

INTISARI

CAHYANI, AYU SONIA, 2017. FORMULASI dan UJI MUTU FISIK KRIM NATRIUM DIKLOFENAK DENGAN VARIASI BASIS ASAM STEARAT & TRIETANOLAMIN, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Natrium Diklofenak merupakan Obat Anti Inflamasi Non Steroid yang biasa digunakan sebagai obat untuk penyakit rheumatoid arthritis atau rematik. Tujuan penelitian ini adalah untuk mengetahui pengaruh basis asam stearat dan trietanolamin krim natrium diklofenak terhadap uji mutu fisik krim.

Natrium diklofenak dengan variasi basis asam stearat dan trietanolamin dibuat sediaan krim tipe M/A (minyak dalam air). Selanjutnya masing-masing formula diuji mutu fisik krim (uji organoleptis, uji homogenitas, uji viskositas, uji daya sebar, uji daya lekat, uji pH). Data dianalisis secara statistik menggunakan ANOVA one way kemudian dilanjutkan *Independent T-Test*.

Hasil penelitian menunjukkan variasi basis asam stearat dan trietanolamin berpengaruh terhadap mutu fisik krim natrium diklofenak yang meliputi uji organoleptis, uji homogenitas, uji viskositas, uji daya sebar, uji daya lekat, uji pH. Dari hasil data uji mutu fisik krim menunjukkan formulasi III memenuhi standar krim yang baik.

Kata kunci : Krim, natrium diklofenak, asam stearat, trietanolamin, uji mutu fisik krim.

ABSTRAK

CAHYANI, AYU SONIA, 2017. FORMULATION AND PHYSICAL QUALITY TEST CREAMS DIKLOFENAK WITH VARIATION BASE OF STEARIC ACID & TRIETANOLAMIN, SCIENTIFIC WRITING, FACULTY OF PHARMACY, UNIVERSITY SETIA BUDI, SURAKARTA

Sodium Diclofenac is a Non-Steroidal Anti-Inflammatory Drug that is commonly used as a remedy for rheumatoid arthritis or rheumatoid disease. The purpose of this study was to determine the effect of stearic acid base and triethylamine sodium diclofenac cream on test of physical quality of cream.

Sodium diplofenac with a variety of steariolamine acid base and triethanolamine made M / A type cream (oil in water). Next each formula was tested the physical quality of the cream (organoleptic test, homogeneity test, viscosity test, spreading test, adhesion test, pH test). Data were analyzed statistically using ANOVA one way then continued Independent T-Test.

The results showed that the variation of steariolamine acid base and effect on physical quality of diclofenac sodium cream consisted of organoleptic test, homogeneity test, viscosity test, spreading test, adhesion test, pH test. From the result of data of physical quality test of cream showed formulation III meet standard cream is good.

Keywords: Cream, sodium diclofenac, stearic acid, triethanolamine, test of physical quality of cream