

ABSTRAK

Susu nabati jagung manis memiliki beberapa kandungan yang bagus untuk kulit seperti vitamin dan prokaroten yang dapat digunakan untuk menangkal radikal bebas, mencegah penuaan dini dan memperbaiki struktur kulit sehingga berpotensi untuk dijadikan sebagai sediaan *milk cleanser*. Tujuan dari penelitian ini adalah mengetahui perbedaan kualitas pada sediaan *milk cleanser* dari olahan susu jagung manis berdasarkan lama waktu perebusan jagung manis dan komposisi bubur jagung manis. Penelitian dilakukan secara praeksperimental berupa Rancangan Acak Lengkap (RAL) Faktorial dengan variasi waktu perebusan dan variasi komposisi bubur jagung manis dengan air. Evaluasi yang dilakukan pada kualitas susu meliputi rendemen susu jagung, uji organoleptik, uji kadar air, uji kadar karbohidrat, dan uji kadar protein sedangkan pada sediaan *milk cleanser* yaitu uji organoleptik, uji pH, uji viskositas. Hasil yang didapat dari penelitian ini yaitu kadar rendemen tertinggi pada susu jagung manis yaitu 96,81% dan kadar rendemen terendah yaitu 85,99%, dengan organoleptik susu jagung manis yaitu berwarna kuning dengan tekstur cair dan Sebagian besar memiliki bau lemah, kadar air tertinggi pada susu jagung manis adalah 95% dan terendah yaitu 90%, pada uji protein kadar tertinggi yaitu 9,10% dan terendah yaitu 3,02%, kadar karbohidrat tertinggi adalah 10,43% dan kadar terendah yaitu 2,32%. Sedangkan pada sediaan *milk cleanser* dari olahan susu jagung manis memiliki organoleptik warna putih agak kekuningan, dengan aroma yang lemah dan bertekstur kental seperti *cream*, yang memiliki nilai viskositas terendah yaitu 7.191 cP dan viskositas tertinggi yaitu 12.482 cP, dengan kadar pH terendah 4,88 dan pH tertinggi yaitu 5,83. Dari hasil yang telah didapat disimpulkan bahwa pada penelitian ini terdapat perbedaan pada kualitas sediaan *milk cleanser* dari olahan susu jagung manis berdasarkan lama waktu perebusan jagung manis dan komposisi bubur jagung manis dengan air.

Kata Kunci: *milk cleanser*, susu, jagung manis.

ABSTRACT

Sweet corn vegetable milk has several ingredients that are good for the skin such as vitamins and pro-carotene that can be used to ward off free radicals, prevent premature aging and improve skin structure so that it has the potential to be used as a milk cleanser preparation. The purpose of this study was to determine the difference in quality in milk cleanser preparations from processed sweet corn milk based on the length of boiling time of sweet corn and the composition of sweet corn grits. The study was conducted pre-experimentally in the form of a Factorial Complete Randomized Design (RAL) with variations in boiling time and variations in the composition of sweet grits with water. The evaluation carried out on milk quality includes corn milk amendments, organoleptic tests, water content tests, carbohydrate content tests, and protein content tests while in milk cleanser preparations, namely organoleptic tests, pH tests, viscosity tests. The results obtained from this study were the highest yield content in sweet corn milk, which was 96.81% and the lowest yield content was 85.99%, with organoleptic sweet corn milk, which is yellow with a liquid texture and most of it has a weak odor, the highest moisture content in sweet corn milk is 95% and the lowest is 90%, in the protein test the highest content is 9.10% and the lowest is 3.02%, the highest carbohydrate content is 10.43% and the lowest content is 2.32%. Meanwhile, the milk cleanser preparation from processed sweet corn milk has a slightly yellowish white organoleptic color, with a weak aroma and thick texture like cream, which has the lowest viscosity value of 7,191 cP and the highest viscosity of 12,482 cP, with the lowest pH content of 4.88 and the highest pH of 5.83. From the results that have been obtained, it is concluded that in this study there are differences in the quality of milk cleanser preparations from processed sweet corn milk based on the length of boiling time of sweet corn and the composition of sweet corn grits with water.

Keywords: *milk cleanser, milk, sweet corn.*