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Manufacture of organic briquettes made from mixtures of rice husk charcoal and coconut shell charcoal

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Abstract : The calorific value of rice husk briquette was low and have not met the permitted quality standard of fuel industry. The goal aimed in this research was to increase the calorific value of rice husk briquette by making organic briquettes from mixtures of rice husk charcoal and coconut shell charcoal. Method used in making briquettes was the blending method. Results of proximate analysis showed that the moisture content of organic briquettes revolved around 1.39 – 3.89%; ash content 1.14 – 4.49%; volatile matter content 42.83 – 81.86% and the calorific value of organic briquettes were 3,673-5,876 calories/gram which met the quality standard of briquette fuel according to Indonesian National Standard (SNI).

Keywords : Briquette, rice husk, coconut shell, heat, fuel.

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