Paper 140 – Sciences

DEVELOPMENT OF WATERMELON RIND (CITRULLUS LANATUS) AS REJUVENATING AGENT

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ABSTRACT

Watermelon rind is known to be rich in some phytochemical compounds and has been reported to have antioxidant effects. However, there were limited studies conducted related to watermelon rind. Thus, this study was undertaken to determine the phytochemical content of watermelon (Citrullus lanatus) rind and develop a rejuvenating agent from the extracts for skin applications. The watermelon rind was dried using the Using the Commodity Heat Pump Drier. The dried powdered leaves were submitted to the Department of Science and Technology (DOST), the Philippines for phytochemical analysis. The phytochemical investigation of watermelon rind (Citrullus lanatus) indicates there is the presence of sterols, triterpenes, flavonoids, alkaloids, saponins, glycosides, and tannins. Based on these results, a rejuvenating agent was developed from the extracts. Further study should be conducted to determine the effectiveness of the rejuvenating agent developed from watermelon rind extracts.

Keywords: Rejuvenating Agent, Watermelon Rind, Phytochemical Content