

Thunyaluk Srisamran 2012: Development of Cleansing Lotion with Rice Bran Oil:

The Riceberry. Master of Science (Agro-Industrial Product Development), Major Field:
Agro-Industrial Product Development, Department of Product Development.

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The objective of this research was to develop cleansing lotion with rice bran oil: The Riceberry. Result from commercial products survey in Bangkok during June - July 2010 showed that products survey of 22 brands of 25 products divided into 11 products of lotion, 6 products of milk, 5 products of oil, 2 products of gel and 1 product of cream. Result from survey of behavior and consumer demand to make the product concept indicated that cleansing lotion with rice bran oil: The Riceberry with natural ingredients cold-pressed extracted. This product enriched with Vitamin E and Oryzanol which make reduce wrinkle and moisture to skin, yellow soft of lotion, mild fragrance of rice, to remove dirt and cosmetics, ease to wipe out. It was used by rub onto the face and wipe out before regularly face wash, packed in plastic pump bottle sizes 200 to 250 ml for sale 201-300 baht. Rice bran oil (RBO) : The Riceberry had L* a* b* 59.11, 13.97 and 97.52, high in unsaturated fatty acid about 71%, α -tocopherol 29.95 mg/100 g, Oxidation stability index (OSI) 18.47 h., efficiency for antioxidant (SC₅₀) 20.69 mg/ml, respectively. It was used in basic formula and it was found that the selected formula should be improved by increasing the viscosity. The final formula contained 0.37% Simulgel EG, 4% DUB diol, 3.70% RBO The Riceberry and 0.10% Rice & Cotton flavor, respectively. The final product was pale yellow with L* a* b* of 87.07, -1.15 and 12.18, viscosity 3090 cP, pH 6.46, respectively. Total raw material cost of cleansing lotion with rice bran oil was 59.90 baht/bottle (200 ml). The consumer test showed that 95.33 % of consumers accepted the product, 92% of consumer interested to buy product and the overall liking was like very much.

Student's signature

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