

Bakat Muda Sezaman 2023

Title – Memento of Orion (A portable multi functional installation)

Proposal and artwork rational.

1. Artwork Statement.

The Planetarium Negara is where I grow up. Memories seeing the cosmos, large enigmatic beautiful photos of the stars and planets embedded deep in my subconscious. It was fun, mysterious and engaging.

And I want to bring and share this memory of mine to others at large especially to the students and kids from my hometown - Kelantan.

Why Kelantan?

Kelantan has many strategic places for stargazing exercise as they have minimal light pollution. My artwork called **Memento of Orion - is a portable installation designed as a geodesic dome** will be located at Balai Cerap Kota Bharu. It can be dismantled and travelled all over especially to interested schools and any other location in the country.

-Balai Cerap Kota Bharu.



Balai Cerap Kota Bharu will be the the specific location. Then the artwork will be dismantled and travel through any school and let the student experience and involve to this artwork.

2. The Geodesic Dome

Introduced by Buckminster Fuller, an American architect. The robustness and efficiency of geodesic domes are well recognised. The geometric pattern of triangles or polygons able to resist high levels of stress while employing little materials.

As a result, these sculptural form are lightweight while structurally practical and stable. Because of the dome's strength, huge, it can open interior areas can be created without the use of internal supporting columns - most importantly ventilation.

The dome structure are modular so I can dismantle, assemble to any different intended location or schools. Inside, visitors will be able to sit and experience

projections of interesting visuals. After they viewing of the screening, they head outside to participate in the stargazing activities.

3. Design Mock Up and Sketches.

3.1. Mockup of the project.

This is one of sample my project that can be the blueprint of the real work. This project more focus on the structure and visual making before we can focus more on the projection mapping inside the dome.



Picture 1: People can experience inside the dome.

(*sample of work)



Picture 2



Picture 3

Picture 2 and 3 is an example of crowd inside the dome to expect how many people can fit inside the dome. This is the data about the work that I will be make for the site location. Because of this data is sample that's why the screening inside the dome only half but on the final work it will be full display inside the dome.

3.2. Process making of dome.



Picture 4 : Mock Up

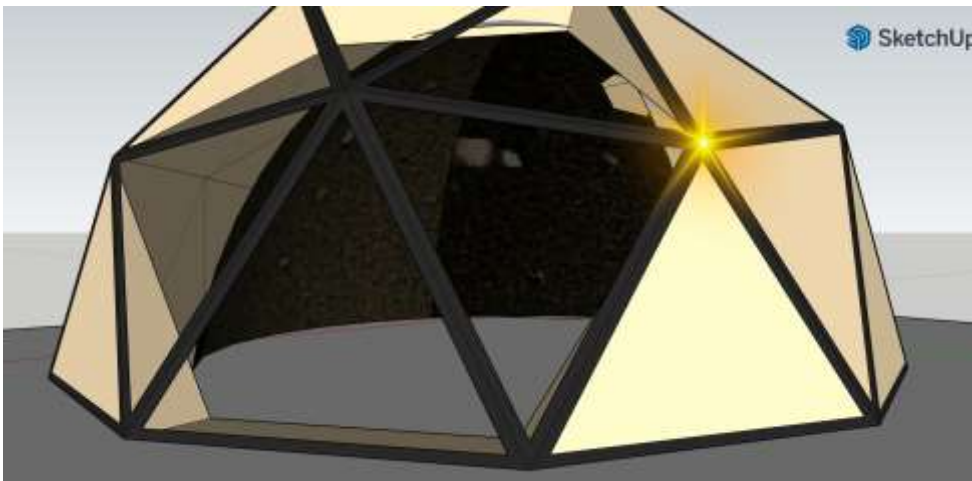


Picture 5 : Installation of the dome

Picture 4 is the mockup of the structure of geodesic 2v dome. This experience of me while install the structure of the dome using pvc pipes and cable tight only see picture 5, I wish to construct again similar installation but this time it will be complete immersion of planetarium. The shape of the dome will be stylized for ergonomic space to enter and exit. It will also be added wiring lights outside the dome as it will illustrate the constellation of the sky.



Picture 6 : Projection video inside the dome.



Picture 7

Based on the picture 6 is one of the video screenshot that will be played inside the dome on the projection video. We can imagine the projection scale on picture 7 wheres it will be full display inside the dome.

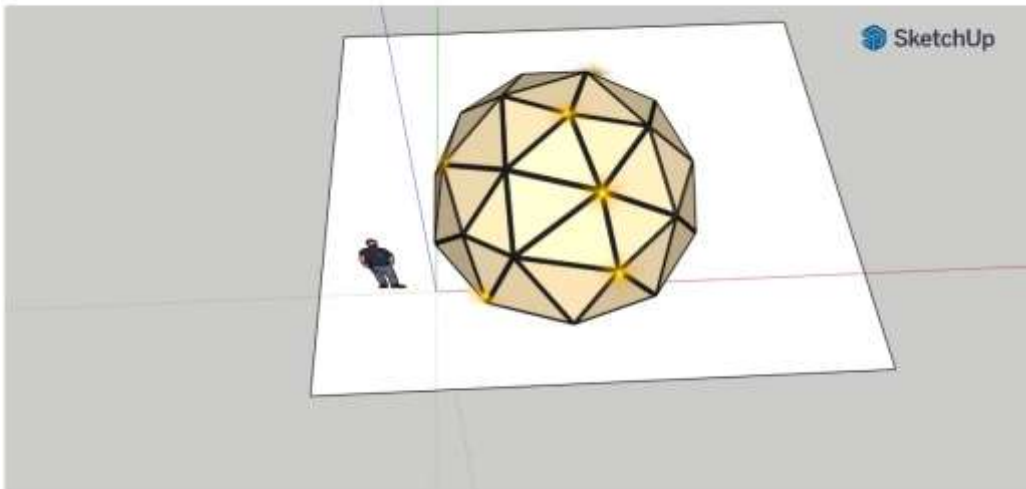
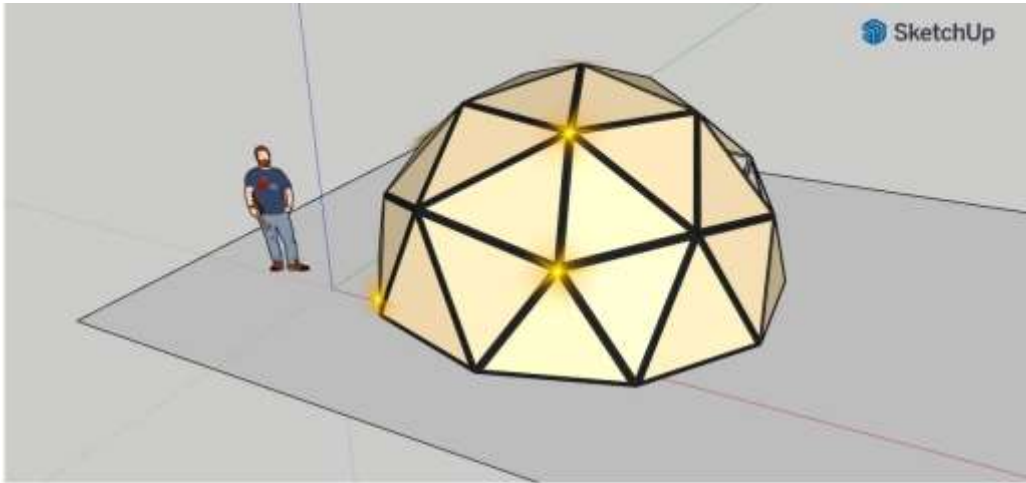
3.3. Scale photos of dome

As we see on the picture 7 we can estimate the scale of the dome. It may fits 6-7 young people and as for kids more than that. The diameter of the dome is 13' feet and the height is 6'5 feet. It may be bigger and can be bigger than the estimated size while making the work based on the location . Picture 8 are design on sketchup scale of adult human size.



Picture 8

List of material: PVC pipe, electrical wire and led lights, cloth and fabric



Picture 9

3.4. Examples of photos of deepsky object.

Picture below are photograph taken at Balai Cerap Kota Bharu, Kelantan. This is an example of what will be on the video and what will the student or people inside the dome will see. There will be more image of the constellation, deep sky object and galaxy to be shown.



Picture 10 : Andromeda galaxy



Picture 11: Orion Nebula

4. Community Involvement.

Memories is way to disseminate knowledge and encourage learning and curiosity. Science is an important subject. Sekolah Kebangsaan Peringat, Kota Bharu, Kelantan will be the first location for my work. Then we will find other school that can be collaborate for this work. Rather than school kids travelled to Planetarium Negara, we bring Planetarium Negara to them.

5. Ending Notes.

This installation requires many support from individuals, organizations and schools in terms of financial and logistics. I believe MEMORIES able to shed new lights, ways of liberating and presenting science subject in a more engaging way.

Please don't hesitate to contact me for any further information.

