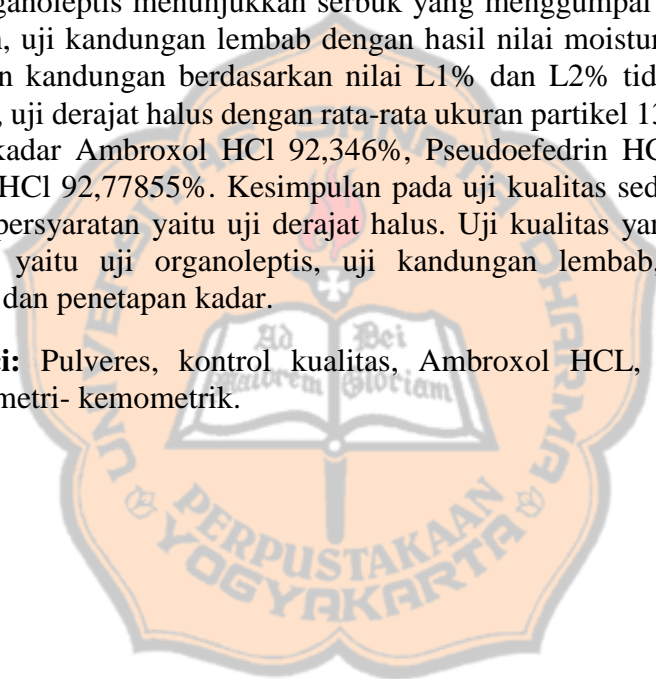


ABSTRAK

Kombinasi zat aktif Ambroxol HCl dan Alerfed® dalam bentuk sediaan pulveres banyak diresepkan untuk pasien dengan gangguan saluran pernafasan. Penelitian ini bertujuan untuk mengetahui kualitas sediaan racikan pulveres dengan zat aktif Ambroxol HCl dan Alerfed® yang diracik di Rumah Sakit “X” Tipe C di Semarang. Penelitian ini termasuk jenis penelitian non-eksperimental dengan rancangan penelitian deskriptif. Kontrol kualitas sediaan racikan yang dilakukan pada penelitian ini meliputi uji organoleptis, uji kandungan lembab, uji derajat halus, uji keseragaman kandungan dan penetapan kadar menggunakan metode kombinasi kemometrik-spektrofotometri.

Hasil uji kualitas sediaan racikan kombinasi Ambroxol HCl dan Alerfed® yaitu uji organoleptis menunjukkan serbuk yang menggumpal pada penyimpanan hari ketujuh, uji kandungan lembab dengan hasil nilai moisture content >5%, uji keseragaman kandungan berdasarkan nilai L1% dan L2% tidak memenuhi nilai penerimaan, uji derajat halus dengan rata-rata ukuran partikel 13,868 μm , dan hasil penetapan kadar Ambroxol HCl 92,346%, Pseudoefedrin HCl 64,83388%, dan Triprolidin HCl 92,77855%. Kesimpulan pada uji kualitas sediaan pulveres yang memenuhi persyaratan yaitu uji derajat halus. Uji kualitas yang tidak memenuhi persyaratan yaitu uji organoleptis, uji kandungan lembab, uji keseragaman kandungan, dan penetapan kadar.

Kata kunci: Pulveres, kontrol kualitas, Ambroxol HCL, Alerfed®, metode spektrofotometri- kemometrik.



ABSTRAK

The combination of the active substance Ambroxol HCl and Alerfed® in the dosage form pulveres is common prescribed for patients with respiratory disorders. This study aims to determine the quality of the pulveres preparation with the active substances Ambroxol and Alerfed® which was formulated at the "X" Type C Hospital in Semarang. This research is non-experimental research with a descriptive research design. The quality control of the compound preparations in this study included organoleptic tests, moisture content tests, fine grade tests, levels uniformity tests and assays using the combination chemometric-spectrophotometric method.

The results of the quality test of the combination of Ambroxol HCl and Alerfed®, namely the organoleptic showed that the powder coagulated on the seventh day of storage, the moisture content test with the results of the water content value $>5\%$, the content uniformity test based on the L1% and L2% values did not meet the acceptance value, fine degree test with an average particle size of $13,868 \mu\text{m}$, and the determination of levels of Ambroxol HCl 92.346%, Pseudoephedrine HCl 64.83388%, and Triprolidine HCl 92.77855%. The conclusion on the quality test of powder preparations that meet the requirements is the degree of fineness test. Quality tests that do not meet the requirements are organoleptic test, moisture content test, content uniformity test, and assay.

Keywords: Pulveres, quality control, Ambroxol HCl, Alerfed®, chemometric spectrophotometric method

