

HERBOCHI, RESEARCH EMOTIONAL OF THE GLASS

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Abstract: Researcher is a scholar who can, or will in time through learning and experience, demonstrate specialized knowledge or expertise, conceptual and intellectual capacities such as the ability to identify and frame key problems, to think critically and analytically, and to generate and communicate interesting and original insights. Scientific research adheres to a set of strict protocols and long established structures. The correct and most common term used in science is that we are conducting a literature review. Undergraduate students, master degree students, PhD students or other discipline students must finish their research before graduate. Research mostly make student impressed, oppressed, depressed, and more research emotional aspect. Cognition and emotion is two aspect who affect researchers. Scientists now understand that emotion is a necessary part of life, affecting how people feel, how people behave, and how people think. Beside that glass is a ubiquitous material in modern life. It's used in windows, tableware, containers, jewelry, and of course much more. Glass was discovered more than 5,000 years ago. Glass takes one million years to break down naturally. Glass can be recycled an infinite number of times without loss any loss of quality. Herbochi recycling glass to unnormal and unpredictable art glass that designing research emotional into the glass. Grand student especially under research will find their soul in every transformation of herbochi design.

Keywords: *Herbochi, Glass, Recycle Glass, Research Emotional, Emotional Design.*

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1. Introduction

Design is the creation of a plan for the construction of an object or a system. Designing often necessitates considering the aesthetic, functional, economic, and sociopolitical dimensions of both the design object and design process. Design maybe be a substantive referring to a categorical abstraction of a created something¹. Several components of product design are usability, aesthetics, and practicality. In creating a product, there are many factors to consider like the choice of material, the manufacturing method, the way the product marketed, cost, and practicality. But what many people don't realize is that there is also a strong emotional component to how products are designed and put to use. The emotional side of design may be more critical to a product's success than its practical elements².

Glass is a rigid material formed by heating a mixture of dry material to a viscous state, then cooling the ingredients fast enough to prevent a regular crystalline structure. As the glass cools, the atoms become locked in a disordered state like a liquid before they can form into the perfect crystal arrangement of a solid. Silicon dioxide is the main component of glass. Soda ash or potash helps glass formers melt at lower temperatures and Calcium oxide keeps the finished glass from dissolving, crumbling, or forming unwanted crystal. The color of glass may be changed by adding metallic oxides to the batch. Examples of common colorants include iron (green), copper (blue), manganese dioxide (purple), cobalt (dark light), and gold (deep red)³. Glass is a ubiquitous material in modern life. It's used in windows, tableware, containers, jewelry, and of course much more. Glass was discovered more than 5,000 years ago and takes one million years to break down naturally⁴. Glass can be recycled an infinite number of times without loss any loss of quality and is one of the few materials that can be recycled infinitely without losing strength, purity or quality⁵.

Researcher is a scholar who can, or will in time through learning and experience, demonstrate specialized knowledge or expertise, conceptual and intellectual capacities such as the ability to identify and frame key problems, to think critically and analytically, and to generate and communicate interesting and original insights⁶. Scientific research adheres to a set of strict protocols and long established structures. The correct and most common term used in science is that we are conducting a literature review⁷. Undergraduate students, master degree students, PhD students or other dicipline students must finish their research before graduate. Research mostly make student impressed, oppressed, depressed, and more research emotional aspect. Cognition and emotion is two aspect who affect researchers. Scientists now understand that emotion is a necessary part of life, affecting how people feel, how people behave, and how people think².

For many centuries, people all over the world have created and valued pictures. Everywhere we gaze, and at every turn, we see images about the world that provide us with a language of visual communication. Photographs are of great importance because of their ability to communicate

about issues, places, and people. Arts photography is thorough and complex, with delineation being discovered in how we visually communicate our emotion. Emotions are caused by a perceived positive or negative significant change in our personal situation⁸. Here, we try to sync between glass waste, research emotional, and photography into the art glass called Herbochi.

2. Research Question

1. How to design recycled glass into the art glass (Herbochi)?
2. How to put research emotional into Herbochi?
3. How photography increase art value of Herbochi?

3. Methods

Herbochi design process conducted in Kelengkeng street No.26 Batu – East Java. The steps to make Herbochi include collect glass former, then wipe, cut to design, and start designing Herbochi.

4. Results and Discussion

The golden rule that will fit everybody, this is it have nothing in your houses that you do not know to be useful, or believe to be beautiful. Unique design can be unusable, unique squat and chubby nature, and complicated but practical². Herbochi design to increase value the glass waste not only for their function of the thing or souvenir, but because they are sculptural artwork. Here, design is important to build Herbochi, the Herbochi design depends on the mood to create research emotional into the glass. Perhaps more important, each conveys a researchers meaning and a wonderful story it tells. Herbochi also illustrate three different aspects of design include visceral, behavioral, and reflective. Visceral design concern it self with appearances. Here is where the herbochi excels, I so enjoy its appearance, especially when filled with the light. Behavioral design has to do with the pleasure of use. Finally, reflective design considers the rationalization and intellectualization of a Herbochi.

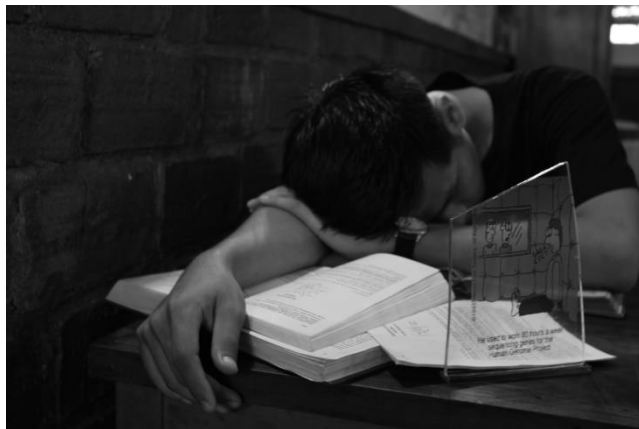


Figure 1. Herbochi with student work around the clock.



Figure 2. Visceral design of Herbochi.



Figure 3 & 4. Reflective design of Herbochi.



Figure 5. Herbochi with lower motivation student.

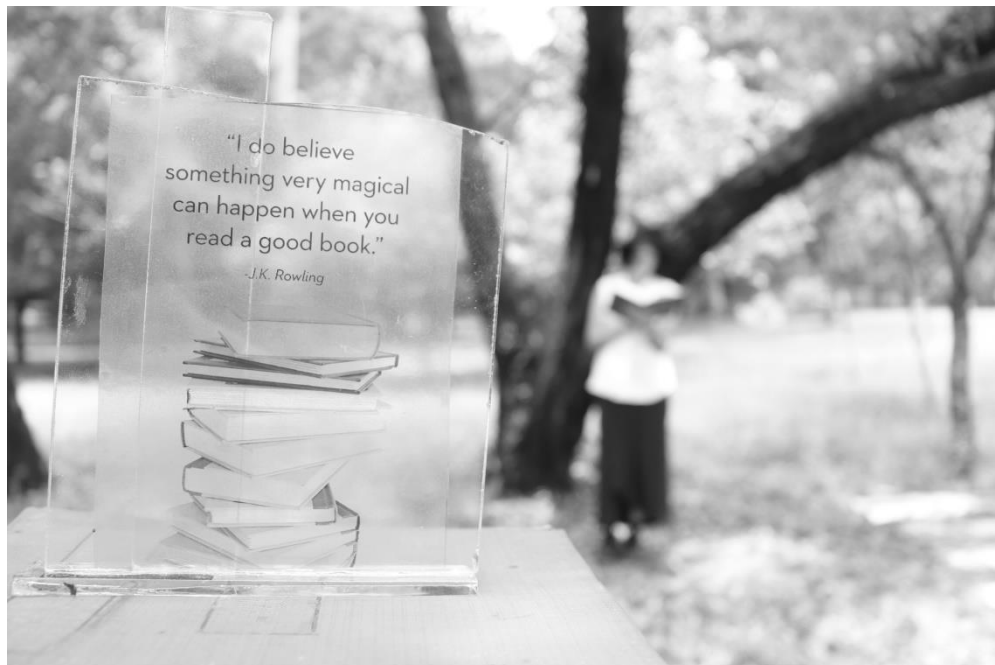


Figure 6. Visceral, behaviour, and reflective design of Herbochi.



Figure 7. Herbochi with student who work hard all the time.



Figure 8. Herbochi lighten up the laboratory.

Herbochi design to transform recycle glass with grand student emotions, learn from glass, bring waste glass into valuable mind, a creative art glass (unique, unnormal, and un-predictable shape), 100% made from waste glass, and created simplify like home industry. Grand student will find back their soul in every deep transformation of waste glass and get unforgettable experience. Herbochi will create a new goal of grand student that offering experience of transformation creative waste glass. This art glass showing academic life especially for under research student (work around the clock, there are no sick day, worked hard all the time, probably be dead but graduate, endless requests and revisions, lower of level motivation, student with personal space issues, student who follow every professor word, the power of critical idea, student who have doubts about becoming a professor, there are only days where you get behind word, vortex of unproductivity, and much more). Every student will smile with this glass because Herbochi transform pain, panic, insomnia, and another condition and sensation that face by researcher during research into unique and creative art glass. This art glass can be use for refreshing mind during research and offering scientist comforty. They will find back their enthusiasm with this art glass because this art glass help to remind the filosophy of their life.

5. Conclusion

Recycled glass can be transform into the art glass with simple methods which has been described previously. Emotional design and photographic techniques can increase the value of the art glass. Grand student especially under research will find their soul in every transformation of herbochi design.

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