

Orange Peel Toner

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Abstract: *Playing outdoor is fun and healthy but too much of sun exposure to the skin will cause skin tanned. During Covid -19 (MCO) movement order control time, people can't purchase any skin products online or offline. Furthermore, available skin products in market not only pricey but with chemicals which harms skin. Due to this problem, explored and gather information ways to solve skin tans and acne from available items in the home by naturally. As googled which vitamin good for tan removal. There found answers Vitamin C and Vitamin E easily can get from fruits. After numerous research in it we have chosen available fruits at home and easily can get fruits at all timing takes place. From there the selection of Oranges and lemons look over and found that oranges are rich in vitamin C compare to lemons. Everyone have different types of skin so, we research more how to suits these products to all types of skin and herbal products from kitchen such as star anise and cinnamon can play a huge role in combination with Vitamin C and E shows amazing result after usage of it for about 1- 2 weeks. This product is reducing fruit skin wastage and valorize orange peel into toner to human skin which is organic product which helps school kids to adults. This toner is cheaper and affordable price though gives glowing skin naturally.*

Keywords: *Skin Tanned; Vitamin C; vitamin E; orange peel.*



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1. INTRODUCTION

The orange peels are rich in fibre, Vitamin C, folate, vitamin B6, calcium and other essential nutrients. The orange peel controls melanin synthesis and has an exfoliating effect that helps remove skin tan effectively and brightens skin tone. The Vitamin C and antioxidants present in orange peel helps smooth the skin texture and acting as a natural cleanser to fight against free radicals and thus keep premature aging at bay. Antimicrobial properties which make it great for treating acne and oily skin. It also works as a skin lightening agent and can do wonders for marks on the face, pigmentation, dark spots and blemishes.

Vitamin E is an essential nutrient that plays an important role in keeping your skin looking healthy and vibrant. It is often referred to as the “Underrated Vitamin” because of its numerous benefits, which include reducing inflammation, fighting free radicals, and promoting collagen production. Vitamin E can also help protect against sun damage and reduce the appearance of wrinkles. Additionally, it has been found to aid in healing wounds and preventing scarring.

Vitamin E has moisturising benefits and can help keep your skin feeling hydrated for longer. It helps to lock in moisture and prevent dryness, while also providing protection against environmental aggressors such as pollution. As a fat-soluble vitamin, it also preserves the lipids (fats) in your face, leaving you with plumper looking skin. Vitamin E can be used on all skin types and is especially beneficial for those with dry or sensitive skin. Ferulic acid is a potent ubiquitous plant antioxidant. Inhibition of apoptosis was associated with reduced induction of caspase-3 and caspase-7. This combination of pure natural low molecular weight antioxidants provides meaningful synergistic protection against oxidative stress in skin and should be useful for protection against photoaging and skin cancer.

Cinnamon contains the compound eugenol 3.11% and cinnamaldehyde and coumarin, which can reduce acne blemishes on an oily face and have a thinning effect on stain and acne busting speed. The herb blend of cinnamon oil can be used to clean the face and it helps in removing the stain of acne scars. Star anise has exfoliating, anti-acne, skin whitening, and moisturizing effects, which can be helpful in treating skin problems. Not only this, but it also has anti-inflammatory, anti-aging, and antifungal properties. The orange essential oil will provide WOW fragrance feeling to this Face Toner. The research is done to reduce the skin tanned and maintain healthy glowing skin among kids and adults in Asians by naturally.

Problem Statement of it is skin care products that are available in markets should have more natural ingredients and affordable price to ensure all ages people could purchase and live healthy lifestyle. The objective of this product is to reduce the orange fruit skin wastage and discover the benefits of vitamin C in orange peels for human skin by using natural products to skin and stay healthy lifestyle.

2. MATERIAL

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|------------------|-------------------------|
| 1. Orange skin | 6. Grater |
| 2. Star Anise | 7. Pot |
| 3. Vitamin E oil | 8. Stove |
| 4. Cinnamon | 9. Orange Essential Oil |
| 5. Funnel | 10. Spray Bottle |

3. METHODS TO PREPARE

Steps to prepare this Orange peel toner as per below pictures;

1. Washing 10 oranges till remove pesticide residue.
2. Zest oranges easily by using grater.
3. Add Star Anise 3pcs, Cinnamon 3pcs and add orange zest boiled with 3 litter of distilled water for about 20 minutes.
4. Let it cool and sift the zest.
5. Finally add Orange Essential Oil 1ml and Vitamin E oil 1ml and mix well.

6. Fill in orange water in empty spray bottle and prepare packaging.

3.1 Usage method

Simply rub orange peel toner with cotton pad in the morning and before go to bed twice per day for about 7 days. The result can be seen start from day 4 onwards. You will amaze with the result in 7 days. This product needs to keep it in refrigerator and it can stand up to 6 months. The orange citrus smell and cold liquid toner feel fresh when u apply in the morning on our face. Tired eyes or sleepy eyes feel fresh in a few minutes after applied it.

4. FINDINGS

Right combination with accurate quantity mixed toner it's showing superb immediate result on dirt removal and with consistence usage they able to see glowing face. It moisturized the face and removes all dead skin and cleans from pores. The test took 1-6 months with more than 100 people from school friends, teachers, parents, neighbours and relatives. Upon test different skin found some skin not suits and it's dried their skin initially so we make improvement on product though make it skin look moisturized.

4.1 Material and Cost Effectiveness

Table 1. Material and Cost Effectiveness.

Material	Cost
1. Orange skin wastage 10 orange skin	Nil
2. Distill water (3L)	Nil
3. Orange essence (1ml)	RM 1.80
4. Star Anise 3pcs	RM 0.50
5. Cinnamon 3pcs	RM 0.50
6. Vitamin E oil 1ml	RM 0.90
7. Spray Bottle 25pcs	RM 15.00
Total	RM 18.70

Above Preparation takes an hour to complete full task. Boiling 3 litter of distilled water with orange skin for about 20minutes it will decrease water level to 2.5litter. The above preparation of Orange peel toner 2.5 Litter can be packed for 25 bottles of 100ml spray bottle.

- Per bottle 100ml can be use approximately 3-4 weeks
- Selling price RM15.90 x 25 bottles = RM 397.50
- Cost RM 18.70
- Profit RM 378.80 for 25 bottles with 100ml toner.

4.2 Potential of Commercialization

This product can show immediate result of dirt removal customer showing high interest in purchasing this product and request to sell online. Selling this product via online Lazada, Shopee, and TikTok, Amazon and etc. Skin care natural products in shopping complex, pharmacy and Guardian are potential places to sell this product. Our customers are students, parents and teachers.

4.3 Result

Immediate result can be seen on dirt removal. Can be seen result on the spot for tired eyes to became fresh feelings in a 3 minutes upon applied. The toner works wonder on skin in a 4 to 7 days of consistence usage.

5. DISCUSSION

Orange skin has more Vitamin C compare to its juice which benefits human skin in many ways. From experiment and result we have concluded this toner was perfect on cleanse human face and glow their face within a week with consistence usage and it suits all types of skin in Asian country.

6. CONCLUSION

The natural orange peel toner able to tackling most common skin care problems such as skin tans, dullness, discolouration to fine lines and uneven skin texture because of environmental aggressors. Vitamin C and Vitamin E and beneficial herbs such as Star Anise and Cinnamon all mixture gives a potent antioxidant that's a key component to many skin –brightening regimens, as it interferes with pigment production and keeps inflammation at bay and help you achieve glowing skin naturally.

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