

Skin Magic 2 in 1 Cooling Lotion

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Abstract: Skin Magic Cooling 2 in 1 Lotion using Gelenggang leaves extract is our final year project. It matches the One Health Concept; suitable for humans, animals and the environment. Gelenggang tree is a unique natural ingredient which grows wild in Malaysia. The active ingredient in Gelenggang leaves, containing 2.5%anthraquinone glucosides with a rate of 2.5 percent is very effective in overcoming problems of skin diseases and itching where it acts as an inhibitor to the growth of skin fungi, mite infestation or micro bacterial growth. This study explains the effectiveness of lotion based on Gelenggang leaves among teenagers and adults on the natural beauty of the face and body through three aspects. Firstly, to identify whether the lotion can help reduce skin problems such as ringworm, itching, eczema, nourishing the skin and other skin problems. Secondly, to identify the level of product effectiveness through quality, organic and affordable product. Lastly, to get the analysis of the level of user acceptance of this product to treat skin problems by helping teenagers raise awareness of skin problems and solutions to overcome. Pearl Glow is pigment that imparts a deep satiny luster that has good skin adhesion and coverage, and a soft silky feel. Besides, Allantoin acts as an emollient that can keep the skin moist and prevent dryness and irritation whereas Vitamin E that is rich in antioxidants works to protect the skin from exposure to harmful sunlight that can potentially damage the skin. Menthol Crystal gives cooling sensation and therapeutic properties and Aloe Vera extract is for hydrating, soothing and refreshing for the skin. Hyaluronic acid helps maintain elasticity and collagen in the skin. Titanium oxide is a natural substance that can immediately protect the skin from UVA and UVB. This product can be scientifically commercialized to curb the spread of infectious diseases caused by fungal infections and tick bites that cause rashes, boils and blind sores. It is natural, easy to obtain and the low- production cost. It is very stable to heat, environment and ambient temperature, eco-friendly and biodegradable production.

Keywords: lotion; Gelenggang leaves; effectiveness; extract; skin problems



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1. INTRODUCTION

Skin Magic Cooling 2 in 1 Lotion using Gelenggang leaves extract is our final year project. It matches the One Health Concept; suitable for humans, animals and the environment. Gelenggang tree is a unique natural ingredient which grows wild in Malaysia. The active ingredient in Gelenggang leaves, containing 2.5%anthraquinone glucosides with a rate of 2.5 percent is very effective in overcoming problems of skin diseases and itching where it acts as an inhibitor to the growth of skin

fungi, mite infestation or micro bacterial growth. This study explains the effectiveness of lotion based on Gelenggang leaves among teenagers and adults on the natural beauty of the face and body.

2. METHOD & MATERIAL



Figure 1. Material

This Skin Magic 2 in 1 Cooling Lotion is produced by 'homemade' technique. In Figure 1, there are Gelenggang Oil extract, Aloe Vera extract, Pearl Powder, Titanium Oxide (SPF 30), HA Solution, Argan Oil, Lotion Base with Allantoin and Vitamin E Oil, Mentol Crystal and Promaganate Oil as Frangrance. Mix all the ingredients one by one according to the predetermined measurements and stir until well combined. Figure 2 show the flow chart about the method in using to study the the effectiveness of 2 in 1 cooling lotion based on Gelenggang leaves among teenagers and adults on the natural beauty of the face and body.

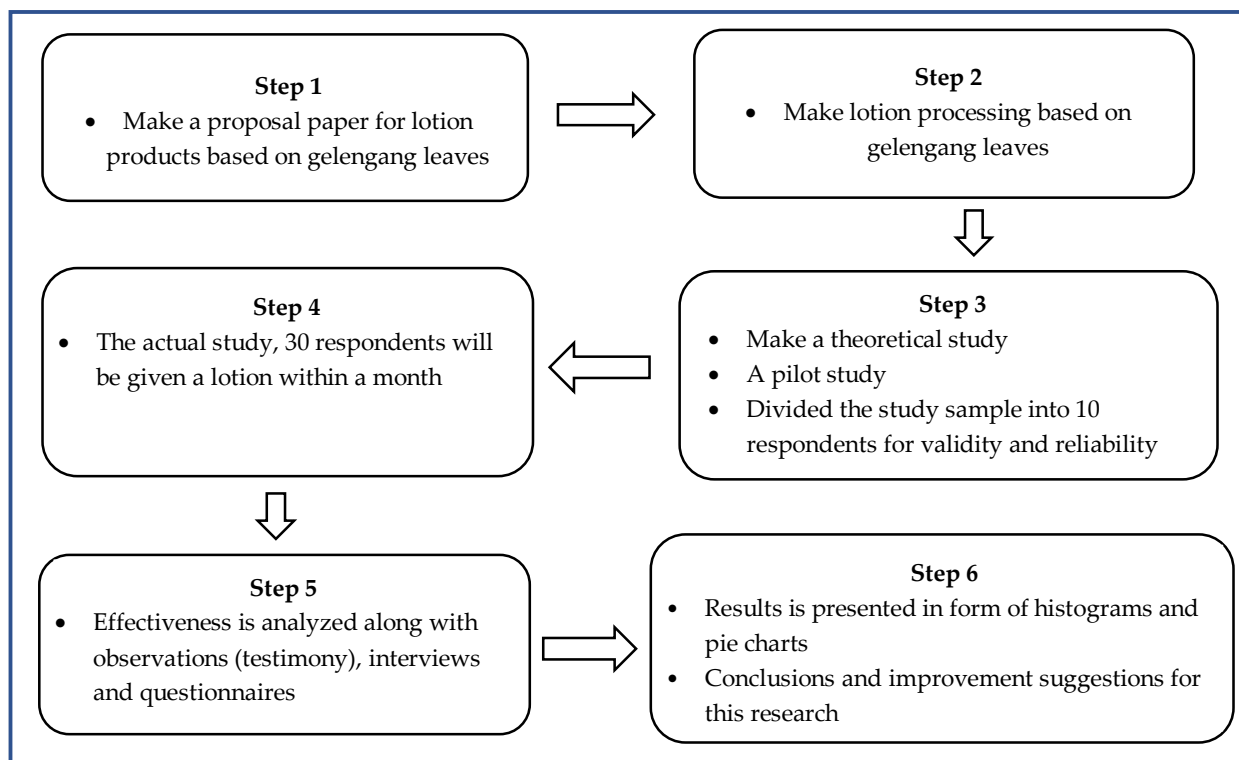


Figure 2. Method

Pearl glow is pigment that imparts a deep satiny luster that has good skin adhesion and coverage, and a soft silky feel. Besides, allantoin acts as an emollient that can keep the skin moist and prevent dryness and irritation whereas vitamin e that is rich in antioxidants works to protect the skin from exposure to harmful sunlight that can potentially damage the skin. Menthol crystal gives cooling sensation and therapeutic properties and aloe vera extract is for hydrating, soothing and refreshing for the skin. Hyaluronic acid helps maintain elasticity and collagen in the skin. Titanium dioxide is a natural substance that can immediately protect the skin from UVSA and UVB.

3. FINDINGS

Firstly, to identify whether the lotion can help reduce skin problems such as ringworm, itching, eczema, nourishing the skin and other skin problems. Secondly, to identify the level of product effectiveness through quality, organic and affordable product. Lastly, to get the analysis of the level of user acceptance of this product to treat skin problems by helping teenagers raise awareness of skin problems and solutions to overcome. The effectiveness of aromatherapy is analyzed through observations (testimony or feedbacks), interviews and questionnaires. An effectiveness study was conducted on 30 respondents among teenagers and adults around the district of Kota Bharu and Bachok, Kelantan.

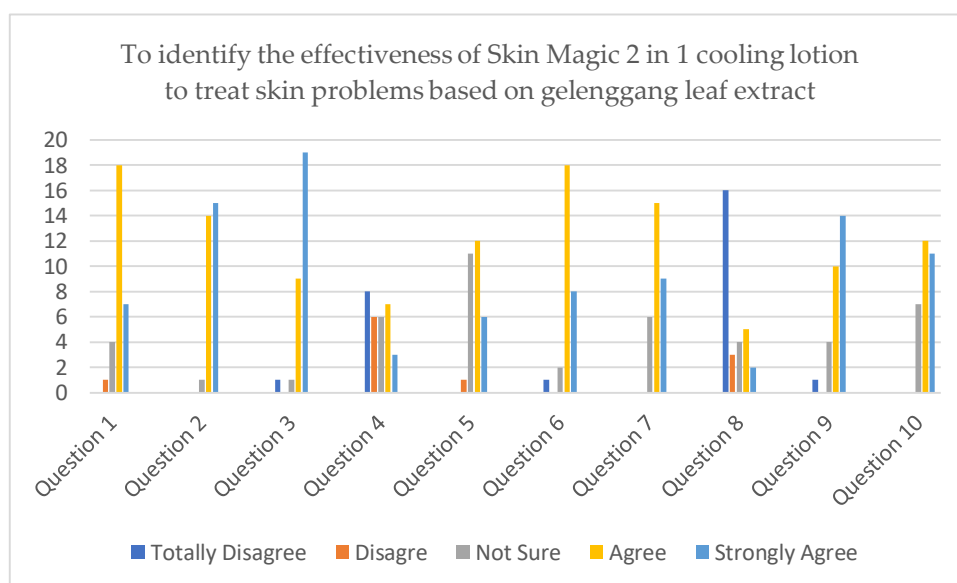


Figure 3. Identify the effectiveness of Skin Magic 2 in 1 cooling lotion to treat skin problems

In Figure 3, the graph shows the number of respondents who know to identify the effectiveness of Skin Magic 2 in 1 cooling lotion to treat skin problems based on Gelenggang leaf extract. The questions are:

- Question 1: I feel my skin problems have improved after using this product.
- Question 2: I am comfortable with the scent of this lotion.
- Question 3: This product is not sticky and easily absorbed by the skin.
- Question 4: I find the coldness of this lotion too cold / windy and uncomfortable.
- Question 5: This lotion is so effective in protecting my skin from the sun.
- Question 6: The skin becomes less itchy after using Skin Magic lotion based on gelenggang leaves.
- Question 7: My skin problems are reduced after using Skin Magic lotion based on gelenggang leaves.
- Question 8: The use of Skin Magic lotion based on gelenggang leaf makes my skin problems spread to other parts of the body.

Question 9: The skin of the body and face does not show any negative changes after stopping using Skin Magic lotion based on gelengang leaves.

Question 10: I would like to make the skin magic lotion based on the leaves of galangal as my daily care

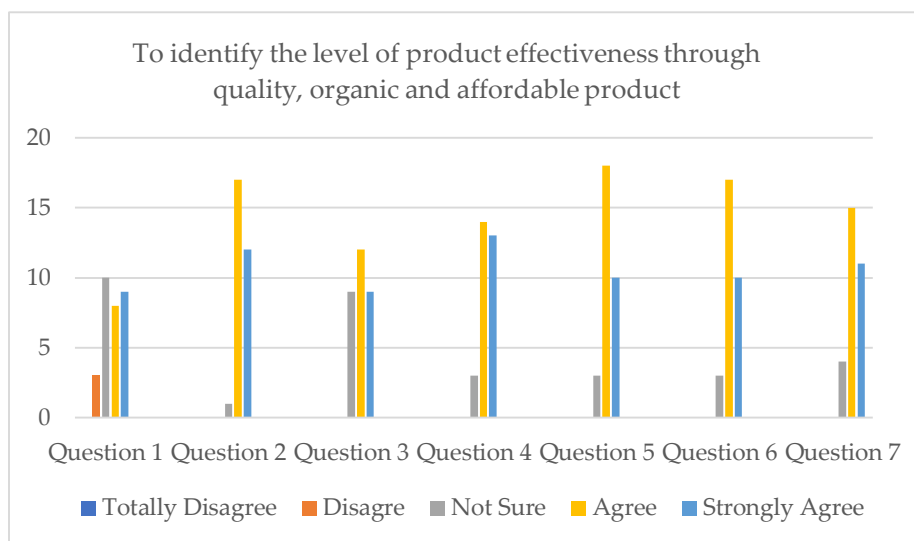


Figure 4. Identify the level of product effectiveness through quality, organic and affordable product

In Figure 4, the graph shows the number of respondents who know to identify the level of product effectiveness through quality, organic and affordable product. The questions are:

Question 1: The cost of the product produced is low and affordable product because it uses organic ingredients such as gelengang leaves and aloe vera.

Question 2: The use of lotions made from natural ingredients gives more confidence to use.

Question 3: The biologically produced gelengang leaf based lotion is my priority.

Question 4: The content of natural ingredients such as gelengang leaves helps to overcome the itching/inflammation on my skin.

Question 5: The content of natural ingredients such as aloe vera can help moisturize the skin and treat my skin problems.

Question 6: Lotions containing organic ingredients can improve the quality of skin health.

Question 7: Lotions that have high levels of vitamin E can help keep my skin moisturized.

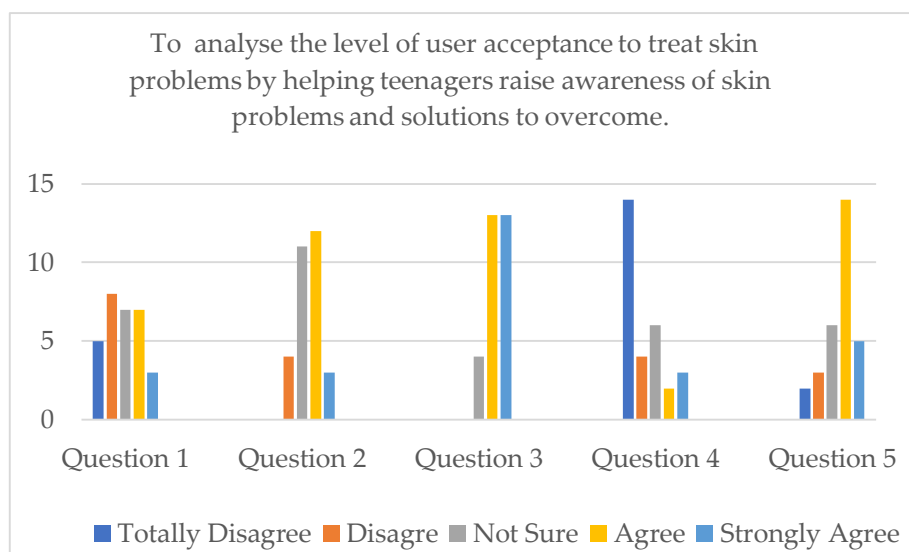


Figure 5. The level of user acceptance

In Figure 5, the graph shows the number of respondents, to analyse the level of user acceptance of this product to treat skin problems by helping teenagers raise awareness of skin problems and solutions to overcome. The questions are:

Question 1: I used skin magic body lotion without knowing what it contained.

Question 2: The production of skin magic lotion products based on gelengang leaves requires a low cost.

Question 3: I know the existence of Skin Magic lotion based on gelengang leaf is a good product to use.

Question 4: I have used gelengang leaf based lotion before.

Question 5: I use the Skin Magic lotion based on gelengang leaves as an additional product in face and body care.

4. DISCUSSION

Natural materials are materials based on plant, animal or mineral sources without undergoing any chemical process or containing any chemical compounds. It is usually added to a cosmetic and personal care product and serves as the main ingredient in the product. Example Gelanggang Oil and aloe vera extract. So, this lotion is natural, easy to obtain and the low- production cost. It is very stable to heat, environment and ambient temperature, eco-friendly and biodegradable production. Other than that, the packaging of it more travelling friendly. It also helps emolliate all skin types. It is rich in vitamin E and vitamin C for healthy skin.

Among the main benefits of aloe vera (aloe vera) on the skin is that it helps soothe and hydrate the skin, effectively moisturizes the skin, fades stretch marks, prevents aging. Vitamin E is a skin vitamin rich in antioxidants. It also works to protect the skin from exposure to harmful sunlight that can potentially damage the skin. Other than that, black spots and wrinkles on the face and body can be prevented from appearing. It is beneficial to maintain moisture and prevent dry skin. The function of Pearl powder is to brighten the skin, shrink pores and pores, help remove dead skin cells, prevent acne and freckles, brighten the skin, protect against UV rays and also prevent aging too. Titanium oxide is a natural substance that can protect the skin from UVA and UVB, immediately after use. Some studies also prove that it is more durable in protecting the skin under the scorching sun. Argan oil also works to moisturize dry skin and make the skin moister. Besides to moisturize the skin, it also works to brighten the skin, rich in antioxidants, remove scars, reduce wrinkles, reduce acne and overcome acne problems. Besides, Allantoin acts as an emollient that can keep the skin moist and prevent dryness and irritation. Hyaluronic acid helps maintain elasticity and collagen in the skin. Lastly, Menthol Crystal gives cooling sensation and therapeutic properties/

Consistent use helps reduce skin problems such as dry skin, stretch marks, sunburn, rashes and acne on the body. Free chemical lotion homemade is natural and directly giving the knowledge or education for community to choose the free chemical product. It is biodegradable product and eco-friendly. The commercial value is it is user friendly and can be scientifically commercialized to curb the spread of infectious diseases caused by fungal infections and tick bites that cause rashes, boils and blind sores.



Figure 6. User has an itchy skin problem on his legs. After using this lotion, it is no longer itchy and has a good effect such as the redness is decreasing.

In Figure 6, it is a testimony or feedbacks of the effectiveness of lotion based on Gelenggang leaves extract on body skin problems.

5. CONCLUSION

Overall, the results of testimonials and questionnaires on the effectiveness of this product can be used as a yardstick for the level of effectiveness of using Gelenggang leaves extract-based on lotion against skin problems among men and women in District, Kota Bharu and Bachok, Kelantan. This study was done on 30 respondents. The use of this lotion can give exposure to all groups of men and women about the benefits of Gelenggang leaves extract for skin problems.

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