

**Analisis penambahan serat sabut kelapa (*cocofibre*) pada *rubber compuond engine mounting roda 2* (*analysis of additional cocofibre (cocofibre) on rubber compuond engine mounting wheel 2*)**

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***ABSTRACT***

*Rubber is a component that cannot be separated from human life, because the material is very easy to obtain, practical, lightweight and of course modern. Most natural fiber waste is not reused because it is considered no longer valuable. Even though coconut husk still has good economic value. Coconut coir when decomposed will produce coir fiber (*cocofibre*) and coir powder (*cococoir*). This study uses an experimental methodology of three tests, namely tensile testing, plasticity testing, and hardness testing. In the hardness test, the variation of 35 phr is 43 shoreA, 45 phr is 54.8 shoreA, 55 phr is 64 shoreA. In the tensile test the resulting variation of 35% phr is 6,01 N/mm<sup>2</sup>, 45 phr is 4,05 N/mm<sup>2</sup>, 55 phr is 1,66 N/mm<sup>2</sup>. In the plasticity test, the variation of 35 phr is 40.9%, 45 phr is 34.5%, 55 phr is 20.1% coconut fiber affects the value of tensile test, hardness test, and plasticity test.*

***Keyword : engine mounting, rubber, cocofibre***