

ABSTRACT

Bagasse has the potential to be used as an alternative material in products because of its strength, durability and visual properties. However, efforts to utilize bagasse material remain focused on large-scale uses of low economic value. In this study, data was collected from the brown sugar industry. The results showed that the total bagasse produced in one village was 58035.6 tons per year. Therefore, bagasse has not been able to meet the demand for this scale. The purpose of this study was to explore bagasse to become an alternative material. The object of research is the exploration of bagasse waste. The data of this study were taken from the number of industries or sugar cane mills in Mirigambar Village. The research method used is the experimental method. Sampling was carried out by using experimental material exploration (trial and error) on the materials used. This study shows the results that bagasse can be used, namely, as an alternative material that is environmentally friendly, furniture material, a substitute for foam on sofas.

Keywords: *Bagasse, Material Exploration, Alternative Material for sofa foam.*