ABSTRACT

EFFECT OF NaCl CONCENTRATION ON CHARACTERISTICS OF SPECIFIC OF GRAVITY AND VISCOSITY OF SOAP AND SHAMPOO PREPARATIONS

Niniek Indriati

Soap and shampoo are the oldest cosmetics known to man. This material is widely used in aspects of human life. Facial cleansing soap is a cleanser that is not only useful for cleaning dead skin cells, dirt, oil and cosmetics but is the first step in daily care. While shampoo is a cosmetic cosmetic cleanser that is useful for cleaning the scalp and hair and various adhering dirt.Thickeners have an important role in improving the quality of soap and shampoo preparations. The material used is NaCl. The addition of salt is adjusted to the composition of the material as well as the concentration and viscosity used. In this study, a literature review was carried out using an online database, namely Google Scholar. By typing the key sentence NaCl concentration on the characteristics of specific gravity and viscosity of soap and shampoo preparations. The search field found a total of twelve articles. After downloading the manuscript according to the inclusion criteria, one of the results can be accessed (open access) and in full text and the results obtained on Google Scholar are three articles. From the results of the second article, it was obtained that the concentration of NaCl was higher than the first article but the resulting viscosity was lower. This happens because the decrease in viscosity due to an increase in the ratio of water / soap because the viscosity is affected by the water content in the soap, the lower the viscosity. From the results of the third article, it can be obtained the results of the relationship between specific gravity and viscosity because viscosity is directly proportional to specific gravity because the greater the viscosity of a substance, the greater the specific gravity. Based on the three articles above, it can be concluded that the addition of NaCl concentration has a significant effect on increasing the viscosity response of soap and shampoo preparations

***Keyword** : Soap, Shampoo, Viscocity, NaCl salt*