

Ointment of Rosella Flower Petals Extract (*Hibiscus sabdariffa*): Pharmaceutical Preparations Formulation Development of Herbs for Antibacterial *S. aureus*

Authors : Muslihatus Syarifah

Abstract : Introduction: Rosella flower petals can be used as an antibacterial because it contains alkaloids, flavonoids, phenolics, and terpenoids) for the . Bacteria activity is *S. aureus* can cause skin infections and pengobatannya most appropriate use of topical preparations. Ointment is a topical preparation comprising the active substance and ointment base. Not all the base matches the active substances or any type of disease. In this study using flavonoid active substances contained in rosella flower petals (*Hibiscus sabdariffa*) to be made ointment by testing a variety of different bases in order to obtain a suitable basis for the formulation of ointment extract rosella flower petals. Methods: Experimental research with research methods Post test control group design using the ointment is hydrocarbon sample, absorption, leached water and dissolved water. Then tested for bacteria *S. aureus* with different concentrations of 1%, 2%, 4%, 8%, 16, 32%. Data were analyzed using One Way ANOVA followed by Post Hoc test. Results: Ointment with a hydrocarbon base, absorption, leached water and dissolved water having no change in physical properties during storage. Base affect the physical properties of an ointment that adhesion, dispersive power and pH. The physical properties of the ointment with different concentrations produce different physical properties including adhesion, dispersive power and pH. The higher the concentration the higher dispersive power, but the smaller the adhesion and pH. Conclusion: Differences bases, storage time, the concentration of the extract can affect the physical properties of the ointment. Concentration of extract in the ointment extract rosella flower petals is 32%.

Keywords : rosella, physical properties, ointments, antibacterial

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