

Kaffir Lime Shampoo

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Abstract: Kaffir Lime Shampoo is innovated based on hair and scalp problems faced by almost every woman in Malaysia such as itchy scalp, dandruff and hair loss. By using kaffir lime essence which has many efficacies in addition to fresh smell, easily available at a cheaper price and more environmentally friendly. This shampoo consists of 80% essential oil of lime which has concentrated liquid texture with a fresh scent. Produced homemade with the main natural ingredients, namely kaffir lime essence extract, mint leaves extract and glycerin produced without the use of chemicals. Vitamin pro B5 is used as an additive to soften hair while reducing hair loss. This shampoo is able to restore smelly and itchy scalp to come back fresh, overcome various hair problems and treat the scalp at the lower cost. Kaffir Lime Shampoo is a combination of three function in one product, namely cleansing and removing dandruff, treating and refreshing. The production of this shampoo includes questionnaire methods to obtain information and feedback, population and sampling as well as research instruments. This can ensure the level of effectiveness of the shampoo in solving hair and scalp problems. Customers feedback are very good. It can raise awareness on benefits and safe use of natural ingredients. Product development such as logo sketches, stickers, packaging, design and size to make it more attractive and easier for travelling, analysis of materials used and cost estimates are made in detail. Kaffir Lime Shampoo is an innovation to existing products. In addition to fruit of kaffir lime, it's leaves can also be commercialized to treat hair as a shampoo and hair tonic if scientific research is done. This innovation product is more environmentally friendly and able to maximize the potential of kaffir lime in beauty and health products.

Keywords: beauty & health; awareness; natural.



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1. INTRODUCTION

Clean and soft hair is a priority in beauty and personal health. In view of the problem of itchy scalp, dandruff and hair loss faced by every woman in Malaysia, Kaffir Lime Shampoo is innovated by using kaffir lime essence as the main ingredient, apart from mint leaves and glycerin. Thus, the use of kaffir lime whose potential is unknown, has been successfully proven as a natural ingredient that is safe, effective in hair care and easily available at a cheaper cost. The advantage of kaffir lime has given awareness to women about the importance of maintaining healthy hair and scalp using shampoo based

on organic ingredients compared to modern products on the market. Kaffir Lime Shampoo is more environmentally friendly.

2. METHOD & MATERIAL

Clean and soft hair is a priority in beauty and personal health. Itchy scalp, dandruff and hair loss are faced by almost every Woman. 'Kaffir lime shampoo' is innovated by using the main natural ingredient, which is kaffir lime essence which has many efficacies in addition to a fresh smell, easily available at a cheaper price and more environmentally friendly.

The production of this shampoo and effectiveness is analyzed through interviews and questionnaire methods to obtain information and feedback, population and sampling as well as research instruments. From the data obtained, a summary of effectiveness and suggestions for improvement are made. Product development such as logo sketches, stickers, packaging design and size to make it more attractive and easier for travelling, analysis of materials used and cost estimates are made in detail.

Kaffir Lime Shampoo's main ingredients were lime essence extract, mint leaves extract and glycerine as a natural source. In addition, Pro-vitamin B5, foam booster, pearling agent, KD, EDTA, SLES/N70, Fincon HGHC and natural water.

The Kaffir Lime Shampoo making starts with adding natural water, EDTA, SLES/N70, glycerine, fincon HGHC, foam booster, pearling agent and stir until combined. Then mix stir them using hand mixer with extract kaffir lime essence, extract mint leaves and pro-vitamin B5.

3. FINDINGS

The overall percentage of respondents knowing about shampoo based of kaffir lime is good because it is based on natural ingredients. There were 55.9% who strongly agreed, 26.5% agreed and 17.7% moderately agreed. Respondents that know the effectiveness of Kaffir Lime Shampoo, 32.4% are strongly agreed, 41.2% agreed while 26.5% moderately agreed.

Respondents who are knowing shampoo that contains essence from natural ingredients more suitable compared to products containing chemical, there are 52.9% strongly agreed, 32.4% agreed and 14.7% moderately agreed. Respondents preferred to choose and buy products based on natural ingredients because the price cheaper. There are 50% strongly agreed, 32.4% agreed and 17.6% moderately agreed.

By introducing Kaffir Lime Shampoo, it will able to increase the public's interest and knowledge in the benefits of hair care products based on natural ingredients.



Figure 1. Kaffir Lime Shampoo

4. DISCUSSION

Kaffir lime (*Citrus hystrix* DC) is a type of plant from the citrus group but it is also categorized as a herb. It is an unpopular and little known ingredient that has the natural potential to be used in women's hair care. The skin of the kaffir lime has kaffir lime essential oil content of approximately 80%. Other compounds found in kaffir lime essential oil are limonene and B-pinene.

Kaffir lime Shampoo helps restore the smelly and itchy scalp to return to freshness. Then it can remove dandruff and perfumes the hair naturally. Kaffir Lime Shampoo is produced to ensure its level of effectiveness in solving hair and scalp problems. It can also increase awareness of the use of natural materials that are safe and more environmentally friendly, easy to use and a cheaper cost.

In order to commercialized Kaffir Lime Shampoo to treat hair as a shampoo and hair tonic in future, the scientific research must be done and make user are more confident in the effectiveness of the product.

5. CONCLUSION

The finding of the study can be concluded that Kaffir Lime Shampoo have a positive impact on women in overcoming hair and scalp problems. It is able to overcome hair problems and treat dandruff by a natural ingredient that has many benefits in addition to a fresh smell, easy to use and cheaper.

Acknowledgments: Thank you to all the lecturers of the cosmetology programme for their help, support and guidance in the implementation of this project.

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