

A STUDY ON MAKING OF ORGANIC ROOM FRESHENER& DIFFUSERS FOR HOTELS

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INTRODUCTION

AIR FRESHENER :

An air freshener is a product that typically emits fragrance to eliminates unpleasant odour in a room. It contain different ingredients such as aerosol propellant , fragrance ,and solvent such as 2 – butoxyethanol , mineral oil and glycol ether , which neutralise unpleasant odour . Air freshener are consumer product that typically emits fragrance . The first modern air freshener was introduce in 1948.

ORGANIC ROOM (AIR) FRESHENER :

Fragrances have been used to mask odours since antiquity . A variety of compound have been used over the past two millennia for their abilities to create pleasant aromas or eliminates unpleasant odours.

The first modern air freshener was introduced in 1948. Its functions was based on a military technology for dispensing insecticides and adapted into a pressurized spray using a chlorofluorocarbon (CFC) propellant. The product delivered a fine mist of aroma compound that would remain suspended in the air for an extended period of time . This type of product became the industry standard and air freshener sales experienced tremendous growth . In the 1950s , many companies began to add chemicals that counteract odours to their fragrance formulas. These chemicals , intended to neutralise or destroy odours , included unsaturated esters, pre- polymers and long-0 chain aldehydes.

In the 1980s , the air fresheners market shifted aways from aerosols ,due to concern over thedestruction of the ozone layer by chlorofluorocarbon (CFC) . Many other air freshener delivery methods have become popular since , included under the seat wafer air freshener , scented candles , res diffusers, pot puri , and heat release products.

A report issued in 2005 by that bureau European des unions de consommateurs (BEUs) foundthat many air fresheners products emits allergens and toxic air pollutants including benzene, formaldehydes , terpenes, styrene , phthalate ester and toluene.

Some house plants may also aid in the removal of toxic substances from the air in building interiors. Removing the source of an unpleasant odor will decrease the chance that people will smell it. Ventilation is also important to maintaining indoor air quality and can aid in eliminating unpleasant odors. Simple cleaners such as white vinegar and baking soda, as well as natural absorbents like activated charcoal and zeolite, are effective at removing odors. Other solutions are bad smells removers that are adapted to different types of odor. The result is odor-free air that is also pollution-free and safer to breathe.

Aim & objective

AIM :

To study “ making of organic diffusers & room fresheners for hotel guest room”.

OBJECTIVES :

1. To explore how organic room fresheners can be made .
2. To discover the best raw material used for making organic freshener.
3. To discover different forms (solid , liquid, gaseous) of organic room freshener.
4. To measure the performance of handmade organic room fresheners.

LIMITATIONS :

1. The study is limited to making organic room freshener only.
2. Time and money are major limitations.

REVIEW OF LITERATURE

VOC EMISSION FROM AN AIR FRESHENER IN THE INDOOR ENVIRONMENT :

[CITATION lui03 \l 16393]The paper of national risk management research laboratory describes about VOC emission from an air freshener in the indoor environment . The result of this description provides information on air freshener emission and could be used for more detailed simulation and could be used from more detailed simulation and prediction incorporating ozone and VOC reaction.

OUR PLANET OUR HOME:

[CITATION LIN12 \l 16393]Author Lina Yones posted in her paper the harmful and helpful effects of air freshener are harmful not only for the skin , throat and eyes . She also describes that these chemical air freshener can produce allergic reaction , asthma and other cancer diseases. So far , improving tips are to use natural opinion or non-toxic approaches such as baking soda and other natural ingredients.

NATURAL HOMEMADE AIR FRESHENER: THE ULTIMATE GUIDE

[CITATION Sar13 \l 16393]According to the book of natural homemade air freshener , using natural ingredients to the freshener the air in your home is great way to absorb odors and create a nicely scented environment for your family. Natural homemade air freshener are also non-toxic , and safe for all family members and pets .The author have also collected the most refreshing aromas recipes from around the world.

FLORAL SCENTS:

[CITATION Sar13 \l 16393]The study will work on that , can the air freshener also be made from the essential oils and only the flower in the world according to the choice.

Recipe : 1. 2 cups distilled water.

2. 3 tbsp vodka or ethyl alcohol.

3. 5 drops everlasting essential oil.

4. 10 drops peony essential oil.

5 . 10 drops sandalwood essential oil

ESSENTIAL OIL AND HOW THEY WORK:

[CITATION ALT \l 16393]The study will work on , can other essential oil (rather than 10 to 20) made room freshener can be also useful for the illness . And do they impart a beneficial effect for the fragrance on the surrounding. Essential oils are more than just highly concentrated plant extract . Most possess potent medicinal qualities and many are valuable for their exceptional cosmetic qualities.

[CITATION ALT15 \l 16393]According to Dr. Jillian Stansbury , citrus spices aren't the only plant that can lead to phototoxicity. There are many other useful plant that can contribute to sun sensitivity and subsequent damage when consumed or used within 12 hrs of sun exposure. Some of these find their way into essential oil , while others might be ingested during a meal or snacks .

[CITATION CHR19 \l 16393]The researcher Christina Anthis says in the research that a good diffuser is a must have tool in your home . There are several different types of aromatherapy diffuser on the market , but she prefers ultrasonic diffuser , which use ultrasonic vibration to transform essential oil into water vapour and dispense it into the air . Other types include nebulizing , evaporative , and heat diffuser . She recommended choosing one with a timed on / off setting that makes over exposure easy to avoid. Be sure to clean your diffuser according to its instruction , a quick wipe with a paper towel between uses can prevent citrus oils from causing any erosion.

ESSENTIAL OIL BASICS:

[CITATION alt13 \l 1033]The researcher says in the research that, “ tea is a traditional remedy for cold symptom when we add ginger essential oil to your favourite tea you benefit additionally from its powerful antiviral compound.

1 cup of hot herbal tea

1 drop of ginger essential oil.

Brew a tea of your choice once its cool enough to drink add the ginger essential oil to your cup . Inhaling the fragrance while sipping the tea provide relief from congestion ; ingesting the ginger can help short yours colds duration drink. This tea throughout the day for best result . “

PHOTOSENSITIZING PLANTS KEEP YOUR SKIN SAFE:

The researcher researches in the research that , many commercially produced baby powder contain officially fragrance and that , both of which can cause irritation of ba [CITATION ALT13 \l 1033] by skin and lungs. As such , talc is no longer recommended by most pediatriciaion . this delightfully scented baby powder is safer for your baby and is also ideal for helping adults stay cool and dry . The marigold essential oil is perfect for soothing sensitive skin.

1 cup arrowroot powder.

8 drop marigold essential oil.

MEDICINES OUT OF THE EARTH:

[CITATION jul17 \l 1033]The writer Julia Grady reserches in the research that aromatherapy is a method that uses that sense of smell to influence that brains and body to relieve pain and stress , boot mood , increase energy , fight fatigue , decrease appetite , lose weight and multitude of other purpose. Every essential oil has its own unique properties and produces different result . eg: “eucalyptus may uses as a pick me up after a longday , while lavender will help you relax and fall asleep.”

SPRAYS :

[CITATION jul171 \l 1033]Julia Grady says in her research that , essential oils contain various chemical components that influences the different systems in body. This may sound somewhat dangerous , but actually isn't because our bodies naturally produces and uses many of these some chemicals compound already. The essential oil work by stimulating & sedating the body system . Many also contain powerful autoinflammatory , antival, antibactacterial, antifungal , and other properties.

[CITATION val16 \l 16393]The researcher says that , room diffuser can be electric and designed around a simple tea light candel.Follow the instruction that comes with theproduct . If you don't posses a diffuser , essential oil molecules can be dispersed by using a glass bowl or cup filled with steaming hot water ,with the essential oils drop on the water. The steam will rise and circulate the essential oils around the room.

If there's a lot of infection around ,use 5-10 drops of essential oil per use with your diffuser. In clinical setting , equipment that emits a fine mist of pure essential oil is sometimes used to treat cases of severe

infection.

[CITATION val161 \l 16393]Valerie Ann Wordwood says that , a simples anti-infectious room spray can easily be made using water and essential oil .As water and oil don't mix , add the essential oil to the little colourless alcohol or vegetable glycerine to help emulsify them before adding to the water ,and shake before each use . If you don't have any emulsifier , just shake more vigorously before spraying the room. Spray high into air and avoid letting the water fall on wood , velvet silk, or other delicate furniture and material. Use a minimum of 20 drops of essential oil to each $\frac{3}{4}$ tbsp of water -with or without 1 tbsp of emulsifier. Use a clean preferably new sprayer , plant mister are ideal.

HOW TO MAKE A ROSE ESSENTIAL –SCENTED ROOM FRESHENER:

[CITATION mal19 \l 16393]Malt Bean researches that “20 min for dry petals, 30 min for fresh petals.

Ingredients: 1cup fresh organic rose smell.

2 cup filtered water.

4 oz witch hazel.

Supplies : double boiler , non reactive.

Wooden spoon.

Fine mash strainer or cheese cloth.Funnel.

Mason jar – glass spray bottle .

[CITATION lau \l 16393]Lauren Mazzo says in the research that ,The recepie :2 tbsp grapeseed oil.

2 tbsp grapefruit oil .

$\frac{1}{4}$ tbsp cedar wood oil.

$\frac{1}{4}$ tbsp geranium oil.

5 drops of peppermint oil .

The method : mix ingredient in glass cups or bottles Kylie Gilbert says that , the essential oilhack to wake you up in the morning .

The recepie : $\frac{1}{2}$ tsp lavender .

$\frac{1}{4}$ tsp palmarosa. $\frac{1}{8}$ tsp peppermint.

Mix all three together in a clean recycled spice jar or a dropper bottle . “gillerman says that , this oil will wake you up , cool you off , and leave you feeling refreshed and ready for the day.”

OIL DIFFUSING AS HOUSEWARMING GIFTS:

[CITATION lin181 \l 16393]Lindsey Weber says that , he moved into his first solo NYC apartment this spring . It was about time grown too set in his ways to accept the criticism ofa roommate who might not like the framed Icelandic Doritas bag hung about the skin in the kitchen to celebrate , his moms sent her new favourite things ,which turned out to be a do terra “petal diffuser “ – releasing the aromatic and therapeutic benefit of essential oils .

Madison Alcedo says that , “there’s no doubt that essential oils have many uses in the home , whether you use them for aromatherapy , fragrance , skincare , or natural health remedies . But one of the best parts about always keeping essential oils stocked in your house is using them in an essential oil diffuser – there’s nothing better than the fresh scent of eucalyptus oil to refresh your home !”

THESE ARE THE 15 BEST – SELLING ESSENTIAL OIL DIFFUSER :

[CITATION MAD19 \l 16393]The writer says that , “while you should always be cautious when diffusing oils , especially around pets and children , diffusing specific oils for different needs can really be beneficial.” Since , inhaling essential oils is one of the fastest way to experience its therapeutic benefits and instantly feel calmer , diffusers are basically a two – in – one device for both your health and your home .

THE 6 ESSENTIAL OIL MISTAKE YOU ARE PROBABLY MAKING:

[CITATION SAH18 \l 16393]Sarah Klein says in the research that an essential oils have become increasingly mainstream , you may have experimented by adding a signature scent to your space to transform your home or bedroom into a relaxing haven . Or maybe you’ve taken to wearing a diffusing pendant as a necklace to deliver all day, and the good vibes . Used in these ways , essential oil can be relaxing , invigorating and simply lovely.

DIY AIR FRESHENER:

[CITATION KAT18 \l 16393]Kathrin Brunner says in the research that air fresheners that hang -off rearview mirror are convenient but not natural . What if you want the scent but not the synthetics ? one should try these sweet and simple diy air freshener for your car, home or gym bag start with wool felt , a fabric that naturally diffuses essential oils and can be reused indefinitely , minimizing waste . Cut into shapes and combine essential oils to fit your mood and the season.

[CITATION JIL16 \l 16393]The formula for air freshener spray is :

- ¾ cup water . (he use tap water , but distilled is fine too)
- 2 tbsp vodka , rubbing alcohol or real vanilla extract.
- One of the essential oil combination.
- Combine in an 8oz spray bottle , shake well and spray as needed.

DIY AIR FRESHENER SPRAY FORMULA:

[CITATION Jil16 \l 16393]The researcher says that , citrus mint air freshener spray:

- ¾ cup water .
- 2tbsp vodka , rubbing alcohol or real vanilla extract .
- 10 drops peppermint essential oil .

- Combine in an 8oz spray bottle . shake well ,and spray as needed.

[CITATION Jil161 \l 16393]The researcher says that , Cozy holiday air freshener spray :

- 3/4 cup water .
- 6 drops wild orange essential oil .
- 5 drops cassia essential oil .
- 5 drops clove essential oil with vanilla extract.
- combine in an 8oz spray bottle , shake well and spray.

[CITATION JIL161 \l 16393]The researcher says in the research that, the formula for making sweet lavender air freshener spray :

- ¾ cup water .
- 10 drops lavender essential oil .
- 5 drops chamomile essential oil .
- Use 2 tbsp real vanilla extract .
- Combine in an 8oz spray bottle . Shake well , and spray as needed .

[CITATION JIL162 \l 16393]The researcher says in the research that , the formulae for making summer citrus air freshener spray :

- ¾ cup water .
- 5 drops wild orange essential oil .
- 5 drops lemon essential oil .
- 5 drops lime essential oil .
- 5 drops grapefruit essential oil .
- Combine in an 8oz spray bottle .Shake well and spray as needed .

[CITATION JIL164 \l 16393]The researcher Jill Winger says that , the formula for making flower garden air freshener spray is :

- ¾ cup water .
- 8 drops lavender essential oil .
- 5 drops geranium essential oil.
- 4 drops grapefruit essential oil with vanilla extract.
- Combine in 8 oz spray bottle . Shake well & spray as needed.

[CITATION JIL \l 16393]The researcher says in the research that, the formulae for making happy homestead air freshener spray is :

- ¾ cup water.
- 5 drops lavender essential oil.
- 5 drops lemon essential oil .
- 5 drops rosemary essential oil with vanilla extract .
- Combine in 8 oz spray bottle .Shake well & spray as needed.

[CITATION JIL1 \l 16393]The researcher says in the research that , the formulae for making deodorizing air freshener spray is :

- $\frac{3}{4}$ cup water .
- 4 drops melaleuca essential oil .
- 8 drops lemon essential oil.
- 6 drops eucalyptus essential oil with vanilla extract.
- Combine in 8 oz spray bottle . Shake well & spray as needed .

[CITATION JIL165 \l 16393]Jill Winger says in the research that , the formulae for making spicy chai air freshener spray is :

- $\frac{3}{4}$ cup water .
- 4 drops cardamom essential oil .
- 3 drop cassia essential oil .
- 3 drops clove essential oil.
- 2 drops ginger essential oil with vanilla extract .
- Combine in 8 oz spray bottle .Shake well and spray as needed .

[CITATION JIL166 \l 16393]Jill Winger says in the research that , woodsy air freshener spray :

- $\frac{3}{4}$ cup water .
- 7 drops white fir essential oil .
- 6 drops cedar wood essential oil .
- 5 drops frankincense essential oil with vanilla extract .
- Combine in 8oz spray bottle . Shake well and spray.

[CITATION JIL3 \l 16393]Jill Winger says in the research that ,the formula for making GetFocused Air Freshener Spray :

(Ideal for when you are sitting at your desk & need to concentrate)

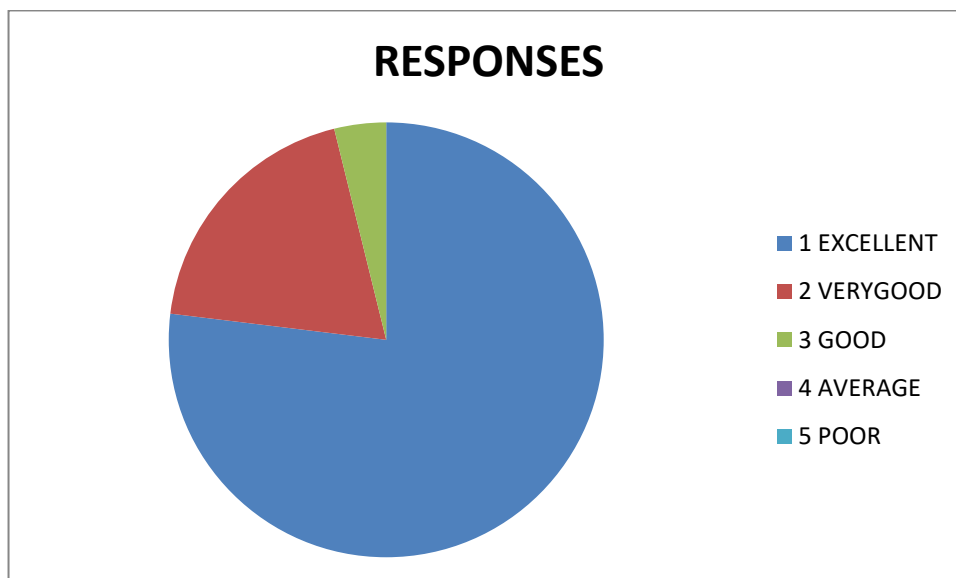
- $\frac{3}{4}$ cup water .
- 10 drops peppermint essential oil .
- 8 drops rosemary essential oil with vanilla extract .
- Combine in 8oz spray bottle .Shake well & spray .

RESULTS & DISCUSSION

Fragrance of green apple organic room freshener:

NO.	PARTICULAR	RESPONSES
1	EXCELLENT	40%
2	VERYGOOD	10%
3	GOOD	2%
4	AVERAGE	0%
5	POOR	0%

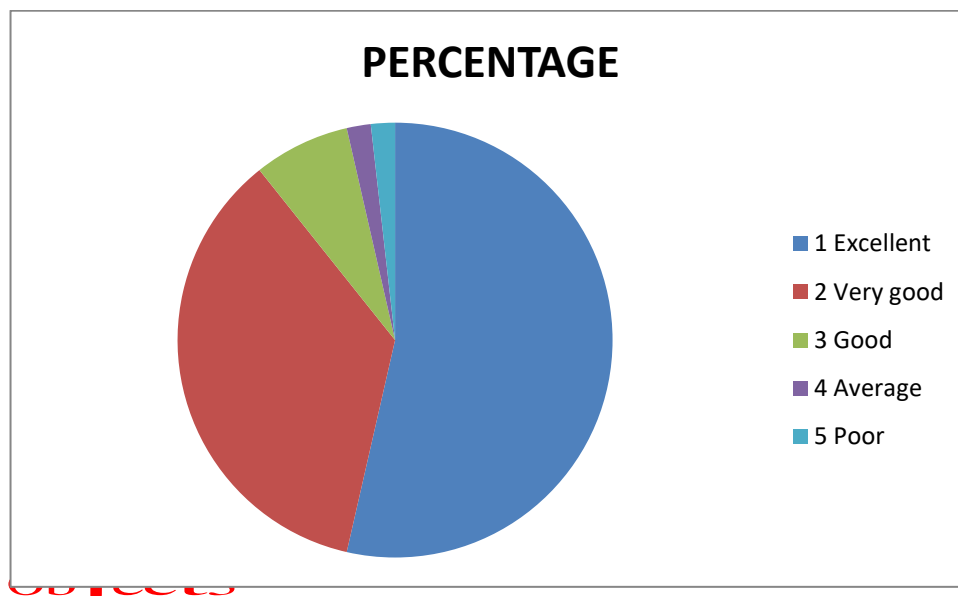
- Around 40% people say that the fragrance of green apple room freshener is excellent.
- Around 10% people say that the fragrance of green apple room freshener is very good.
- Around 2% peoples say that the fragrance of green apple room freshener is good.
- Remaining people gave average and poor reviews about the fragrance of greenapple room freshener:



FRAGRANCE OF ROSE ORGANIC ROOM FRESHENER:

SRNO.	PARTICULAR	PERCENTAGE
1	Excellent	30%
2	Very good	20%
3	Good	4%
4	Average	1%
5	Poor	1%

- Around 30% people say that the fragrance of rose organic room freshener is excellent.
- Around 20% people say that that fragrance of rose organic room freshener is verygood.
- Around 4% people say that the fragrance of rose organic room freshener is good.
- Around 1%people say that the fragrance of rose organic room freshener is average.
- Around 1% people say that the fragrance of rose organic room freshener is poor.

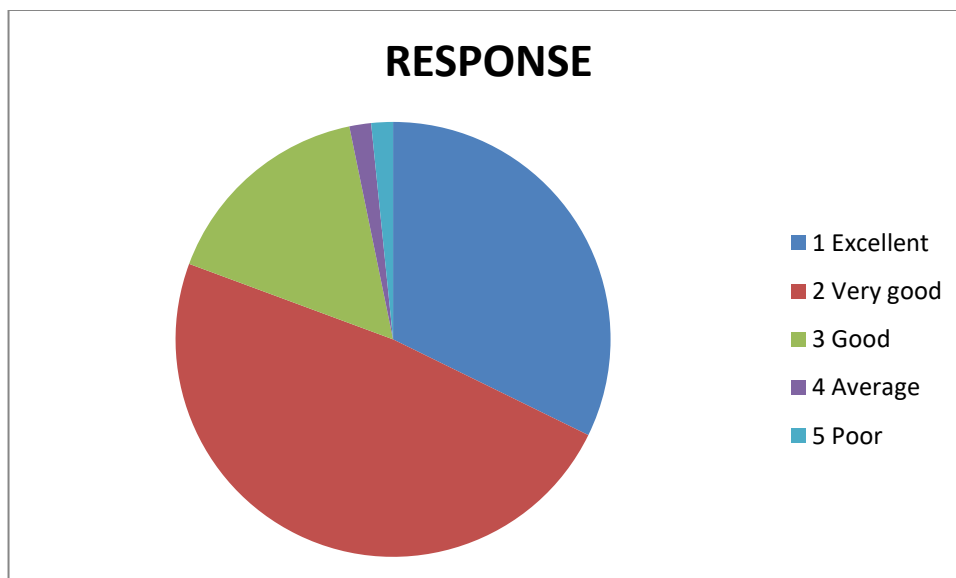


FRAGRANCE OF NIGHT QUEEN ORGANICE ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	Excellent	20%
2	Very good	30%
3	Good	10%
4	Average	1%
5	Poor	1%

- Around 20% people say that the fragrance of night queen organic room freshener is excellent.
- Around 30% people say that that fragrance of night queen organic room freshener is very good.
- Around 10% people say that the fragrance of night queen organic room freshener is good.
- Around 1% people say that the fragrance of night queen organic room freshener is average.
- Around 1% people say that the fragrance of night queen organic room freshener is poor.

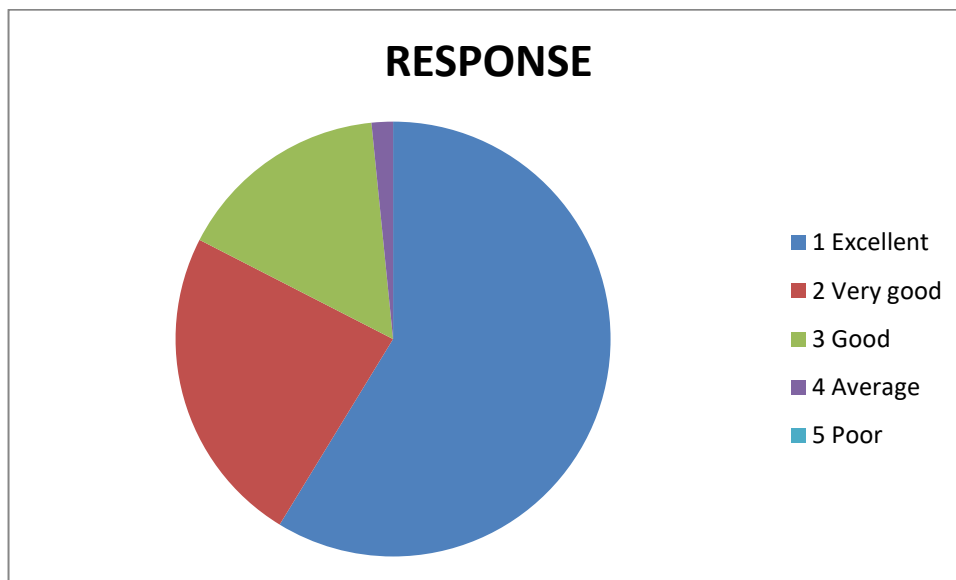
Object5



FRAGRANCE OF JASMINE ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	Excellent	37%
2	Very good	15%
3	Good	10%
4	Average	1%
5	Poor	0%

- Around 37% people say that the fragrance of jasmine organic room freshener is excellent.
- Around 15% people say that that fragrance of jasmine organic room freshener is very good.
- Around 10% people say that the fragrance of jasmine organic room freshener is good.
- Around 1% people say that the fragrance of jasmine organic room freshener is average.
- Other remaining people say that the fragrance of jasmine organic room freshener is poor.

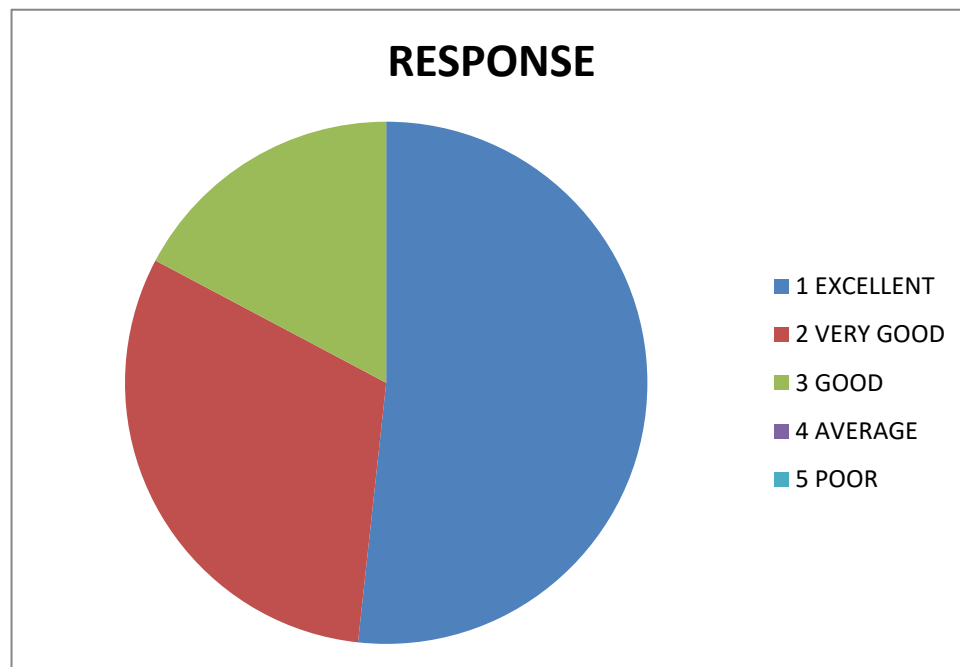


Object7

FRAGRANCE OF MOGARA ORGANIC ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	30%
2	VERY GOOD	18%
3	GOOD	10%
4	AVERAGE	0%
5	POOR	0%

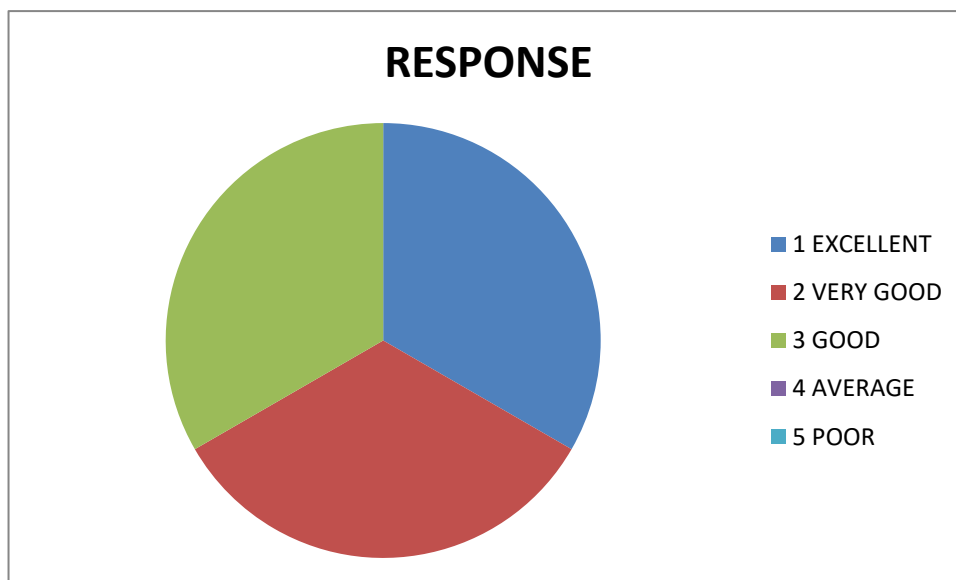
- Around 30% people say that the fragrance of mogara organic room freshener is excellent.
- Around 18% people say that that fragrance of mogara organic room freshener is very good.
- Around 10% people say that the fragrance of mogara organic room freshener is good.
- Other remaining people say that the fragrance of mogara organic room freshener is poor & average.



FRAGRANCE OF LAVENDER & PEPPERMINT ORGANIC ROOM FRESHENER

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	25%
2	VERY GOOD	25%
3	GOOD	25%
4	AVERAGE	0%
5	POOR	0%

- Around 25% people say that the fragrance of lavender & peppermint organic roomfreshener is excellent.
 - Around 25% people say that that fragrance of lavender& peppermint organic roomfreshener is very good.
 - Around 25% people say that the fragrance of lavender & peppermint organic roomfreshener is good.
- Remaining people say that the fragrance of lavender& peppermint organic roomfreshener is poor & average.



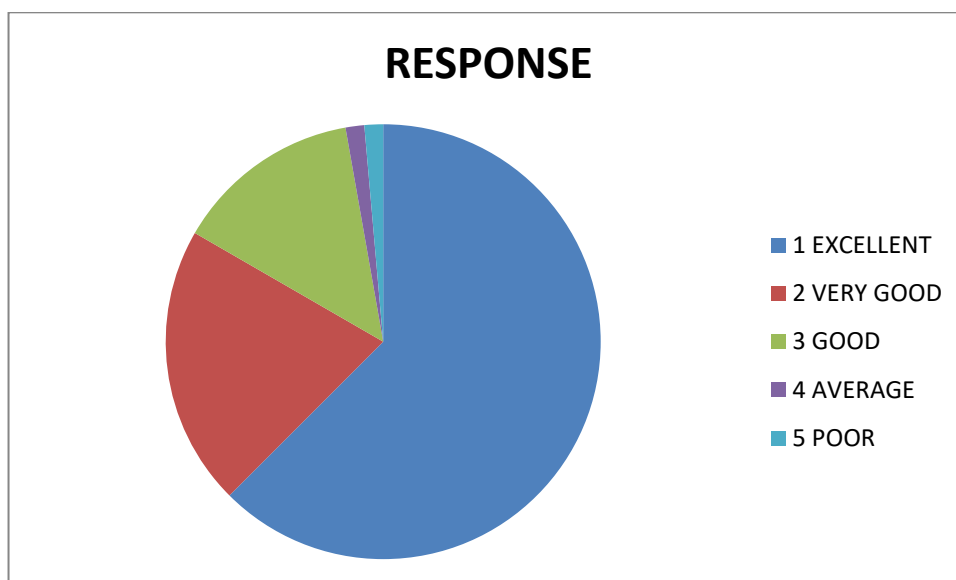
Object 11

APPERANCE OF ORGANIC ROOM FRESHENER

APPERANCE OF GREEN APPLE ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	45%
2	VERY GOOD	15%
3	GOOD	10%
4	AVERAGE	1%
5	POOR	1%

- Around 45% people say that appearance of green apple organic room freshener is excellent.
- Around 15% people say that appearance of green apple organic room freshener is very good.
- Around 10% people say that appearance of green apple organic room freshener is good.
- Around 1% people say that appearance of green apple organic room freshener is average.
- Around 1% people say that appearance of green apple organic room freshener is poor.



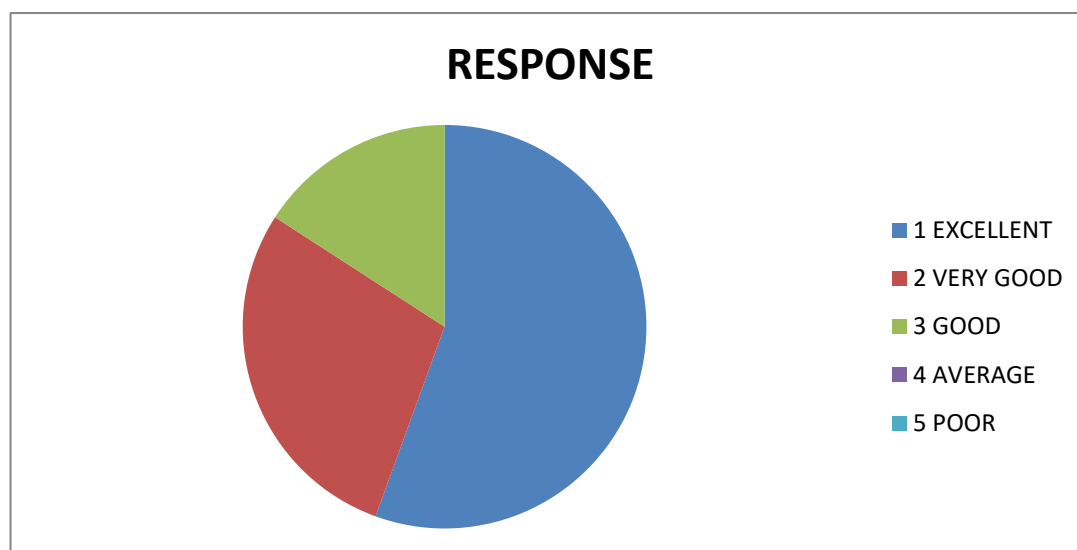
Object13

APPERANCE OF ROSE ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	35%
2	VERY GOOD	18%
3	GOOD	10%
4	AVERAGE	0%
5	POOR	0%

- Around 35% people say that appearance of green apple organic room freshener is excellent.
- Around 18% people say that appearance of green apple organic room freshener is very good.
- Around 10% people say that appearance of green apple organic room freshener is good.
- Other remaining people say that the appearance of rose organic room freshener is poor & average.

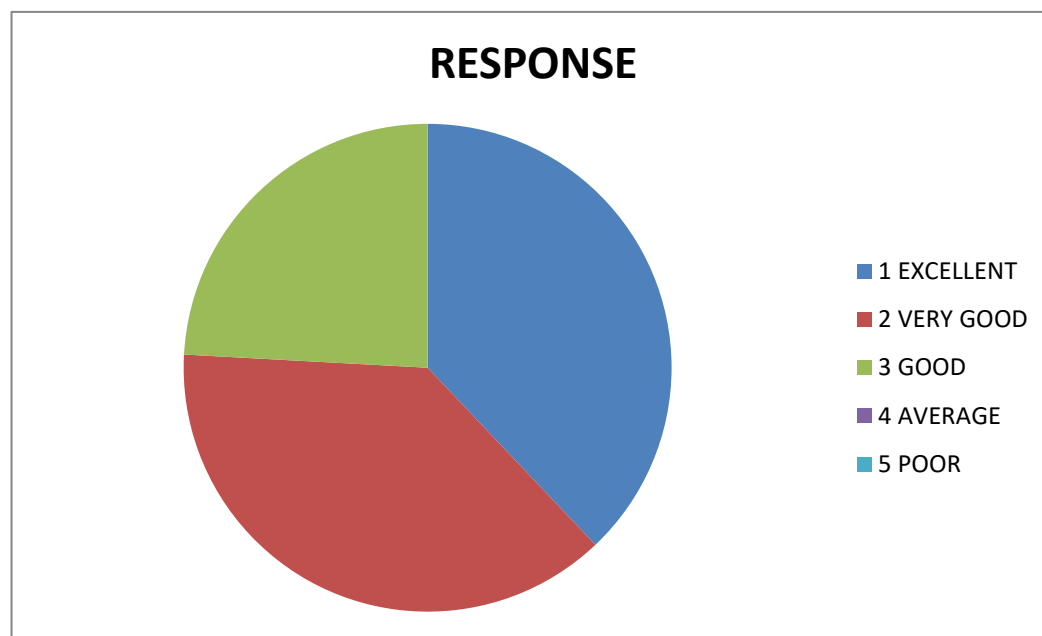
Object 15



APPERANCE OF NIGHT QUEEN ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	22%
2	VERY GOOD	22%
3	GOOD	14%
4	AVERAGE	0%
5	POOR	0%

- Around 22% people say that appearance of night queen organic room freshener is excellent.
- Around 22% people say that appearance of night queen organic room freshener is very good.
- Around 14% people say that appearance of night queen organic room freshener is good.
- Other remaining people say that the appearance of night queen organic room freshener is poor & average.

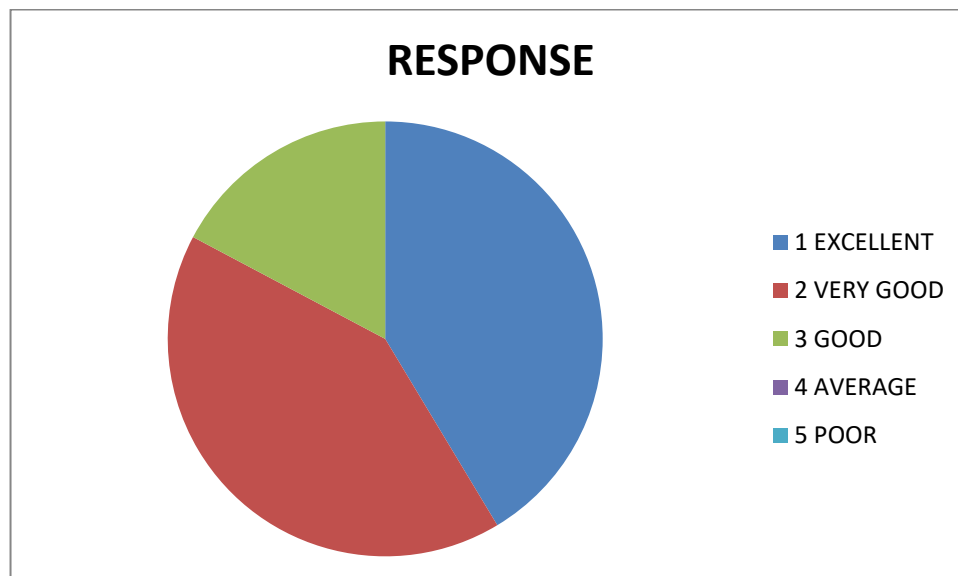


APPERANCE OF MOGARA ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	24%
2	VERY GOOD	24%
3	GOOD	10%
4	AVERAGE	0%
5	POOR	0%

- Around 22% people say that appearance of mogara organic room freshener is excellent.
- Around 22% people say that appearance of mogara organic room freshener is very good.
- Around 14% people say that appearance of mogara organic room freshener is good.
- Other remaining people say that the appearance of mogara organic room freshener is poor & average.

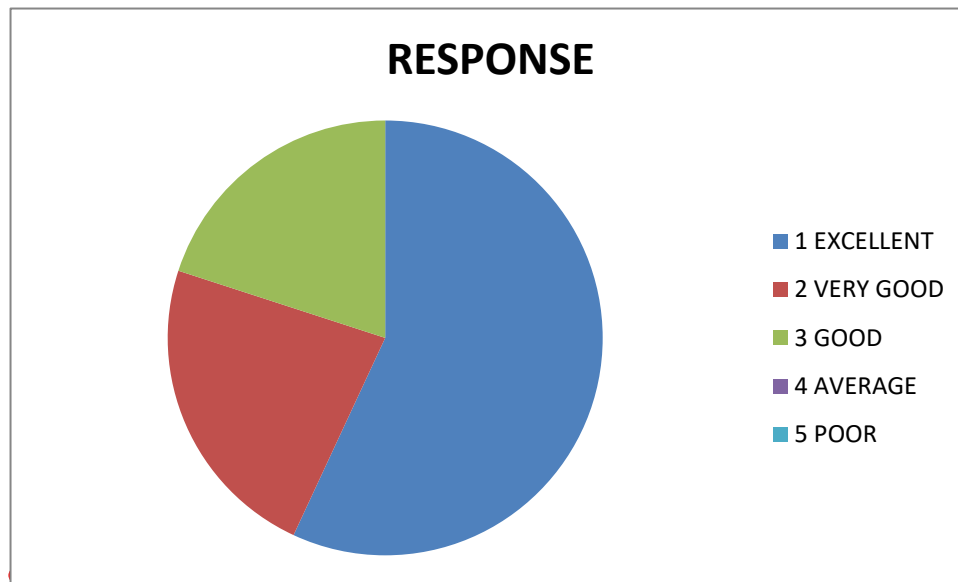
Object20



APPERANCE OF JASMINE ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	37%
2	VERY GOOD	15%
3	GOOD	13%
4	AVERAGE	0%
5	POOR	0%

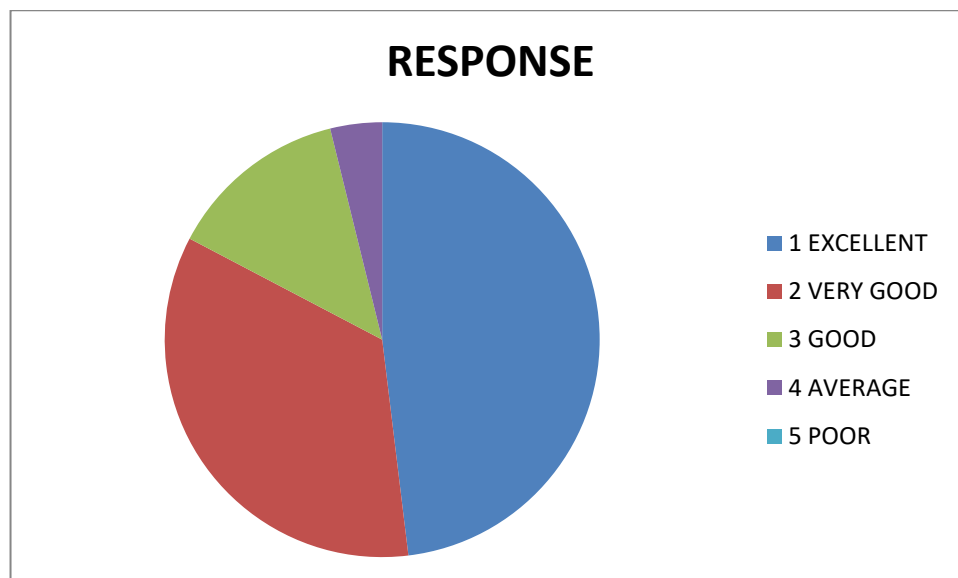
- Around 37% people say that appearance of jasmine organic room freshener is excellent.
- Around 15% people say that appearance of jasmine organic room freshener is very good.
- Around 13% people say that appearance of jasmine organic room freshener is good.
- Other remaining people say that the appearance of jasmine organic room freshener is poor & average.



APPERANCE OF LAVENDER & PEPPERMINT ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	25%
2	VERY GOOD	18%
3	GOOD	7%
4	AVERAGE	2%
5	POOR	0%

- Around 25% people say that appearance of lavender & peppermint organic roomfreshener is excellent.
- Around 28% people say that appearance of lavender & peppermint organic roomfreshener is very good.
- Around 7% people say that appearance of lavender & peppermint organic roomfreshener is good.
- Around 2% people say that appearance of lavender & peppermint organic roomfreshener is average .
- Other remaining people say that the appearance of lavender & peppermint organicroom freshener is poor.



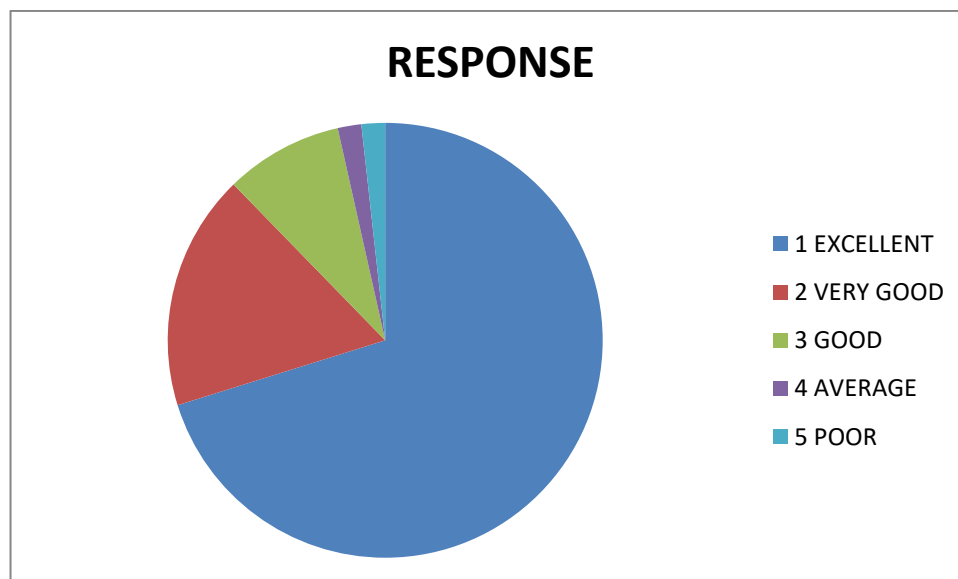
CREATIVITY OF ORGANIC ROOM FRESHENER:

CREATIVITY OF GREEN APPLE ORGANIC ROOM FRESHENER:

	PARTICULAR	RESPONSE
1	EXCELLENT	40%
2	VERY GOOD	10%
3	GOOD	5%
4	AVERAGE	1%
5	POOR	1%

- Around 40% people say that creativity of green apple organic room freshener is excellent.
- Around 10% people say that creativity of green apple organic room freshener is very good.
- Around 5% people say that creativity of green apple organic room freshener is good.
- Around 1% people say that creativity of green apple organic room freshener is average.
- Around 1% people say that creativity of green apple organic room freshener is poor.

Object27

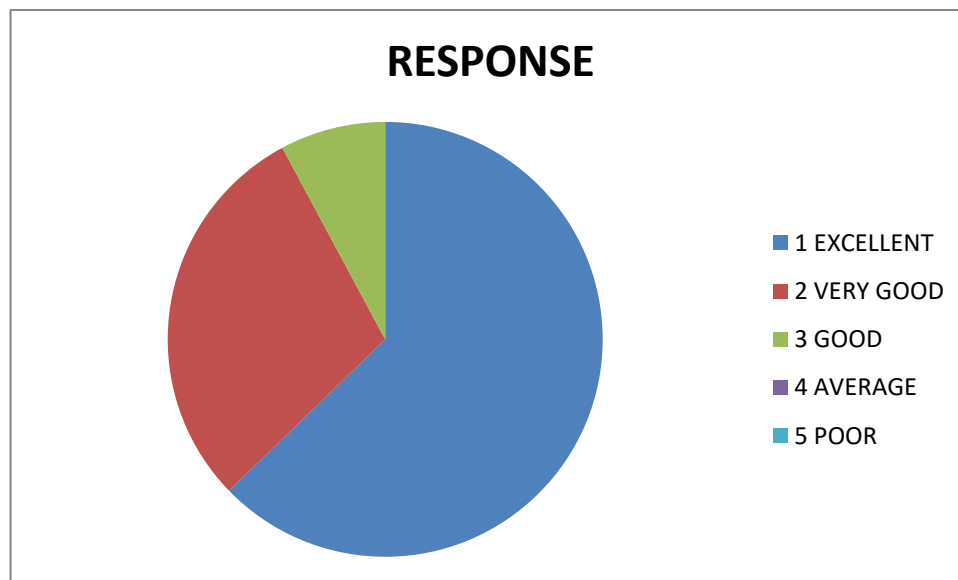


CREATIVITY OF ROSE ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	32%
2	VERY GOOD	15%
3	GOOD	4%
4	AVERAGE	0%
5	POOR	0%

- Around 32% people say that creativity of rose organic room freshener is excellent.
- Around 15% people say that creativity of rose organic room freshener is very good.
- Around 4% people say that creativity of rose organic room freshener is good.
- Around 0% people say that creativity of rose organic room freshener is average.
- Around 0% people say that creativity of rose organic room freshener is poor.

Object30

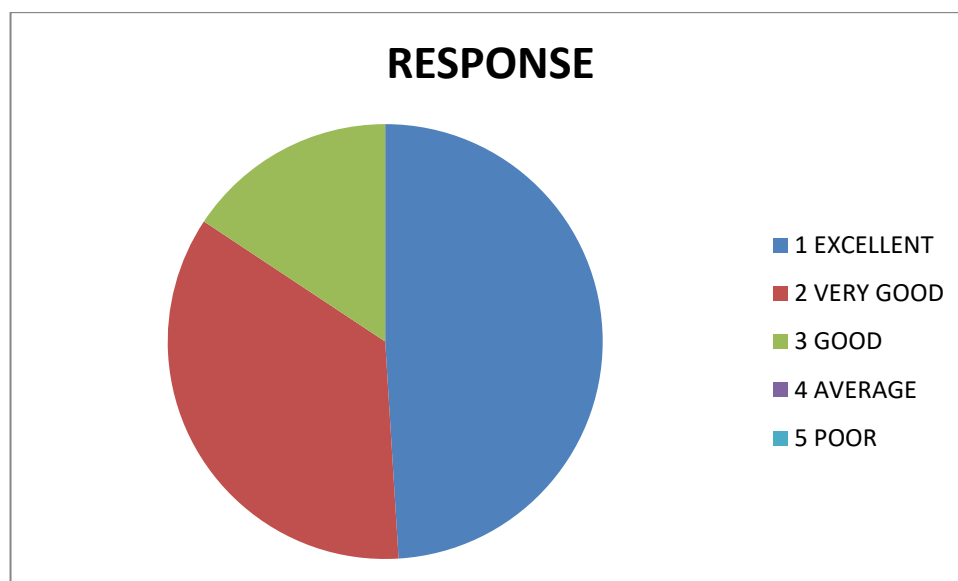


CREATIVITY OF NIGHT QUEEN ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	25%
2	VERY GOOD	18%
3	GOOD	8%
4	AVERAGE	0%
5	POOR	0%

- Around 25% people say that creativity of night queen organic room freshener is excellent.
- Around 18% people say that creativity of night queen organic room freshener is very good.
- Around 8% people say that creativity of night queen organic room freshener is good.
- Other remaining people say that the appearance of night queen organic room freshener is poor.

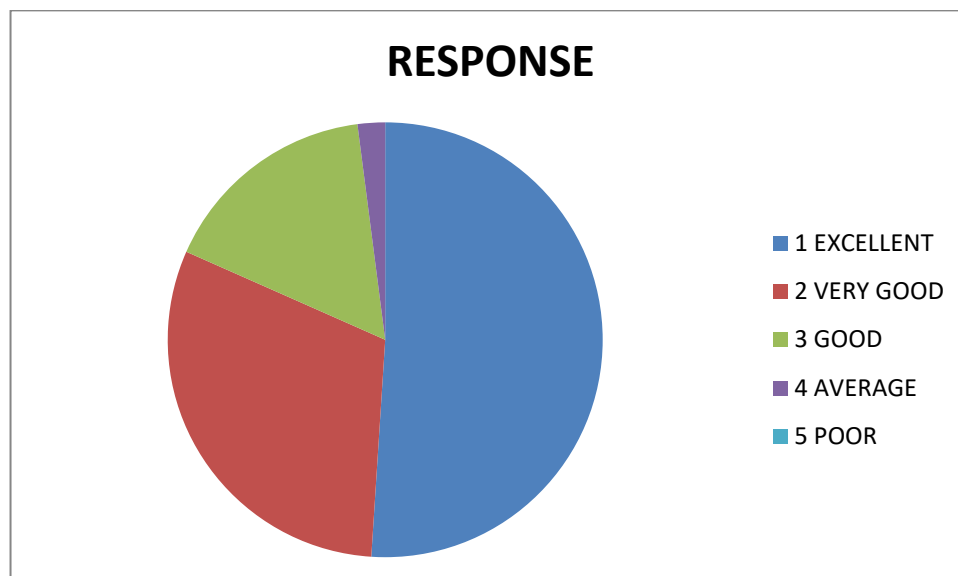
Object32



CREATIVITY OF MOGARA ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	25%
2	VERY GOOD	15%
3	GOOD	8%
4	AVERAGE	1%
5	POOR	0%

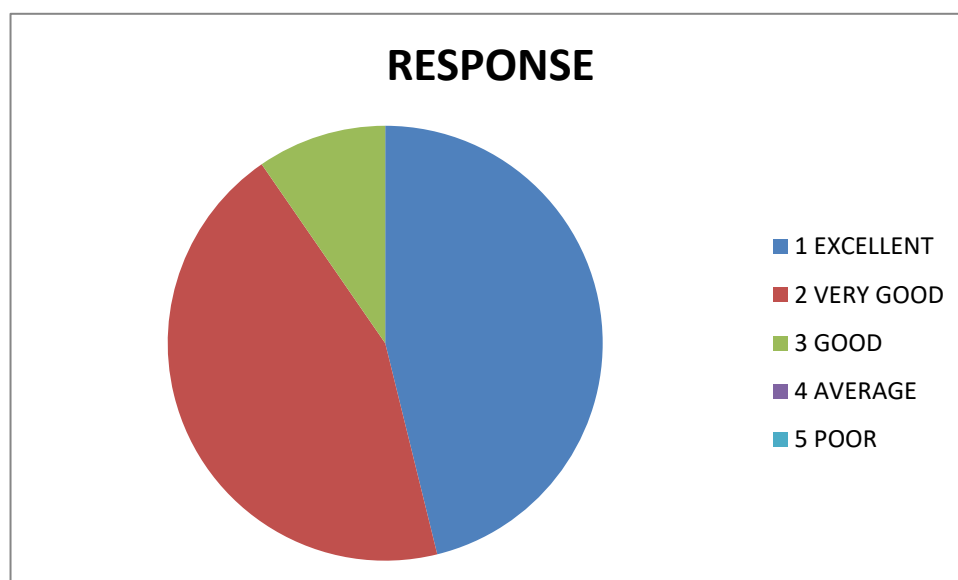
- Around 25% people say that creativity of mogara organic room freshener is excellent.
- Around 15% people say that creativity of mogara organic room freshener is verygood.
- Around 8% people say that creativity of mogara organic room freshener is good.
- Around 0%people say that creativity of mogara organic room freshener is average.
- Around 0% people say that creativity of mogara organic room freshener is poor.



CREATIVITY OF JASMINE ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	24%
2	VERY GOOD	23%
3	GOOD	5%
4	AVERAGE	0%
5	POOR	0%

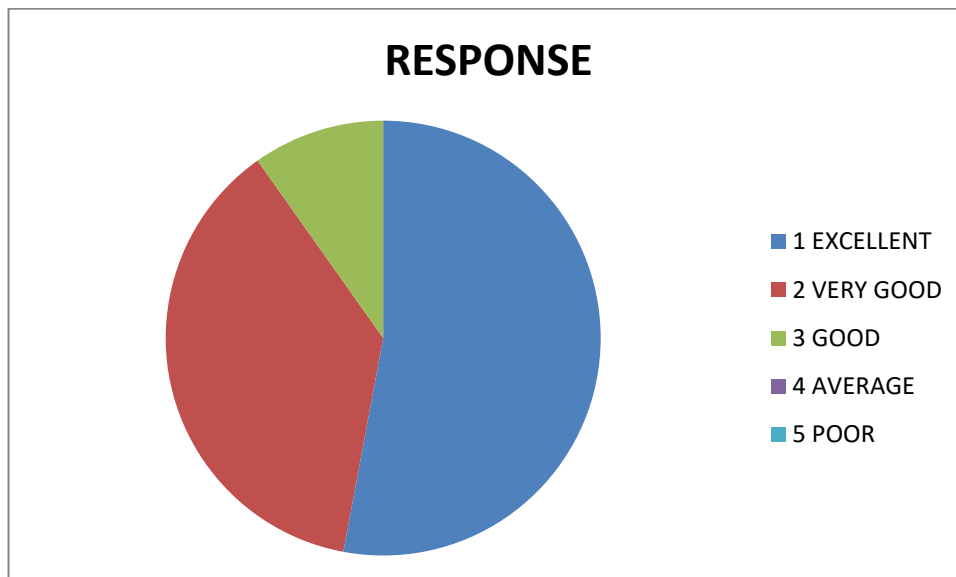
- Around 25% people say that creativity of jasmine organic room freshener is excellent.
- Around 15% people say that creativity of jasmine organic room freshener is verygood.
- Around 8% people say that creativity of jasmine organic room freshener is good.
- Other remaining people say that the creativity of jasmine organic room freshener ispoor.



CREATIVITY OF LAVENDER & PEPPERMINT ORGANIC ROOM FRESHENER:

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	27%
2	VERY GOOD	19%
3	GOOD	5%
4	AVERAGE	0%
5	POOR	0%

- Around 27% people say that creativity of lavender & peppermint organic roomfreshener is excellent.
- Around 19% people say that creativity of lavender & peppermint organic roomfreshener is very good.
- Around 5% people say that creativity of lavender & peppermint organic roomfreshener is good.
- Other remaining people say that the creativity of lavender & peppermint organic roomfreshener is poor.

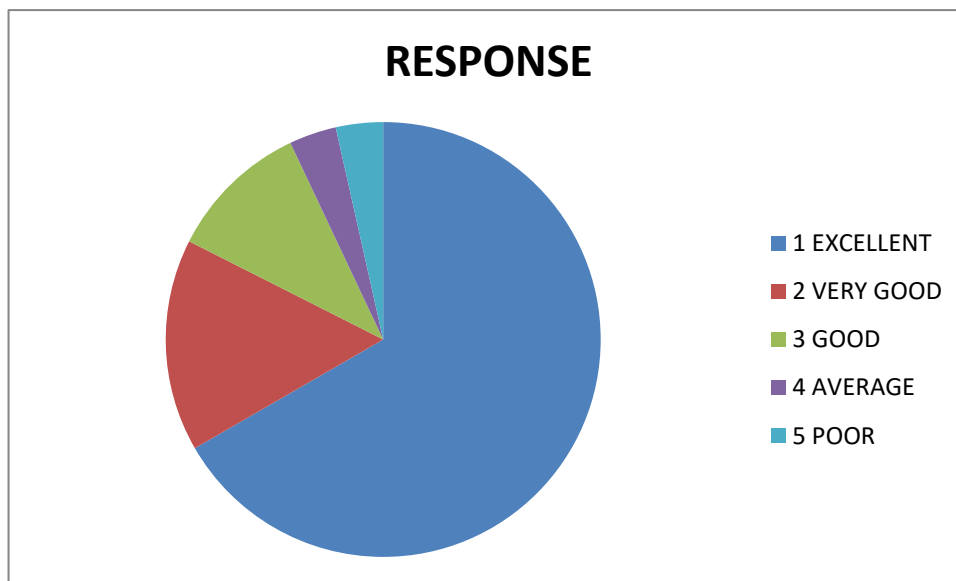


PRESENTATION OF ORGANIC ROOM FRESHENER :

PRESENTATION OF GREEN APPLE ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	38%
2	VERY GOOD	9%
3	GOOD	6%
4	AVERAGE	2%
5	POOR	2%

- Around 38% people say that presentation of green apple organic room freshener is excellent.
- Around 9% people say that presentation of green apple organic room freshener is very good.
- Around 6% people say that presentation of green apple organic room freshener is good.
- Around 2% people say that presentation of green apple organic room freshener is average.
- Around 2% people say that presentation of green apple organic room freshener is poor.

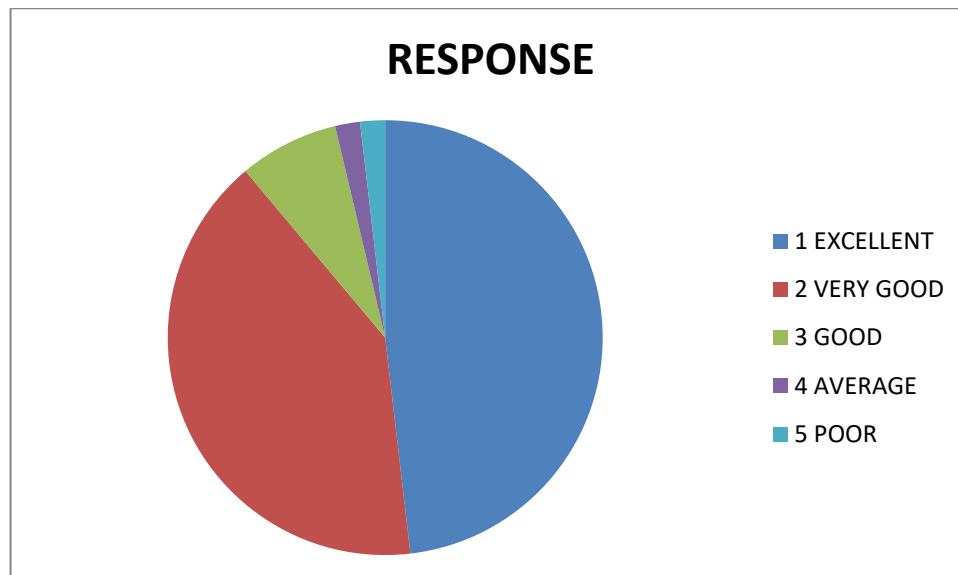


Object40

PRESENTATION OF ROSE ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	26%
2	VERY GOOD	22%
3	GOOD	4%
4	AVERAGE	1%
5	POOR	1%

- Around 26% people say that presentation of rose organic room freshener is excellent.
- Around 22% people say that presentation of rose organic room freshener is very good.
- Around 4% people say that presentation of rose organic room freshener is good.
- Around 1% people say that presentation of rose organic room freshener is average.
- Around 1% people say that presentation of rose organic room freshener is poor.

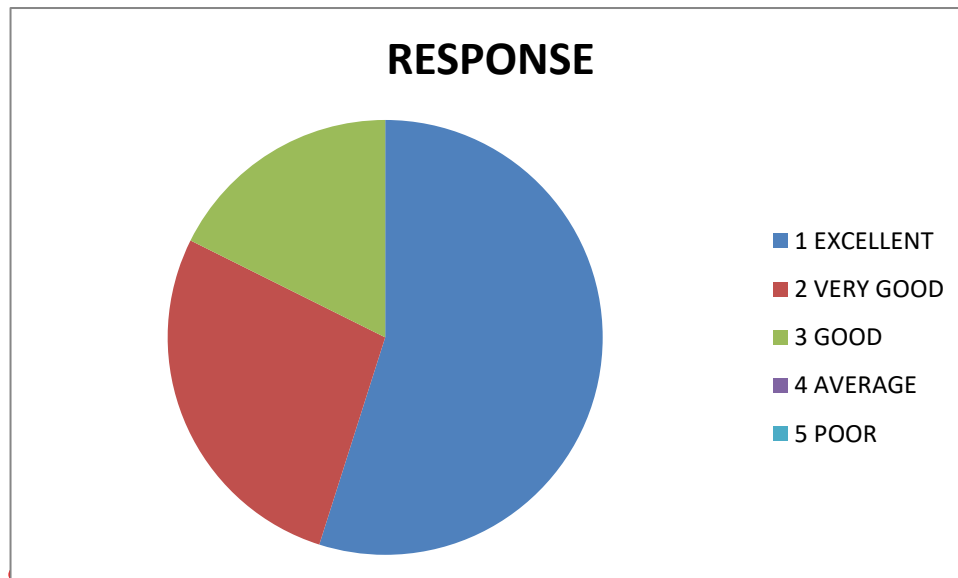


Object42

PRESENTATION OF MOGARA ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	28%
2	VERY GOOD	14%
3	GOOD	9%
4	AVERAGE	0%
5	POOR	0%

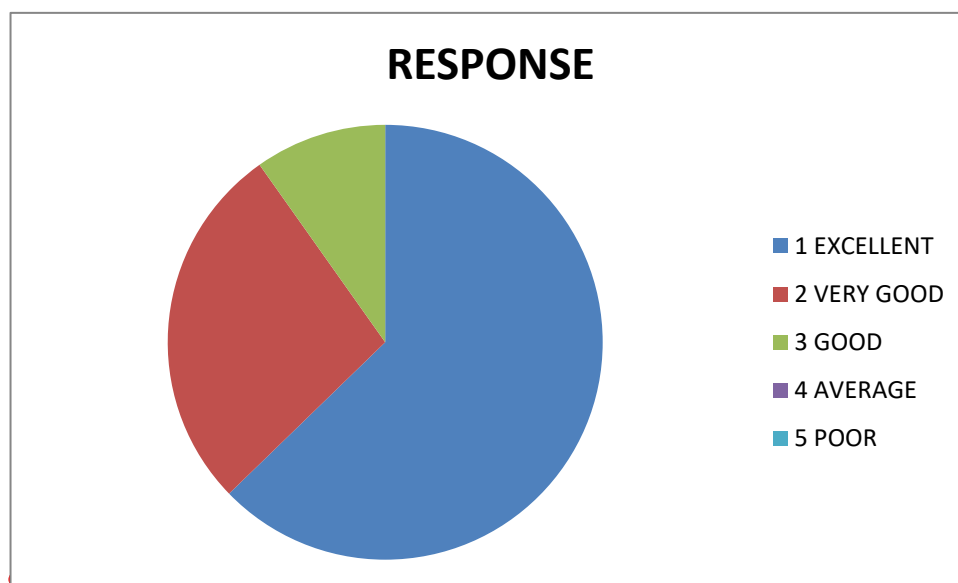
- Around 28% people say that presentation of mogara organic room freshener is excellent.
- Around 14% people say that presentation of mogara organic room freshener is very good.
- Around 9% people say that presentation of mogara organic room freshener is good.
- Around 0% people say that presentation of mogara organic room freshener is average.
- Around 0% people say that presentation of mogara organic room freshener is poor.



PRESENTATION OF JASMINE ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	32%
2	VERY GOOD	14%
3	GOOD	5%
4	AVERAGE	0%
5	POOR	0%

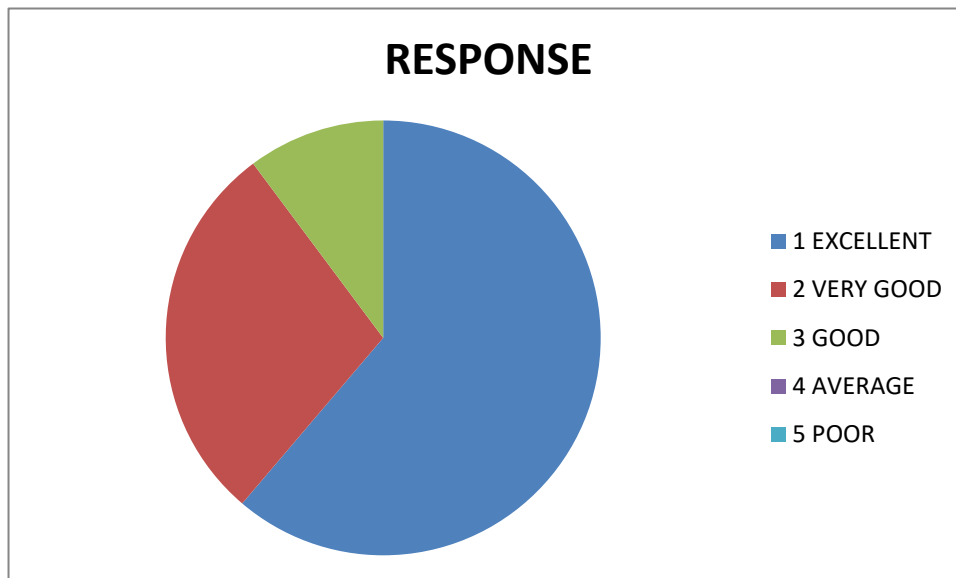
- Around 28% people say that presentation of jasmine organic room freshener is excellent.
- Around 14% people say that presentation of jasmine organic room freshener is very good.
- Around 9% people say that presentation of jasmine organic room freshener is good.
- Around 0% people say that presentation of jasmine organic room freshener is average.
- Around 0% people say that presentation of jasmine organic room freshener is poor.



PRESENTATION OF JASMINE ROOM FRESHENER :

SR NO.	PARTICULAR	RESPONSE
1	EXCELLENT	30%
2	VERY GOOD	14%
3	GOOD	5%
4	AVERAGE	0%
5	POOR	0%

- Around 30% people say that presentation of lavender & peppermint organic roomfreshener is excellent.
- Around 14% people say that presentation of lavender & peppermint organic roomfreshener is very good.
- Around 5% people say that presentation of lavender & peppermint organic roomfreshener is good.
- Around 0%people say that presentation of lavender & peppermint organic roomfreshener is average.
- Around 0% people say that presentation of lavender & peppermint organic roomfreshener is poor.



Object48

RESEARCH EXPERIMENTRECIPE

LIQUID AIR FRESHENER :

- ROSE AIR FRESHENER :

- Preparation time : 2 hrs

- Making time : 10 min

- o INGREDIENTS :

- 1 kg rose flowers .
- 100 ml olive oil.(or any other non favourable oil)
- 60 ml solvent water .
- 80 ml volume spray bottle .
- Water for double boiler .

METHOD :

- For Rose Essential Oil : - Take 1 kg of rose petals.
 - Boil it on double boiler in olive oil.
 - Boil it until all the rose extract comes in olive oil and it smells like rose flower .
 - Once it is ready , strain rose essential oil in another container .
- For Rose Air Freshener : - Take 60 ml solvent water in the 100 ml of spraybottle .
 - Add 30 ml of rose essential oil in it .
 - Mix it & shake well and spray as needed .

- JASMINE AIR FRESHENER :

- Preparation time : 2 hrs

- Making time : 10 min

- o INGREDIENTS:

- 1 kg jasmine flowers
- 100 ml olive oil
- 60 ml solvent water
- 100 ml volume of spray bottle
- Water

METHOD :

- o For Jasmine Essential Oil :
 - Take 1 kg of jasmine petals .
 - Boil it on double boiler in olive oil .
 - Boil it until all the jasmine extract comes out and oil smells like jasmine flower.

- Once ready , strain the jasmine essential oil in another container .
- o For Jasmine Air Freshener :
 - Take 100 ml of solvent water in spray bottle .
 - Add the jasmine essential oil in it .
 - Combine it and shake well and spray as needed.

GASEOUS AIR FRESHENER :

■ GREEN APPLE AIR FRESHENER :

- Preparation time : 2 ½ hrs
- Making time : 20 min
- o INGREDIENT :
 - 2 green apples
 - 100 ml olive oil
 - Gel candle wax
 - Broad thread
 - Shell & other decorative things
 - Water
 - Transparent glass or container

METHOD :

- o For Green Apple Essential Oil :
 - Take 2 green apples .
 - Cut it in small pieces .
 - Boil it on double boiler in olive oil.
 - Boil it until all the green apple extract comes out and oil smells like green apple .
 - Once ready, strain the green apple essential oil in another container .
- o For Green Apple Room Freshener :
 - Take the candle gel wax .
 - Melt it on double boiler .
 - Now add the green apple essential oil in it .
 - For the decoration use shells in the transparent glass .
 - Put the thread from the bottom of the container till the top.
 - Pour the wax in the glass .
 - Let it cool for 20 to 30 mins and let it set their.
 - The air freshener candles are ready ,now lit the candle and feel fresh by the smell .

■ NIGHT QUEEN AIR FRESHENER :

- Preparation time : 2 ½ hrs
- Making time : 20 mins
- o INGREDIENTS :
 - Night queen flowers

- Olive oil 100ml
- Gel transparent candle wax
- Broad thread
- Shells and other decorative things
- Water

METHODS :

- o For Night Queen Essential oil :
 - Take 1 kg of night queen petals.
 - Boil it on double boiler in olive oil.
 - Boil it until all the night queen extract comes out and oil smells like night queenflower.
 - Once ready, strain the night queen essential oil in another container .
- o For Night Queen Essential oil :
 - Take the gel wax .
 - Melt it on double boiler and add the night queen essential oil in it .
 - For decoration use shells and other decorative things as per your need .
 - Put the thread from the middle of the container till the top .
 - Pour the wax in the container & let it cool for at least 20 to 30 min and let it settheir .
 - The air freshener candles are ready ,now lit the candle and feel fresh by the smell .

SOLID AIR FRESHENER

■ LAVENDER AND PEPPER MINT AIR FRESHENER:

➤ Preparation time : ½ hour

➤ Making time :1 hour

o INGREDIENTS :

- ½ Lavender flower
- ½ Peppermint leaves
- 100 ml olive oil
- Gelatine
- 1 tbsp baking soda
- 1 tsp salt
- 1 tsp food colour
- Transparent glass container
- Water

METHOD :

- o For Lavender & Peppermint Essential oil :
 - Take lavender and peppermint leaves .
 - Boil it in olive oil on double boiler.
 - Boil it until all the lavender and peppermint extract comes out and oilsmells like lavender and peppermint.
 - Once ready ,pour the lavender and peppermint essential oil in anothercontainer.

- o For Lavender And Peppermint Air Freshener :
 - Take the 1 cup tap water in the glass container.
 - Add 2 tbsp gelatine in it .
 - Add a pinch of salt and 1 tbsp baking soda in it.
 - Add the lavender and peppermint essential oil in it.
 - Mix it well with the help of spoon and let it set for ½ hr.
 - Air freshener is ready , put it in any close room or car and it will smell veryrefreshing .

▪ MOGARA AIR FRESHENER :

➤ Preparation time: ½ hrs

➤ Making time: 1 hrs

o INGREDIENTS :

- Moraga flowers 1 kg
- 100 ml olive oil
- Gelatine
- Food colour
- water
- baking soda
- Salt
- Glass container (transparent)

METHOD :

o For Mogara (Jasminum Sambac) Essential Oil :

- Take mogara petals.
- Boil it in the olive oil on double boiler .
- Boil it until all the mogara extract comes out and oil smells like the mogaraflower .
- Once ready , pour the mogara essential oil in another container.

o For Mogara Air Freshener :

- Take the 1 cup tap water and add 2 tbsp gelatine in it .
- Add a pinch of salt and 1 tsp of baking soda in it .
- Add the mogara essential oil in it and mix it with the help of spoon .
- Let it set for ½ hr .
- Air freshener is ready , put it in any close room or car and it will smellrefreshing.

METHODOLOGY

METHODOLOGY :

It is the systematic , theoretical analysis of method to a field of study . It comprises the theoretical analysis of the body of methods and principles associated with a branch of knowledge . Typically , it encompasses concept such as paradigm , theoretical model , phases and qualitative techniques .

RESEARCH DESIGN :

It is the back bone of the study which has to be carried out in a proper and systematic way .The experimental method of research design was adopted due to the nature of the study .

SELECTION OF AREA :

The researcher carried out the experiments in the -Kitchen Of – Tuli College Of Hotel Management and Catering Technology , Nagpur with the prior consent of the principal of college , for which the researcher first developed the attributes profile for the products , then the recipe was developed and primary ingredients were chosen . After this air freshener is made and finally sensory evaluation was done .

SELECTION OF SAMPLES :

After the completion of the laboratory experiments and the products deemed safe for testing ,the products were given to the faculties and were requested to conduct sensory evaluation test .

SAMPLE SIZE :

Sample was limited to 50 feedbacks only.

SAMPLING UNITS :

The testing unit chosen by the researcher was Tuli College of Hotel Management where the researcher had carried out the actual experiment and got it tested by the internal faculties only.The testing unit chosen by the researcher was the following hotels of Nagpur city :

- Centre point hotel
- TDS restaurant
- Sigri restaurant
- Heritage hotel

DATA COLLECTION :

In order to give the information about the study the researcher collected the data from two main sources which were :

PRIMARY DATA :

Primary data collected through the Hedonic rating scale card which was designed to get the panellist acceptance on certain attributes of the product such as appearance/fragrances/creativity/presentation . Sensory tests were carried out at the staff room of Tuli College place where they were available in the room

,with white light , controlled ventilation , and away from distractions like noise ,odours, etc. The Hedonic rating scale card was given to the faculties and after tasting they were requested to fill the scale card .The sample of the Hedonic rating Scale card has been attached in the annexure.

SECONDARY DATA :

Secondary data was collected by referring various books ,websites, journals , electronic media and encyclopaedia and all reference have been duly acknowledged in the reference .

ANALYSIS of DATA :

The collected data was done in the form of the scorecard and organized segment –wise . The statistical package for social science (SPSS)17.00 and MS-EXCEL package was utilized for analysing the data.

SUMMARY &CONCLUSION

In this chapter the findings from the score card that was collected from the faculties during the period of 05 February to 25 February 2020 has been presented.

The researcher enrolled in B.sc of Hotel Management And Catering Technology program at the Kavikuluguru Kalidas Sanskrit University , Ramtek , was given an assignment to develop unique product mainly highlighting on the making of organic air freshener and diffusers .The researcher was informed to the technical and comprehensive knowledge in making of organic room freshener product development and demonstrate the ability to adapt to professional situation using her creativity , analysis , synthesis , evaluation, and interaction. Six air fresheners were created by the researcher, conducted the sensory evaluation tests to assist in predicting if these products would be accepted by the faculties. Respondent included 15 faculties from Tuli College of Hotel Management and remaining 35 employees from different hotels and restaurants were given a sample, who were healthy ,had no allergies and who did not have any great aversion to any specific air freshening product were selected as the respondent. The researcher developed the pertinent scorecard in which she wanted the answer and used this to identify the most suitable test that should be used. After the data was collected the appropriate statistical analysis was done to make conclusion and decision with respect to the product development .

Conclusion

The study can be conducted on the following basis :-

Appearance

All the products can have more acceptance as their appearance was quite good. According to the researcher it should have good demand than it is now for the systematic room fresheners.

Fragrance

The product has very refreshing fragrance and they smell pleasant as the fragrance contains natural extracts of flora of the botanical importance like rose, jasmine, lavender, etc.

Creativity

The product is quite creative as the cautions for making it friendly for the consumer also focusing on the green aspects of the product creation. The product is very creative and can be made in lots of varieties and it is organic, it is beneficial for the hotel and can be cost effective and long lasting quality and refreshing aroma.

Presentation

The product can be more attractive, than it is made. It can be more decorative, that if it is presented to any hotel, they should accept it for the use in hotel rooms and in front of guest, that are going to stay in hotel. The packaging part is yet into the pipeline as the researcher focus mostly on manufacturing or production part of the room freshener. The brand name and packaging can give more effect during promoting the same.

Liquid

The researcher have calculated tentative cost of the product as 60 rs per 10ML

Solid

The researcher have calculated tentative cost of the product as 60 rs per 10ML

Gaseous

The researcher have calculated tentative cost of the product as 60 rs per 10ML

Hence the researcher concludes that the organic room freshener can be effectively sold and offered to hotel everywhere as it adds to the green value of the hotel. The above study will conclude that the organic room fresheners are very acceptable by the hotels and the environment. The room freshener is usable in the hotels environment where there is other odours of food and other bad odours. The hotels can use this freshener anywhere in the hotel, as it is organic it is not harmful for anyone.

SUGGESTIONS & RECOMMENDATION

- The researcher would like to suggest that , the product should be marketed because it is organic. The product, which is made by researcher is totally free of synthetic products and also free of any chemicals or chemically made products.
- As it is organic the product should be costly. Because , the organic product are on high demand and according to the researcher they should be costly.
- The product, which are made are very presentable so that they can be used in hotel room, as they are chemical free there is no other side effects of this product, the products are not for the guest in the hotel.
- Is the perfectly for the hotels and for the guest which are going to stay in hotel. The products are very good in appearance, fragrance, creativity and presentation and beneficial for human health, especially for those who have health problem such as asthma, or any other health issues.
- The researcher suggests marketing this product as much as possible. Because, it does not have any disadvantages it only creates the soothing, calm and fresh stay for the guest.

Liquid

The researcher has calculated tentative cost of the product as 60 rs. per 10ML

Solid

The researcher has calculated tentative cost of the product as 60 rs. per 10ML

Gaseous

The researcher have calculated tentative cost of the product as 60 rs per 10ML

Hence the researcher concludes that the organic room freshener can be effectively sold and offered to hotel everywhere as it adds to the green value of the hotel.

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ANNEXURE – 1

SCORE CARD

Name : _____ Date : _____ Designation : _____ Age : _____ Address : _____
Gender: _____ Email : _____ Contact no. : _____

For the given sample the quality ,fragrance , & concept of “making of organic room freshener “which also mark the following point

Room freshener	appearance	fragrance	Creativity	presentation	total
Green apple(g)					
Night queen(g)					
Rose (l)					
Jasmine(l)					
Lavender peppermint (s)					
Mogara (s)					

- Score card use for hedonic rating fragrance.
- 5- excellent ;4- very good ; 3 – good ; 2-average ;1 – poor
- Any suggestion:

Signature