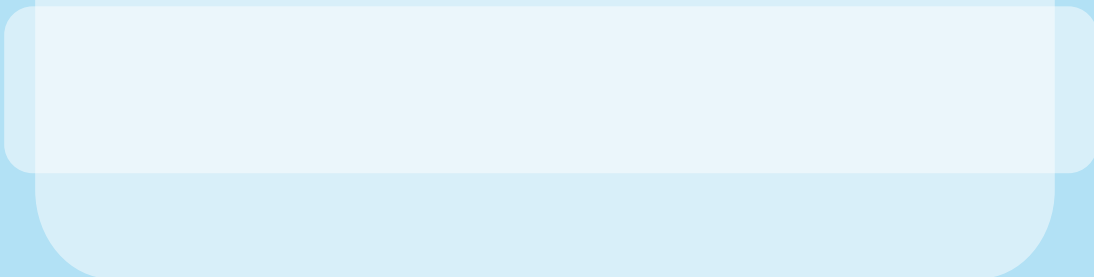


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FORMULASI EMULSI GANDA *VIRGIN COCONUT OIL* (VCO) DENGAN EMULGATOR SPAN 80 DAN TWEEN 60

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ABSTRACT

Virgin Cocunut Oil (VCO) is a pure coconut oil, it has many advantages in health. It has been circulated in market with unpleasant taste. Therefor, an innovation to find an acceptable formula by consumer should be carried out. The aimed of this research is to find out the influence of mix emulsifier toward physical stability of emulsion. Multiple emulsions w/o/w were made by mix Span 80 with variation concentration 20%, 15%, 10%, and Tween 80. In order to know the physical stability of emulsion w/o/w should be carried out viscosity test, separation in room temperature, separation at 40°C, separation due to centrifugation, *creaming* volume, paticle size, homogenity for 4 weeks storage, and respondent survey with 20 person. The test result for 3 formulation emulsion for 4 weeks storage showed that formulation are not homogeneous, but arter the formulas were shaken, it become homogeneous. In various concentration of Span 80, the longer preperations were storage the higher volume sedimentation and viscosity. Moreover, the longer preparations were storage, *creaming* volume and particle size decrease. Emulsifier combination between Span 80 with variation concentration 20%, 15%, 10%, and tween 60 in multiple emulsion w/o/w influenced physical stability multiple emulsi w/o/w. Moreover, this formulation also would be pleasant by konsumen.

Keywords: Multiple emulsion w/o/w, Span 80, Tween 60, Virgin Coconut Oil