

TRANSPARENT AROMATHERAPY SOAP FROM ESSENTIAL OILS OF RED GINGER (ZINGIBER OFFICINALE ROVB. VAR. RUBRA)

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ABSTRACT

Abstract. *This research aims to: 1) know the process of making transparent aromatherapy soap from essential oils of red ginger, 2) know the characteristics of transparent aromatherapy soap from essential oils of red ginger, and 3) to know the the analyze quality of transparent aromatherapy soap from essential oils of red ginger. Research method used Research and Development (R & D) model. The result of this research is a transparent aromatherapy soap from essential oils of red ginger which used subjective assesment shows > 75% respondent deal with soap has the aroma of red ginger , 60% soap has a light yellow color, 57,78% soap has a soft texture, 54,44% transparent soap with a thickness of 0.25 inches can see objects with a font size of 14 to a distance of 4 cm, 41,11% responden deal with soap has a very soft texture, 61,22% soap has foam. Impressions of respondents when use shows 94,44% deal with gentle in the skin, 78,89% not slippery, 78.61% not being hot and the lowest respond is 70% deal with moist in the skin. Impressions of respondents after use shows 90,56% have a smooth skin, 90,00% have a moist skin, hen respectively 86.25%, 87.50%, 87.78%, and 87.78% agree with the impression of being clean, fresh, not allergic, and not irritated, the lowest respond is 79.17% towards the impression mat / not slippery. The quality of soap is determined by physical and chemical properties, pH tests, and bacterial activity tests that meet the requirements of solid soap according to SNI 06-3532-1994. The water content of each is 21% in product 1, 15% in product 2, and 13% in product 3. The average percentage of water content of transparent soap of red ginger essential oil is 16.33%. The average of transparent soap pH is 10. The antibacterial activity of soap has a diameter of inhibitory zone of each product of 33 mm, product 2 of 28 mm, and product 3 of 34 mm. Diameter of inhibitory zone of red ginger essential oil (positive control) is 25 mm and X soap without red ginger essential oil(negative control) is 14 mm*

Kata Kunci: *transparent soap, aromatherapy, essential oils of red ginger*