

WALL MOUNTED STORAGE FOR HOME APPLIANCE DESIGN

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ABSTRACTS

Small items such as keys, but its precious often to go to unnoticed in the way storage. When the object is out of sight, then we would be bothered to look for it. Habits someone to put or accumulate goods are not in place, it can be a big problem just for losing the object on the stack of goods created. Such of that it is a habits influenced by many factors, one of which is the level of stress experienced by the person. The high mobility and daily activities can cause fatigue and reduced levels of concentration that causes the habit of piling the goods. The biggest target is household appliances closest to the entrance, be it a table, chair, closet, and so on. If such a habit is not offset by custom to spruce up the place. The result will in the accumulation of goods in addition to harming users, and reduce the aesthetics of the room. Therefore, it needs a household appliance that can improve the habit of piling these items. Method survey conducted by distributing questionnaires online. The survey aims to determine the target habits and desires against the target of a product for helping to organize the goods - small valuable items.

Keywords: home appliances design, storage, habits

1. INTRODUCTION

Indonesia is a country with a population of 237 556 363 inhabitants (according to the 2010 census) where as many as 108 210 000 inhabitants and number of 74.94 million workers work more than 35 hours a week. This does not is compounded by number of students / students who daily go to study. Taking the case of the city can be seen every day jams caused by the number of vehicles on the roads. Every day long queues of vehicles became a familiar sight. These events frequently not just on main roads and arterial roads, but also on the streets expressway. According to data of the Directorate of Traffic Police Jaya number of vehicles in Jakarta has reached 13,346,802 units. The amount is comprised of 9,861,451 units of two-wheelers, 2,541,351 units of the private car, car load of 581 290 units, and 363 710 units. That figure has not been coupled with the amount of freight that passed through the stretch which, according to data from the Directorate of Traffic (Dirlantas) Jakarta Police reached 859 692 fleets. Still according to the same source of growth vehicle in the Capital reaches 11%

per year, while the growth of is only 0.01 Cause jams in Jakarta is very big loss of material. The losses include wastage of fuel and time wasted and that does not include the loss of health and environmental damage due to pollution. Cause jams in Jakarta are very big loss of material. The losses include wastage of fuel and time wasted and that does not include the loss of health and environmental damage due to pollution.

The congestion in Jakarta not only cause loss of material, but also non-material losses. The loss of time barsama parents with children because of travel time, and increase stress road users are some examples of non-material losses from jams. Non-material losses are much more difficult to calculate. Demands of the profession with a dense working hours on daily requires them to face the high road mobility. This stress level would then affect how people behave on the pattern of his life. Hours of work that requires a person to leave in the morning and return home at night, not to mention plus jams that must be addressed to reduce the level of one's care on quality of life and their environmental. One level of

care that will decrease the level of environmental concern is that the local residential environmental. Community with the level of stress and high fatigue will tend to forget the good habits that should be considered. One example is the custom to put small items that precious moment I got home. Key - be it a house key or lock the vehicle - is one of the victim's ignorance of this high mobility society. Many key momentarily placed haphazardly got home and then forgotten to shut the other stuff. Only when will re-use someone will be bothered to look it up in the middle of a pile of stuff that he created himself happens when a sense of indifference to the environment. Keys are initially remembered placed at the site, will eventually were lost because of the many other goods stacked. Habit - a habit like this then be repeated every day until then not only key that will be a victim, but other important stuff underestimated. Starting from an ordinary person's place in the area to put the goods at the time he entered into the house or room, then spread to other places. It happens then is the home state of the mess by piles of goods - goods. Observing such conditions, a product for storing or coordinating objects - small but essential objects, such as keys, need to be created. The products are part of a home appliance that helps users to organize work goods, these things come into the category of non-electrical of living ware.

2. HOME APPLIANCES

Home appliance can be translated as household appliances, has a sense as household objects used to facilitate its work. Home appliance itself is divided into two major categories, namely electrical and non-electrical appliance appliance. Electrical appliance subdivided into two categories: major appliances (eg washing machine, refrigerator, stove, etc.) and small appliances (eg, coffee maker, toaster, blender, etc.). Categories of non-electrical appliance itself commonly referred to as homeware or household appliances and non-electric can be categorized by location that the use of kitchen ware (eg, plate, knife, spice rack, etc.), bathroom ware

(eg shower, towel holder, wash stool, etc.), living ware (eg, cabinet, rack, etc.) and outdoor ware (eg hose, grill, canopy, etc.).

3. GOALS

- Creating the design of a product to organizing small items but important
- Creating a product design that can change the habit patterns accumulate goods due to higher levels of stress from the high of mobility

4. METHODOLOGY

Method of survey done by distributing questionnaires them online. The survey aimed to determine the effect on the habits of the target users and desire of use of of a product targeted to help organize small items valued.

Based on input data from respondents who obtained through a survey that found the desire of consumers to have the object storage products. According to a survey, then the product will be made to meet the storage requirements are divided into three priorities that primary, secondary and value plus. The primary priority is a key store. Secondary storage is important papers such as letters, bills, tickets, etc. Last is the product has value plus as a place to store watches, flash, hats and scarves. to Fulfil the desire of the product it is recommended to use space-saving wall mounted system on the product. Wall mounted or in Indonesian is planted into the wall, it means the product will have a location into the wall. It is affected also to answer to the many respondents to the furnishing that were on the floor so as to filled the room. By using a wall mounted system will provide more space on the floor so that it will give an impression a wider in rooms respondent wishes to regulate the type of goods, then the product will have a design with a hook system that can be used to hang various types of goods as well as storage space to separate types of goods. hook is used to facilitate the user in reaching objects that are often to be used and are required to easily picked - for example the key. Finally, to make the product seem still clean it will combine a variety of materials with a

material that has the properties of translucent. In addition impressed are clean, use a translucent material will allow the user to know what objects are in storage.

5. TARGET MARKET

Being the target market of this product is the men and women who were studying or who worked in the productive age (ranges from age 20-30 years old), which usually has a dense and of mobility activities outside the home are very high. Users with this background is usually at most have a habit to accumulate goods. Then the target market are those who has obtained young spirit. People who follow a growing trend.

6. ANALYSIS

Products are planned and designed in accordance with the conditions in 2016, as the target product marketing. style design will be taken from the movie and the great activities that will be a lot happening. Events that occurred in 2016 is a lot of things related to space, such as the release of commercial aircraft that serves as hotel space. For movies, will release a lot of science fiction movies various will also use a lot of background theme of outer space and advanced technology, such as Star Wars and Avatar 2.

Colors used will also affected from a movie called Star Wars and Avatar 2, that will be a lot of use of white as the base color and light blue color. Blue color is used because it has a calming effect, so as to reduce the level of stress felt by the the user. The use of fluorescent colors used on the use of paint glow in the dark, so that when the visible light is white and the dark time will appear in blue neon. The use of glow in the dark paint will also make it easier to users to see location products in the darkness, as well as a reminder of the objects should be stored in the product.

This product adopts the shape of a constellation cassiopeia formation. Cassiopeia is a constellation visible in the northern sky, named after Queen Cassiopeia in Greek mythology, who boasted about her unrivaled beauty. In Greek mythology, queen Cassiopeia

sentenced to be constellations in the sky by Poseidon. Finally constellation Cassiopeia placed at the north pole where it can be seen clearly because of its distinctive shape, and is seen most clearly in November. Five point star that forms a distinctive letter W will be the basis of the shape of the design used.

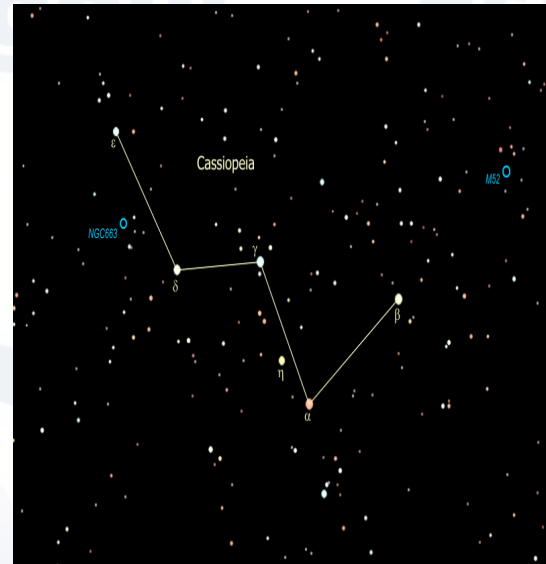


Figure 1. cassiopeia formation

Brainstorming sketch

In the design process, the first step to do is find a picture that would be a reference design style. With the Related Keywords are used: organic, geometric, neon and glass.



Figure 2. Keyvisual

Key Visual



Figure 3. Keyvisual

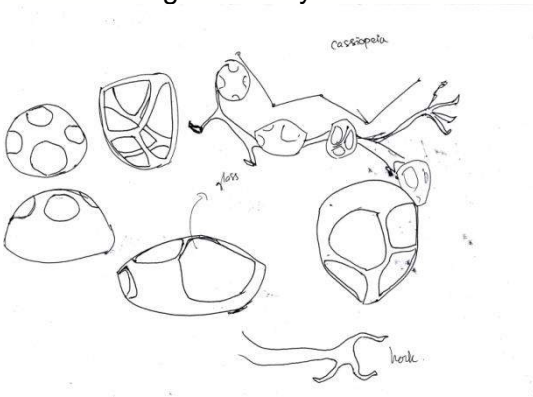


Figure 4. Brainstorming ideas

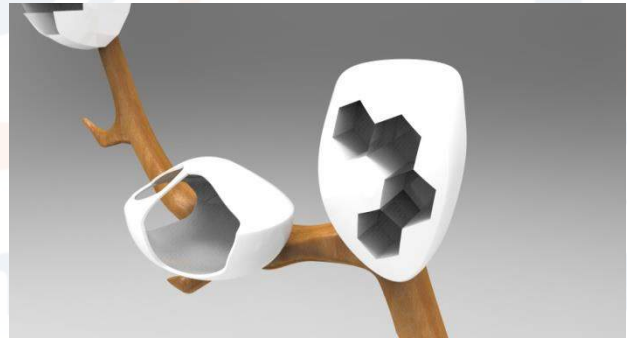


Figure 6. Compartement of storages



Figure 7. Compartement of storages

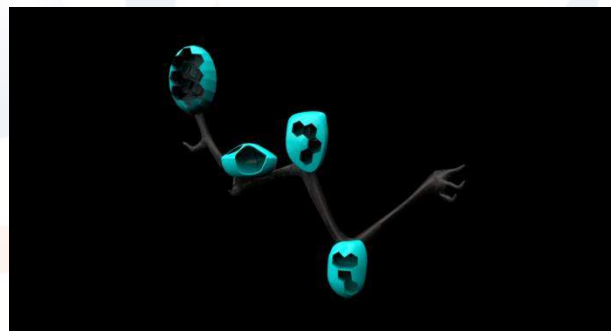


Figure 8. Glow in the dark



Figure 5a. Final 3D

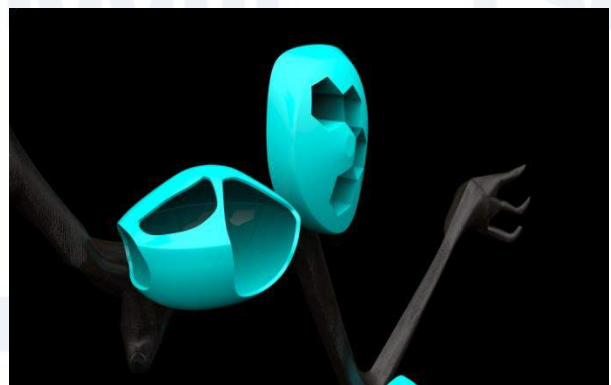


Figure 9. Glow in the dark

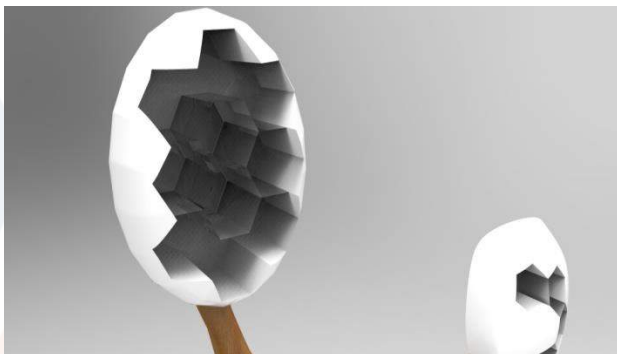


Figure 5b. Compartement of storages

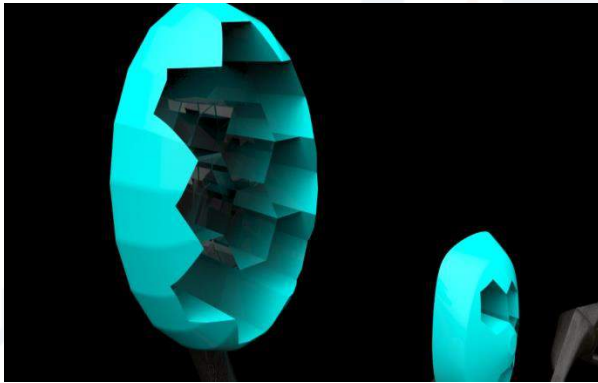


Figure 10a. Glow in the dark



Figure 10b. Glow in the dark

7. CONCLUSION

The conclusion that can be taken from the design wall mounted hook are:

1. Design a product that has a good storage function by hanging objects or placed in an insulated compartment making it easier to organize and retrieval efficiency of goods.
2. Product design has a color that can glow in the dark, making it easier to find the location and a reminder of the habit by placing the object in its proper place.
3. The selected color are blue because it has a calming effect that can reduce the level of stress experienced by the user. The design are planted wall to minimize the use of space so that giving more space to the user.

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