

***DESIGN OF CAR CABINET SOUND SILINER BASED ON
SUGARCANE BASS, SENGON POWDER AND EFFICIENT
NOISE ABSORPTION MEASUREMENTS***

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ABSTRACT

This study aims to determine the results of sound absorption on sound absorbers made of acoustic from bagasse and sengon powder with a mixture of glue curry glue with a composition of 2 ounces of bagasse and 1 liter of rubber sap, 2 ounces of sengon powder and 1 liter of rubber sap. The method used in this study is a method of making acoustic materials with the same variations and comparisons as well as efficient data collection on sound absorption. The value of the frequency source used in this study is 20-20,000 Hz, based on the results of this test it can be obtained the efficient value of sound absorption in sound absorbers made from bagasse and sengon powder. The highest efficiency value of sound absorption in the bagasse silencer is 230 Hz and the sengon powder silencer is 290 Hz with a sound source of 20-20,000 Hz.

Keywords: silencers, bagasse, sengon powder, latex