

MAKING NATURAL ESSENTIAL OIL RED JAHE (ZINGIBER OFFICINALE ROVB. VAR RUBRA)

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ABSTRACT

Abstract. This research aims to: 1) know the process of making natural essential oil red ginger, 2) know the characteristics of natural ginger red essential oil, and 3) to know the natural content of red ginger oil. Research method used Research and Development (R & D) model. The technique of making essential oils using the method of steam distillation. The result of this research is red ginger essential oil with good quality and high purity, with result of 1022 gram of red ginger as much as 23 ml, 1000 gr red ginger 21 ml, and 1028 gram of red ginger as much as 23 ml. Organoleptic test results show the color of yellow essential oil is clear, strong / strong smell, and slightly spicy and slightly bitter. Red ginger essential oil dissolved completely in alcohol, with the specific gravity of 0.886, 0.887, and 0.887 and refractive index values of 1.480, 1.485, and 1.482, indicating that the essential oils produced have good quality and high purity. The main components of essential oils are E-Cital, Chempene, Cineole and Zingiberen. These results make it possible to develop red ginger essential oils as aromatherapy for the treatment and beauty treatments as well as the manufacture of beauty products.

Kata Kunci: essential oil, red ginger, natural, high quality