**FORMULASI DAN UJI AKTIVITAS BEDAK ANTI PANU EKSTRAK ETANOL DAUN KETEPENG CINA *(Cassia alata* L*.)* TERHADAP *Malassezia furfur***

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**ABSTRAK**

Ketepeng cina (*Cassia alata* L.) berasal dari daerah tropis Amerika dan biasanya hidup pada dataran rendah sampai pegunungan dengan ketinggian 1.400 meter di atas permukaan laut. Ekstrak daun ketepeng cina digunakan sebagai bahan anti jamur karena mengandung senyawa-senyawa fitokimia berupa tanin, flavonoid, terpenoid, glikosida, steroid, dan terpenoid. Ekstrak etanol daun ketepeng cina juga menunjukkan adanya senyawa alkaloid, saponin, fenolik, dan quersetin. Tujuan penelitian ini dilakukan untuk mengetahui kandungan metabolit sekunder ekstrak etanol daun ketepeng cina dan untuk mengetahui apakah sediaan bedak ektrak etanol daun ketepeng cina dapat menghambat pertumbuhan jamur *Malassezia furfur.*

Penelitian ini memakai metode eksperimental, menggunakan ekstrak etanol daun ketepeng cina yang diformulasikan dalam bentuk sediaan bedak dengan berbagai konsentrasi yaitu 0% sebagai blanko, serta konsentrasi yang mengandung ekstrak 5% (F1) dan konsentrasi yang mengandung ekstrak 10% (F2). Pada karakteristik fisik dilakukan uji organoleptis, homogenitas, stabilitas, pH, daya lekat, derajat halus, iritasi, dan hedonik.

Hasil penelitian dapat disimpulkan bahwa ekstrak etanol daun ketepeng cina dapat diformulasikan menjadi sediaan bedak anti panu, dan hasil pengujian secara mikrobiologi didapat zona hambat pada F1 konsentrasi ekatrak 5% yaitu sebesar 18mm, F2 kosentrasi ekstrak 10% yaitu sebesar 21,75 mm, sedangkan pada F0 yaitu 0 mm karena hanya dijadikan kontrak negativ. Kesimpulan sediaan bedak ekstrak etanol daun ketepeng cina (*Cassia alata* L.) memiliki aktivitas antijamur untuk menghambat pertumbuhan *Malassezia furfur* serta memiliki karakteristik fisik sediaan yang baik.

Kata kunci : Ketepeng cina (*Cassia alata L*.), antipanu, *Malassezia furfur*

***FORMULATION AND ACTIVITY TESTING OF ANTI-FUNGAL POWDER MADE FROM ETHANOL EXTRACT OF SENNA ALATA/KETEPENG***

 ***CINA LEAVES (Cassia alata L.) AGAINST Malassezia furfur***

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***ABSTRACT***

*Ketepeng Cina (Cassia alata L.) come from tropical America and usually live in the lowlands to the mountains with an altitude of 1,400 meters above sea level. Ketepeng CIna leaves extract are used as an antifungal substance because it contains phytochemical compounds such as tannins, flavonoids, terpenoids, glycosides, steroids, and terpenoids. The ethanol extract of Ketepeng Cina leaves also showed the presence of alkaloids, saponins, phenolic compounds, and quercetin. The purpose of this research was to determine the secondary metabolite content of the ethanolic extract of the Ketepeng Cina leaves and to determine whether the ethanol extract of the Ketepeng Cina leaves powder could inhibit the growth of the fungus Malassezia furfur.*

*This research used an experimental method, using ethanol extract of Ketepeng Cina leaves which were formulated in powder propotions with various concentrations, namely 0% as a blank, and a concentration containing 5% extract (F1) and a concentration containing 10% extract (F2). The physical characteristics were tested for organoleptic, homogeneity, stability, pH, adhesion, smoothness, irritation, and hedonic tests.*

*The results of the research concluded was that the ethanolic extract of the Ketepeng Cina leaves could be formulated into anti-fungal powder preparations, and the results of microbiological testing showed that the inhibition zone at F1 was the 5% extract concentration, which was 18mm, F2 the extract concentration was 10%, which was 21.75 mm. F0 is 0 mm because it was only used as a negative contract. In conclusion, the ethanol extract of the Ketepeng Cina leaves (Cassia alata L.) powder preparation had antifungal activity to inhibit the growth of Malassezia furfur and had good physical characteristics of the preparation.*

***Keywords : ketepeng cina (Cassia alata L.), anti-fungal, Malassezia furfur***