

ABSTRACT

Utilizing pallet wood waste as wall panel material is a strategic step in offering an efficient and environmentally friendly solution. This research processes wooden pallets that were previously worthless into wall panels which function to improve the appearance and quality of the walls. The design results prove that wooden pallets have the potential to increase their economic value through the innovation of wall panels that are easy to install, even by people without special skills. Even so, there are several aspects such as durability, design and function that still need to be further improved, especially for adaptation in outdoor environments that face extreme weather. Apart from that, the cost budget calculation needs to be more detailed so that this product can be sold while still making a profit. Based on that, this research recommends further development in terms of installation, design and more accurate cost determination.

Keywords: Wood Pallet, Wall Panel, Sustainable.