

FORMULASI SABUN TRANSPARAN DENGAN BUBUK DAUN PANDAN WANGI (*Pandanus amaryllifolius* Roxb.)

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ABSTRACT

Abstract. *This study aims to: 1) determine the formulation of soap making from fragrant pandan leaf powder, 2) determine the characteristics of fragrant pandan leaf powder soap, and 3) determine the quality of soap (storage) from fragrant pandan leaf powder. The research method used is the Research and Development (R&D) model. The formulation of soap making from fragrant pandan leaf powder was carried out based on the results of research that resulted in the right formula, namely soap with good quality in accordance with SNI standards. Characteristics and quality of soap can be known from organoleptic and hedonic tests. The soap formula was added with fragrant pandan leaf powder with different concentrations of 0.5% (formula 1), 1% (formula 2) and 1.5% (formula 3). The characteristics and quality of the soap are known from the organoleptic and hedonic/preferred tests, namely 78% of respondents strongly agree with the soap having the aroma of fragrant pandan leaf powder, 58% of respondents strongly agree with the color of dark green soap, 53% of respondents strongly agree with the very smooth texture of the soap without There are grains, 50% of respondents strongly agree with the transparency of soap which can see objects up to <4 cm and the cleaning power of soap is very strong. The impression of respondents when using soap is 87% of respondents strongly agree with the impression of being moist, the impression of not being hot, which is 86%, 82% of respondents strongly agree with the soft impression, 80% of respondents strongly agree with the impression of the mat / not slippery, and 67% of respondents very agree with the foam power of the soap. The impression after using soap, 85% of respondents strongly agree that it is not irritating, 84% does not cause allergies, 77% is clean, 75% is fresh, 74% is moist, smooth and the mat/non-slippery is 67% respectively. Formula 1 to formula 3 gives homogeneous results. Formulas 1 to 3 have a pH that falls into the skin's pH range, which is 5.5 between pH 4.5 -5.5. The greatest antifungal activity was in formula 3 (1.5% pandan leaf powder content) with an inhibition zone diameter of 37 mm. This indicates that the greater the concentration of pandan leaf powder, the stronger the antifungal activity against *Aspergillus niger* and *C. albicans* fungi.*

Kata Kunci: *formulation, soap, pandan leaf powder*