ABSTRACT

Nowadays, the development of housing or residential coastal areas is increasing. In addition from large tracts of land, coastal areas also offer a new atmosphere for the community. The more housing which are built, it the more home furnishing needs also, as well as lighting. However there are some major factors that affect the durability of home furnishing at the beach residential, that is a high corrosion rates. This problem will make home furnishing easily damaged especially those parts that are made of metal. Metal which has been oxidized will be very dangerous to humans. Then It is required to find the right replacement for metal material that is pointed wood which is appropriate to the sustainable design concept to support viability in the future.

The purpose of this thesis is to make lighting set design which has sustainable concept for residential beach which can appropriately solve the problems of corrosion. The analysis used is studying metal replacement material which is resistant to corrosion, according to the development of coastal occupancy trend, and sustainable that include the use of energy-efficient lighting, eco-friendly material and space saving system. This analysis helpful in order to make the resulting design can solve the existing problems.

The result is a lighting set design which is able to be withstood from coastal areas climate and can enter into the concept of sustainable design. Sustainable in question is space saving, the system can save the dimensions of Lighting set itself so in shipping, the company can make more profit. From this concept has been created a 3D image, engineering drawings and prototypes.

Keyword: Lighting set Design, Sustainable, Made from wood, Energy saving, Space saving, Residential beach