

**PENGARUH PENAMBAHAN GLISERIN TERHADAP MUTU
TINTA STEMPEL BERBAHAN DASAR
GAMBIR (*Uncaria gambir*, Roxb)**

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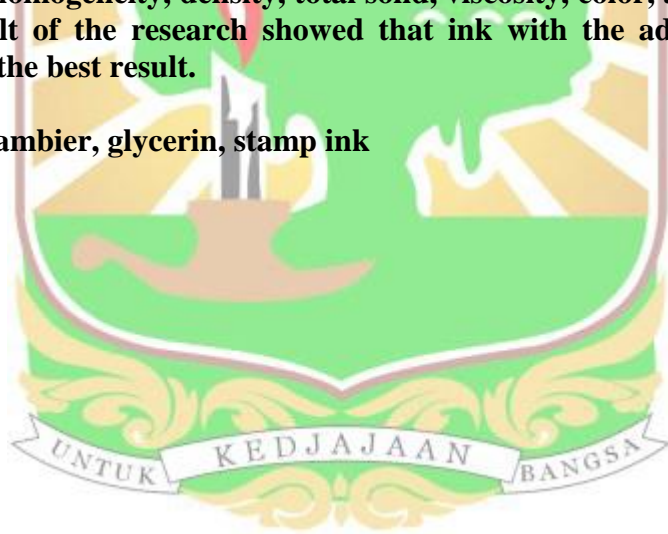
The Effect of glycerin addition to the quality stamp ink based gambier (*Uncaria gambir*, Roxb)

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ABSTRACT

This study aim to observe the effect of adding glycerin on the quality of stamp ink from gambier are generated and knew the amount of glycerin best to improve the quality of stamp ink based gambir. This research using Completely Randomized Design (RAL) with 5 treatments and 3 remedials. The treatment of this research is different persentation the addition of glycerin at 100 ml ink with treatment A (10%), B (12.5%), C (15%), D (17.5%) and E (20%). The observations made include observations of raw materials such as water, ash, catechin, tannin, water insoluble and levels of insoluble alcohol. While the observation on the quality of ink produced in the form of resistance to rubbing, water, alcohol, and sun light, then analysis of coagulation, homogeneity, density, total solid, viscosity, color, as time to dries up. The result of the research showed that ink with the addition of 10% glycerin give the best result.

Keywords : Gambier, glycerin, stamp ink



Pengaruh Penambahan Gliserin Terhadap Mutu Tinta Stempel Berbahan Dasar Gambir (*Uncaria gambir*, Roxb)

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan gliserin terhadap mutu tinta stempel berbahan baku gambir yang dihasilkan dan mengetahui jumlah gliserin terbaik yang digunakan untuk meningkatkan mutu tinta stempel berbahan baku gambir. Rancangan penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 5 perlakuan dan 3 ulangan. Perlakuan penelitian ini berupa perbedaan persentase penambahan gliserin pada 100 mL tinta dengan perlakuan A (10%), B (12,5%), C (15%), D (17,5%) dan E (20%). Pengamatan yang dilakukan diantaranya pengamatan bahan baku berupa kadar air, kadar abu, kadar katekin, kadar tanin, kadar bahan tak larut air dan kadar bahan tak larut alkohol. Pengamatan terhadap tinta yang dihasilkan berupa ketahanan terhadap gosokan, air, alkohol, dan matahari, lalu analisa penggumpalan, homogenitas, densitas, padatan total, viskositas, warna, serta waktu mengering. Hasil penelitian ini menunjukkan bahwa tinta dengan penambahan gliserin terbaik ada pada konsentrasi 10%.

Kata kunci: gambir, gliserin, tinta stempel

