konsentrasi paraffin padat 1,5 %, 2%, dan 2,5%. Krim yang dihasilkan diuji organoleptis, homogenitas, pH, viskositas, daya lekat, dan daya sebar. Data dianalisa secara statistik menggunakan metode Anova satu jalan, apabila ada perbedaan dilanjutkan ke *Post Hoc Multiple Comparisons* yang dipilih adalah tukey.

Hasil penelitian menunjukkan bahwa metil salisilat dapat dibuat sediaan krim dengan variasi konsentrasi paraffin solidum yang memenuhi uji mutu fisik dan stabilitas krim. Dari ketiga formula krim, memiliki mutu fisik yang meliputi uji organoleptis, homogenitas, pH, viskositas, daya lekat, daya sebar dan stabilitas krim yang baik, karena memenuhi syarat mutu fisik stabilitas krim.

kata kunci: krim, metil salisilat, paraffin padat

ABSTRACT

AMALIA, 2016, TEST OF PHYSICAL QUALITY CREAM FORMULATION OF METHYL SALICYLATE WITH CONCENTRATION VARIATION OF SOLID PARAFFIN, SCIENTIFIC PAPER, FACULTY OF PHARMACY, SETIA BUDI UNIVERSITY, SURAKARTA.

Methyl salicylate is a topical analgesic drug. Methyl salicylate was made cream preparation with addition of excipient and additive. Additional material which have an important role is solid paraffin as thickener. The purpose of this study was to determine the physical quality and stability of methyl salicylate cream which made with various concentration of different solid paraffin.

The study was conducted by production of 3 methyl salicylate creams formula with concentration variation of solid paraffin 1.5%, 2% and 2.5%. The resulting cream was tested organoleptic, homogeneity, pH, viscosity, adhesion, and dispersive. Data were analyzed statistically using ANOVA one way, if there are differences then continued to *Post Hoc Multiple Comparisons* chosen was tukey.

The results showed that methyl salicylate could be made cream preparation with concentration variation of paraffin solidum which meet the test of physical quality and stability of cream. From the three creams formula, had good of physical quality that includes organoleptic test, homogeneity, pH, viscosity, adhesion, dispersive and stability of the cream, because meet the requirements of physical quality of cream stability.

Keywords: cream, methyl salicylate, paraffin padat