

ABSTRAK

PENGARUH CARBOPOL TERHADAP KARAKTERISTIK FISIK DALAM SEDIAAN MASKER *GEL PEEL-OFF* KOMBINASI EKSTRAK DAUN KELOR (*Moringa oleifera* Lam) DAN LIDAH BUAYA (*Aloe vera* L.) Alvina Eka Putri Damayanti

This study highlights the importance of maintaining facial skin health, which is prone to various issues due to exposure to sunlight, pollution, and free radicals. Skin problems such as acne, dark spots, and wrinkles can be prevented with the use of antioxidants, which can be obtained either naturally or synthetically. The focus of this research is on the utilization of moringa leaves (*Moringa oleifera* Lam) and aloe vera (*Aloe vera* L.) as natural ingredients for peel-off gel masks, with carbopol 940's role in influencing the physical characteristics of the formulation. Three formulas were created with varying concentrations of carbopol 940 (0.5%, 0.75%, and 1%). Statistical tests using SPSS indicated that all three mask formulas shared similar physical characteristics in terms of color, odor, shape, consistency, and homogeneity, though differences were noted in pH, spreadability, and drying time tests. Overall, all formulas met the specified criteria. Data analysis was conducted using the Shapiro-Wilk normality test, Levene's homogeneity test, Kruskal-Wallis test, and One-Way ANOVA, depending on the results of the normality and homogeneity tests. The organoleptic and homogeneity tests were conducted descriptively.