

**SIFAT-SIFAT THERMOPLASTIC KOMPOSIT DARIPADA
KENAF (*Hibiscus cannabinus*)**

Oleh,

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PROPERTIES OF WOOD PLASTIC COMPOSITE FROM KENAF (*Hibiscus cannabinus*)

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ABSTRACT

This study was conducted to determine the suitability of Kenaf as filler (sawdust) in the wood plastic composite using Polypropylene (PP) and Maleic Anhydride Polypropylene (MAPP). Test such as tensile, bending, impact, water absorption and thickness swelling was carried out. WPC from kenaf followed from the percentages of sawdust, five parameter was carried out from thus study there are 5%, 10%, 15%, 20%, and 25% without MAPP and also percentages of sawdust 5% and 10% with MAPP. The results shows that the filler content 5% without MAPP are more strength compare than others percentages of filler content in WPC. For percentages of filler with MAPP, 5% content of filler also give the best result than 10% of filler content. From the statistical analysis shows, that Kenaf sawdust is suitable material to be use as filler in the manufacture of WPC.