

Briquettes from Peanut Skin Waste (*Arachis hypogea* L.) Using Starfruit Leaf Adhesive

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ABSTRACT

In this study the biomass material used as a briquette is peanut shells with starfruit leaf leaves adhesive. Starfruit can replace tapioca as the main adhesive. The use of starfruit leaves utilizes the adhesive content such as tannin. The purpose of this study is to determine the characteristics of peanut shells briquettes with wuluh starfruit leaf adhesive. This study uses descriptive analysis method. Base on the results of the characteristic peanut shells briquettes, obtained the best composition KW 3 with 70% peanut shell material and 30% starfruit leaf leaf adhesive. Testing the composition of KW 3 has fulfilled SNI 01 6235 2000, some tests such as water content 3,11%, density 0,6818 g/cm³ and ash content 6,6%. The best heating value is produced at a variation of KW 2, namely 7500. This study proves that the manufacture of peanut shell briquettes with starfruit leaf adhesive can be used as a variation other than the use of tapioca flour as an adhesive.

Key words: Briquettes, Wuluh Starfruit Leaves, Peanut Skins