

ABSTRACT

Rubber plants are plantation crops that have high economic value, the results of rubber plants in the form of sap or latex, then used as the main source of industrial materials, ranging from cooking utensils, medical devices, transportation, and others. Rubber fruit shells as the remaining agricultural products that have not been maximally processed by farmers, rubber fruit shells have great potential to be utilized into several interior elemen products. This research was conducted with the aim of utilizing rubber fruit shell waste in order to maintain the cleanliness of the Plantation environment and reduce the unpleasant odor produced by wet rubber fruit. This exploration process uses the ATUMICS method in order to find the appropriate Palembang songket motif to be applied with rubber fruit shells. This research is a process of upcycling rubber fruit shell waste with a qualitative approach and experimental method to find a combination of rubber fruit shell waste and composite materials that are strong and visually appealing so that they can be made into alternative materials in interior products. The material uses a combination of rubber fruit shells and composite materials such as wood glue, resin, eco-resin, and gasoline and sterofom mixed glue. This material can be applied to functional interior products or interior decoration products.

Keywords: *Exploration. Rubber Fruit Shell, Interior Elemen, Songket*