ASSALAMU’ALAIKUM WARAHMATULLAHI WA BAROKATUH

SALAH SATU PROGRAM YANG CUHUP PENTING DALAM AICAD 2017 ADALAH LOMBA POSTER INVENTION. LOMBA INI MENANTANG KEPADA PARA SENIMAN ATAU DESAINER UNTUK MEMPERSEMBAHKAN KARYA TEMUAN YANG BERSIFAT INOVATIF, KREATIF, DAN MULTIGUNA. YANG DITAMPILKAN MELALUI MEDIA POSTER.

DARI 18 KARYA YANG MASUK KE MEJA PENJURIAN, YANG BERSAL DARI BERBAGAI PERGURUAN TINGGI SENI/ DESAIN DI NEGARA INDONESIA DAN SIKAN, BA HKAN SEBAGIANNYA LAYAK UNTUK DIPRODUKSI DAN MENGHASILKAN NILAI EKONOMIS YANG CUHUP SIGNIFIKAN.

SELAMAT KEPADA SELURUH PESERTA DAN PARA PEMENANG. JANGAN BERHENITI BERINOVASI, BERKREASI, DEMI KEMAJUAN DUNIA SENI DAN DESAIN Khususnya, DAN DEMI KEMASLAHATAN UMAT MANUSIA.

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KETUA TIM JURI INVENTION

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Project Abstract

Ants are insects that mainly live in colonies. They are attracted to substances that are sweet, this is because ants need a source of glucose for their nourishment. Glucose is mainly found in food that is sugar based, this attracts ants to our food. One of the ways that is used to find off ants is by placing water around the food. But this is not effective. Another way is by using chemical ant repellent chalk, but these chalks contain chemicals and is not human friendly. Therefore there is a need to innovate a product that can repel the ants, but is also environmentally friendly.

Problem Statement

A lot of Indonesians enjoy sugary and sweet food and beverages, and while doing many activities is also accompanied by snacks and drinks, that is why we can find many ants surrounding our activities, because we are surrounded by food. That is where the idea of KIMON came up. This product can be used as a food and drinking utensil, but it can also repel the ants that are approaching our food. Besides design innovation, the materials used are also easily obtained, environmentally friendly, and has a pleasant aroma.

Methodology

Research

1. Data Collect
2. Analysis opportunities

Visualize

1. Brainstorming
2. 2D Concept

Medium Exploration

1. Ceramic form
2. Composite

Execute

1. Joining material
2. Aesthetic Value

optimize

1. User Experience
2. Evaluation

Novelty

KIMON (Ceramic Cinnamon) is an innovation that combines ceramic material and natural composite. It will be applied in a design of tea sets that will follow the Indonesian Trend Forecasting of 2017-2018 which is Archeon. Besides aesthetics consideration and the ant repellent function, it is hoped that the aroma of cinnamon will also enhance the tea drinking experience.

Commercial Potential and Project Target

The potential to realize this product is big. Geographically Indonesia has plenty of clay for production, and the human resource needed to produce it is also available in a form of Small Medium Enterprises (SME)'s which can use the simple combining process for this product.
ABSTRACT
ANTS ARE INSECTS THAT MAINLY LIVES IN COLONIES. THEY ARE ATTRACTED TO SUBSTANCES THAT ARE SWEET. THIS IS BECAUSE ANTS NEEDS A SOURCE OF GLUCOSE FOR THEIR NOURISHMENT. GLUCOSE ARE MAINLY FOUND IN FOOD THAT ARE SUGAR BASED. THIS ATTRACTION ANTS TO OUR FOOD. ONE OF THE WAY THAT IS USED TO FEND OFF ANTS IS BY PLACING WATER AROUND THE FOOD. BUT THIS IS NOT EFFECTIVE. ANOTHER WAY IS BY USING CHEMICAL AN INSECT REPELLENT CHALK. BUT THESE CHALKS CONTAINS CHEMICALS AND IS NOT HUMAN FRIENDLY. THEREFORE THERE IS A NEED TO INNOVATE A PRODUCT THAT CAN REPEL THE ANTS. BUT IS ALSO ENVIRONMENTALLY FRIENDLY.
ONE APPROACH THAT IS PRACTICAL AND ENVIRONMENTALLY FRIENDLY IS BY USING NATURAL MATERIAL THAT IS HARMLESS TO PEOPLE AND CAN REPEL THE ANTS FROM GOING NEAR THE SUGARY FOODS ARE: - CLOVE. THIS NATURAL HERB CONTAINS EUGANOL WHICH HAS A DISTINCT AROMA THAT REPELS THE ANTS. - CINNAMON. IT CONTAINS ATSIRI OIL, SINAMALDEHYDE AND ALSO EUGANOL. WHICH ARE SUBSTANCES THAT ARE NOT LIKED BY ANTS.
BY COMBINING THESE TWO NATURAL MATERIAL INTO A COMPOSITE POWDER FORM IT CAN PRODUCE AN AROMA THAT CAN LAST LONGER AND MORE PRONOUNCED WHICH CAN THEN BE APPLIED INTO A PRODUCT. THAT IS WHERE THE IDEA OF KIMON CAME UP. THIS PRODUCT CAN BE USED AS A FOOD AND DRINKING UTENSIL. BUT IT CAN ALSO REPEL THE ANTS THAT ARE APPROACHING OUR FOOD. BESIDES DESIGN INNOVATION, THE MATERIALS USED ARE ALSO EASILY OBTAINED, ENVIRONMENTALLY FRIENDLY, AND HAS A PLEASANT AROMA.

KIMON (KERAMIK CINNAMON) IS AN INNOVATION THAT COMBINES CERAMIC MATERIAL AND NATURAL COMPOSITE. IT WILL BE APPLIED TO A DESIGN OF TEA SETS THAT WILL FOLLOW THE INDONESIA TRENDS FORECASTING OF 2017-2018 WHICH IS ARCHEAN. BESIDES AESTHETICS CONSIDERATION AND THE ANT REPELLENT FUNCTION, IT IS HOPE THAT THE AROMA OF CINNAMON WILL ALSO ENHANCE THE TEA DRINKING EXPERIENCE. THE POTENTIAL TO REALISE THIS PRODUCT IS BIG. GEOGRAPHICALLY INDONESIA HAS PLENTY OF CLAY FOR PRODUCTION, AND THE HUMAN RESOURCE NEEDED TO PRODUCE IT IS ALSO AVAILABLE IN THE FORM OF SMALL MEDIUM ENTERPRISES (SME'S) WHICH CAN USE THE SIMPLE AND LOW COST COMBINING PROCESS FOR THIS PRODUCT.

KEY WORDS: CERAMICS, ANTS, COMPOSITE, ECO-FRIENDLY PRODUCT