ABSTRAK

Sediaan kapsul racikan kombinasi asam folat, sertraline HCl, dan trifluoperazine HCl yang diracik di apotek "X" Yogyakarta, diresepkan untuk antidepresan. Penelitian ini bertujuan untuk mengetahui kualitas sediaan racikan kapsul pada ketiga zat aktif tersebut. Uji kualitas dilakukan untuk memastikan mutu dan keamanan sediaan racikan agar terapi pasien tercapai. Penelitian ini bersifat non eksperimental dengan rancangan penelitian deskriptif. Parameter uji kualitas yang dilakukan yaitu uji organoleptis yang dilakukan secara visual, uji keseragaman kandungan dilakukan menggunakan kombinasi metode spektrofotometri UV dengan analisis kemometrik yang dilengkapi pilihan regresi *Partial Least Square* (PLS), dan uji kandungan lembab menggunakan *moisture analyzer* dengan menghitung nilai persen *moisture content*.

Hasil penelitian pada uji kualitas sediaan kapsul racikan kombinasi asam folat, sertraline HCl dan trifluoperazine HCl di apotek "X" Yogyakarta menunjukkan bahwa uji kualitas yang telah memenuhi persyaratan meliputi uji organoleptis yaitu cangkang kapsul keras, warna serbuk dalam kapsul putih kekuningan, dan tidak berbau. Uji kandungan lembab hari ke-1 memenuhi persyaratan karena nilai %MC <5. Sedangkan uji kandungan lembab hari ke-7 dan hari ke-15 memiliki nilai %MC >5 belum memenuhi persyaratan, dan uji keseragaman kandungan pada sediaan racikan dengan ketiga zat aktif tersebut belum memenuhi syarat keseragaman kandungan berdasarkan nilai L1% dan L2% untuk 10 dan 30 unit sampel.

Kata kunci : kapsul, asam folat, sertraline HCl, trifluoperazine HCl, keseragaman kandungan, organoleptis, kandungan lembab

ABSTRACT

The capsules of a combination of folic acid, sertraline HCl, and trifluoperazine HCl, which were prepared at the pharmacy "X" Yogyakarta, were prescribed for antidepressants. This study aims to determine the quality of the capsule formulation of the three active substances. Quality tests are carried out to ensure the quality and safety of the compound preparations so that patient therapy is achieved. This research is non-experimental with a descriptive research design. The quality test parameters carried out were organoleptic tests carried out visually, content uniformity tests were carried out using a combination of UV spectrophotometric methods with chemometric analysis equipped with Partial Least Square (PLS) regression options, and moisture content tests using a moisture analyzer by calculating the percentage value of moisture content.

The results of the research on the quality test of the capsule preparation of a combination of folic acid, sertraline HCl and trifluoperazine HCl at the "X" Yogyakarta pharmacy showed that the quality tests that had met the requirements included organoleptic tests, namely hard capsule shell, yellowish white powder color in capsules, and no odor. The moisture content test on day 1 met the requirements because the %MC value was <5. While the moisture content test on the 7th day and the 15th day had a %MC value >5 that did not meet the requirements, and the content uniformity test on the compound preparation with the three active substances did not meet the content uniformity requirements based on the values of L1% and L2% for 10 and 30 sample units.

Keywords: capsules, folic acid, sertraline HCl, trifluoperazine HCl, content uniformity, organoleptic, moisture content