## *ABSTRACT*

*There are various ways to overcome globalization by turning waste that is considered worthless into a product that has high value and usefulness. Applying environmentally friendly materials from banana trees can be an alternative in applying sustainable materials in the surrounding environment. The fronds of banana trees can be processed into banana fibers that can be made into banana fiber webbing. Banana fiber matting can be utilized by testing its tensile and hardness to determine the potential of banana fiber matting to become a new material. This research uses a qualitative research type that provides a more detailed description and understanding of the utilization process of banana fiber using a case study approach that focuses on aspects of banana fiber utilization. By using the method of tensile test and hardness test on banana fiber. The purpose of this study is to add broad insight into the exploration process and provide a strong foundation to further understand the potential of banana fronds. The expected results can determine the feasibility of banana fronds into a new environmentally friendly material as a substitute for sofa upholstery.*



***Keywords** : Banana Fiber Utilization, Sustainable Material, Banana Fiber Webbing.*