

e - Proceedings



Proceeding for International Undergraduates Get Together 2024 (IUGeT 2024)

"Undergraduates' Digital Engagement Towards Global Ingenuity"



Department of Built Environment Studies and Technology, College of Built Environment, UiTM Perak Branch

Co-organiser:

INSPIRED 2024. Office of Research, Industrial Linkages, Community & Alumni (PJIMA), UiTM Perak Branch

Bauchemic (Malaysia) Sdn Bhd

Universitas Sebelas Maret

Universitas Tridinanti (UNANTI)

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Niskala As a Beauty Representation of Recycled Wood Installation

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ABSTRACT

An installation artwork titled "Niskala" comes from Sanskrit which means sturdy and strong by displaying the figure of an Octopus visualized in the form of a wooden installation on the ground. This is a challenge in itself to create an installation artwork that has aesthetic value. The method of creating artwork consists of the following 4 stages: conception of artwork, development of ideas, making artwork, and development of ideas, and completing the artwork. Starting from a childhood interest in the character "Ursula" with the visual of an Octopus in the underwater fairy tale fantasy titled "The Little Mermaid". The Octopus has legs attached to the head, in the form of eight tentacles with convex circles without bones. Its movements look beautiful, parachuting adds to the aesthetic value of the Octopus' color. Exploration of the shape and material that will be used is an important point. Imagining the shape of the work is poured out by making a sketch. The creation of the work refers to the approved design.

KEYWORDS: Installation, octopus, recycled, sustainable & wood

DESIGN DESCRIPTION

The firm posture of the Octopus object measuring 3000mm(L) X 3000mm (W) X 3000mm (H), and sharp eyes reflect courage in living life. The artwork natural brown color comes from the fibers of wood waste from furniture production, in order to reduce wood waste in the surrounding environment. The balance in this installation is related to the movement of each flexible arm shape. The difference in direction of movement and size of each arm shows the impression of freedom of expression. The structure of the head and a total of ten separate Octopus arms (Figure 1. a), makes it easy to adjust the position according to the available placement location and the overall width of the work can be as desired (Figure 1. b). The embossed texture of the tentacles gives the impression of being dynamic, aggressive, agile, and adaptable to circumstances. This work is expected to generate new enthusiasm for students and the surrounding community who see and explore its meaning. The process of creating 3D animation is a multi-faceted process, involving several stages such as conceptual design, modeling (Figure 2. a), rigging, animation (Figure 2. b), simulation, rendering (Figure 2. c), motion tracking, compositing, and video editing (Jie et al., 2024). Nomad and Blender are the main tools for creating this artwork.

NOVELTY AND UNIQUENESS

The head and ten arms structure (Figure 1.a) of the Gurita "Niskala" installation are made separately, creating uniqueness in the assembly of the work because it can be adjusted to the available placement location (Figure 1.b) and encouraging individual participation and collaboration with the environment to manipulate its elements. The results of recycling furniture wood waste which is easily obtained as the basic material for the work make the Gurita "Niskala" installation environmentally friendly in order to reduce the amount of forest destruction due to tree felling which causes global problems (Tambunan et al., 2022). It is easy to install on media with various textures with wooden material.





Figure 1 (a) Each part of the work consists of eleven parts

Figure 1 (b) The placement of the arms can be changed according to the location



Figure 2 (a) Modeling of the "Niskala" installation

Figure 2 (b) Animation of the "Niskala" installation



Figure 2 (c) Rendering of the "Niskala" installation



BENEFITS TO MANKIND

The concept of sustainable economy that emphasizes the balance of 3P Profit, People, and Planet encourages the creation of economic and environmental benefits, so that shared prosperity is achieved in the production process and its maintenance (Smith, 2016). This work uses recycled wood waste from furniture production to increase efficiency and environmental friendliness, as well as increase employment in the production process of the work, delivery, and maintenance without eliminating community welfare and quality of life. The planning of this artwork sustainable concept is expected to develop local economic that is in accordance with the conditions and potential of the production area of the Octopus installation work "Niskala" to access the global economic market.

COMMERCIAL POTENTIAL

This artwork can be mass-produced or repeated and has the potential to be produced with materials and sizes according to demand for educational purposes related to environmental awareness by prioritizing recycled materials as the basic materials, and providing lessons to the younger generation to always be confident, think smart, creative, with the potential that exists in themselves, through the character of the Octopus who always tries to protect himself and his children from predators among the coral reefs, by camouflage and releasing ink, even with the intelligence he has, the Octopus can solve problems that other mollusks cannot understand. The high mobility of the Octopus allows the Octopus to find prev even on the hidden seabed

(Hoffman, n.d.). Not only produced into physical works, this work can be adapted into VR (Virtual Reality) works, art lovers will easily interact, manipulate objects and even become part of the work itself (Parker & Saker, 2020). Just like how "Van Gogh Alive Jakarta" by Grande Experience showcases the works of Dutch artist Vincent van Gogh with VR (Virtual Reality) technology in Jakarta on July 7 - October 9, 2023.

CONCLUSION

The biggest challenge as an Academic Artist is learning new things and always creating innovations, both visually and conceptually. The inspiration for this artwork came from childhood memories of underwater fairy tales; especially the Octopus character who has flexible arms. It became a challenge for us to visualize the shape of the Octopus object in an installation artwork made from furniture wood waste recycled. Not just creating beautiful works, but this is a sustainable, environmentally friendly work of art, and encourages community welfare and their quality of life. The long and complicated process of working, providing a lot of new knowledge, new experiences, precision, perseverance, and patience are the keys to the process of working on this work. Discipline is the main thing that must be maintained consistently so that there is no delay in the work process time which will hinder the next process. Failure in creating a work is a natural thing, the most important thing is to maintain enthusiasm in working and always think positively.

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