

ABSTRAK

Masker serbuk merupakan masker yang paling awal populer dan memiliki banyak manfaat seperti menjadikan kulit lebih cerah dan menghaluskan. Amilum Lempuyang Gajah masih belum banyak dimanfaatkan sebagai bahan dasar kosmetik. Pada penelitian ini amilum lempuyang gajah telah melalui beberapa pengujian pendahuluan. Pengujian awal yang dilakukan yaitu Angka Lempeng Total (ALT) dengan hasil uji $0.79 \times 10^5 \pm 0.134$ koloni/g kemudian pengujian skrining fitokimia Amilum Lempuyang Gajah positif flavonoid. Masker serbuk dibuat dengan 3 konsentrasi formulasi yang berbeda yaitu FI (18%), FII (20%) dan FIII (22%). Berdasarkan hasil uji organoleptik ketiga formulasi berbentuk serbuk halus, berwarna putih kekuningan dan beraroma khas. Nilai pH masker Amilum Lempuyang Gajah sesuai dengan rentang pH kulit yang baik yaitu 4,5-6,5. Uji hedonik dilakukan pada 10 orang panelis dan dari ketiga masker yang diperoleh hasil formula terbaik yaitu masker Formulasi II. Uji stabilitas dilakukan selama 3 bulan dengan suhu penyimpanan oven 40°C , diperoleh hasil sediaan masker stabil selama penyimpanan dan nilai pH sediaan mengalami peningkatan. Hasil data pengujian hedonik dianalisis menggunakan SPSS metode *One Way ANOVA* memperoleh nilai signifikansi $>0,05$ sehingga data tersebut berdistribusi normal dan nilai homogenitas >0.05 sehingga data tersebut memiliki nilai yang homogen.

Kata Kunci : Masker serbuk, Amilum Lempuyang Gajah, Uji Stabilitas, Uji Hedonik

ABSTRACT

Powder masks are the earliest popular masks and have many benefits such as making the skin brighter and smoother. Lempuyang Gajah starch is still not widely used as a cosmetic base. In this study, lempuyang elephant starch has gone through several preliminary tests. The initial test carried out was the Total Plate Number (ALT) with the test results of $0.79 \times 10^5 \pm 0.134$ colonies/g then the phytochemical screening test of Lempuyang Gajah Amylum was positive for flavonoids. Powder masks were made with 3 different formulation concentrations, namely FI (18%), FII (20%) and FIII (22%). Based on the results of organoleptic tests, the three formulations were in the form of fine powder, yellowish white in color and characteristically flavored. The pH value of the Lempuyang Gajah Amylum mask corresponds to a good skin pH range of 4.5-6.5. The hedonic test was carried out on 10 panelists and from the three masks the best formula was obtained, namely the Formula II mask. The stability test was carried out for 3 months with an oven storage temperature of 40°C, the results of the mask preparation were stable during storage and the pH value of the preparation increased. The results of hedonic test data analyzed using SPSS One Way ANOVA method obtained a significance value > 0.05 so that the data was normally distributed and the homogeneity value was > 0.05 so that the data had a homogeneous value.

Keywords: Powder mask, Lempuyang Gajah starch, Stability Test, Hedonic Test