

ABSTRACT

Ubay, Muchammad. 2014. **Design of Aeromodelling Sport Centre in Malang.**

Supervising Lecturer: (1) Dr. Agung Sedayu, M.T. (2) Aulia Fikriarini Muchlis, M.T. (3) Tri Kustono Adi, M.Sc.

Keywords: *Biomorphic*, Design of Aeromodelling Sport Centre in Malang, the analogy of the structure and form of the movement of *aves*, *the anatomical structur*.

Allah swt lowering a source of science in any creature his creation. Signs and a source of science is merely can be seen and understood by the people who are there thinking. Thinking is something that must be done to dig and learn everything that exists in nature. Because, human beings are provided with sense by allah swt for thought.

Nature is one of the evidence boons from Allah swt. Those who watch round about going to see that Allah swt has given the wondrous things out that countless. Wherever any living creature, of plants and animals, on land and at sea to be equipped with a certain bigness are awesome.

Nature is an excellent learning resource for human beings, and nature of many inspiring architecture. *Biomorphic* structures in architecture is the structure that take collaboration (partnership) between man and nature as a basic form of combined. This is born out of thought structure of oriented to nature and the environment. *Biomorphic* hold on the establishment of that nature itself is an ideal

construction in architecture. Channeling the style happens depending on the shape and working principles of natural beings, into the basic planning analogy.

Biomorphic as themes in the design of aeromodelling Sport Centre has a relationship and a strong background with model aircraft itself. Aeromodelling is a sport that takes a scientific source of living creatures such as birds or dragonflies. Building of aeromodelling Sports Centre with the theme of *biomorphic* will further raise the character of the function of the building itself. Moreover, when taking aves as objects the analogy.

The design of aeromodelling Sport Centre in Malang that uses the theme of biomorphic takes the analogy of structure from motion system and a member of aves. It is Expected to be able to bring up the character that prioritizes aeromodelling sport health of mind and body. Designing model aircraft that requires thought and expertise, as well as flying a model aircraft that require dexterity and physical readiness, will form a healthy sense of human, physical and spiritual.