**FORMULASI DAN KARAKTERISASI SEDIAAN SAMPO ANTIKETOMBE EKSTRAK ETANOL DAUN KETEPENG CINA (*Cassia alata* L)TERHADAP*Malassezia furfur***

**ELVIN EVENDI AJP**

**NPM. 172114034**

ABSTRAK

Tumbuhan ketepeng cina (*Cassia alata* L) merupakan tanaman herbal yang banyak ditemukan di wilayah Indonesia seperti jawa, sumatra dan maluku. Secara empiris, ketepeng cina memilki khasiat yang telah menyembuhkan berbagai penyakit karena banyak masyarakat yang telah membuktikannya.

Penelitian ini bertujuan untuk mengetahui kandungan metabolit sekunder ekstrak daun ketepeng cina(*Cassia alata* L) , mutu fisik sediaan sampo ekstrak daun ketepeng cina(*Cassia alata* L) dan untuk mengetahui sediaan sampo ekstrak daun ketepeng cina (*Cassia alata* L*)* dengan berbagai konsentrasi memiliki daya hambat terhadap jamur *Malassezia furfur*.

Penelitian ini menggunakan metode eksperimental dengan uji skrining fitokimia.Uji mutu fisik sediaan sampo dilihat dari uji organoleptis, homogenitas, ph, tinggi busa, densitas, dan viskositas.Serta uji daya hambat menggunakan metode difusi *Kirby bauer*dengan berbagai konsentrasi yaitu 5% dan 10% terhadap *Malassezia furfur* yang telah diinokulasikan dan disuspensikan ke dalam NaCl 0,9%.

Hasil uji skrining fitokimia ekstrak daun ketepeng cina(*Cassia alata* L) memiliki kandungan alkaloid, falvonoid, steroid, saponin dan tanin. Hasil uji *Cycling test* sediaan sampo ekstrak etanol daun ketepeng cina(*Cassia alata* L) cukup stabil, dilihat dari organoleptis, homogenitas, pH, densitas, tinngi busa, dan viskositas.Uji daya hambat sediaan sampo ekstrak etanol daun ketepeng cina (*Cassia alata* L) yang diperoleh dari tiga kali pengulangan yaitu pada pengulangan 1,2,3 untuk F1 sebesar 19,5 mm, 20,5 mm, dan 20 mm. Sedangkan untuk F2 pada pengulangan 1,2,3 sebesar 22 mm, 22,5 mm, 23 mm. Menunjukkan bahwa kedua konsentrasi dapat menghambat pertumbuhan *Malassezia furfur.*

Kesimpulan ekstrak etanol daun ketepeng cina(*Cassia alata* L) memiliki aktivitas daya hambat jamur terhadap *malassezia furfur* yang sangat kuat*.*

***Kata kunci:****cycling test,*daun ketepeng cina, sampo antiketombe, *Malassezia furfur*

**THE FORMULATION AND CHARACTERIZATION OF PREPARATION OF ANTICHIBLE SHAMPOO**

**CHINESE LEAF’S ETHANOL EXTRACT**

**(*Cassia alata* L) ON *Malassezia furfur***

**ELVIN EVENDI AJP**

**NPM. 172114034**

*ABSTRACT*

The Chinese ketepeng plant (*Cassia alata* L) is an herbal plant that isfound in many parts of Indonesia such as Java, Sumatra and Maluku. Empirically, Chinese ketepeng has properties that have cured various diseases because many people have proven it.

The objective of this research was to determine the secondary metabolite content ofChinese ketepeng leaf extract (*Cassia alata* L), the physical quality of Chineseketepeng leaf extract shampoo preparation (*Cassia alata* L) and to determine whether the Chinese ketepeng leaf extract shampoo preparation (*Cassia alata* L) with various concentrations had an inhibitory power against *Malassezia furfur.*

This research used an experimental method with a phytochemical screening test. The physical quality test of shampoo preparation was seen from the organoleptic test, homogeneity, pH, foam height, density, and viscosity. As well as the inhibition test was using the *Kirby bauer* diffusion method with various concentrations, namely 5% and 10% against *Malassezia furfur* which had been inoculated and suspended into 0.9% NaCl.

The results of the phytochemical screening test of Chinese ketepeng leaf extract (*Cassia alata* L) contained alkaloids, falvonoids, steroids, saponins and tannins. The results of the cycling test for ethanol extract of Chinese ketepeng leaf (*Cassia alata* L) shampoo were quite stable, seen from the organoleptic,homogeneity, pH, density, foam level, and viscosity.Inhibition test of the ethanol extract of Chinese ketepeng leaves (*Cassia alata* L) shampoo was obtained from three repetitions, namely the 1,2,3 for F1 repetitions of 19.5 mm, 20.5 mm, and 20 mm. Whereas for F2 the repetitions of 1,2,3 was22 mm, 22.5 mm, 23 mm. Showed that both concentrations can inhibit the growth of Malassezia furfur.

The conclusion was that the ethanol extract of Chinese ketepeng leaves (*Cassia alata* L.) had a very strong inhibitory activity of fungi against *Malassezia furfur*.