ABSTRAK

Khofifah, Nur. 2022. *Mutu Fisik dan pH Sediaan Sabun Padat Ekstrak Teh (Camellia Sinensis)*. Karya Tulis Ilmiah Akademi Farmasi Putra Indonesia Malang. Pembimbing Dr. Dr. Misgiati, A.Md., M.Pd.

Kata kunci : ekstrak teh, mutu fisik, pH, sabun padat

Tanaman Teh *(Camellia Sinensis)* banyak dibudidayakan oleh masyarakat di daerah Lumajang, Jawa Timur. Pada daerah tersebut masih belum banyak dilakukan pengolahan teh salah satunya sediaan sabun padat ekstrak teh. Penelitian ini bertujuan untuk mengetahui mutu fisik dan pH sabun padat ekstrak teh (*Camellia sinensis*). Penelitian ini termasuk deskriptif. Pembuatan ekstrak teh menggunakan metode maserasi dengan pelarut etanol 96%. Pembuatan sabun padat ekstrak teh dilakukan dengan mencampurkan larutan NaOH dengan campuran tiga minyak yaitu minyak kelapa, minyak sawit, minyak zaitun dan ekstrak teh sebagai bahan tambahan. Hasil sabun selanjutnya dilakukan uji mutu fisik dan pH. Hasil pengujian diperoleh organoleptis tekstur lembek, aroma khas teh, warna coklat kehitaman, hasil rata-rata uji kadar air diperoleh 11,48%, hasil rata-rata uji stabilitas busa 9,5cm, hasil rata-rata uji pH yaitu 9. Berdasarkan hasil penelitian dapat disimpulkan bahwa hasil evaluasi mutu fisik dan pH sediaan sabun padat ekstrak teh (*camellia sinensis*) mendapatkan hasil uji organoleptis yaitu bertekstur lembek, aroma khas teh, warna coklat kehitaman. Pengujian kadar air yaitu 11,48% sesuai dengan SNI 06-3532-1994. Stabiltas busa yaitu 9,5cm sesuai dengan jurnal Mopangga.,2021. Pengujian pH yaitu 9 sesuai dengan SNI 06-3532-1994.

ABSTRACT

Khofifah, Nur. 2022. *Physical Quality and pH Of Solid Soap Of Tea Extract* (*Camellia Sinensis)*. Scientific Writing of the Pharmacy Academy Putra Indonesia Malang. Advisor Dr. Misgiati, A.Md., M.Pd

Keywords: Tea Extract, Physical Quality, pH, Solid Soap

Tea plants *(Camellia Sinensis)* are widely cultivated by people in the Lumajang area, East Java. In this area there is still not much tea processing, one of which is the preparation of tea extract solid soap. This study aims to determine the physical quality and pH of tea extract *(Camellia sinensis)* solid soap. This research includes experimental. Making tea extract using maceration method with 96% ethanol as solvent. Making tea extract solid soap is done by mixing NaOH solution with a mixture of three oils, namely coconut oil, palm oil, olive oil and tea extract as additional ingredients. The results of the soap are then tested for physical quality and pH. The test results obtained organoleptic mushy texture, distinctive aroma of tea, blackish brown color, the average result of the water content test was 11.48%, the average result of the foam stability test was 9.5cm, the average result of the pH test was 9. Based on the results of the study, it can be concluded that the results of the evaluation of the physical quality and pH of the tea extract solid soap *(Camellia Sinensis)* obtained organoleptic test results, namely soft texture, distinctive tea aroma, blackish brown color according to the journal Agtalis.,2018. The water content test is 11.48% in accordance with SNI 06-3532-1994 The stability of the foam is 9.5 cm according to the journal mopangga., 2021. The pH test is 9 according to SNI 06-3532-1994