

Briquettes from Tobacco Rods use Wuluh Starfruit Leaf Adhesive as An Environmentally Friendly Alternative Fuel.

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ABSTRACT

Biomass raw materials that can be used one of them is the trunk of the tobacco tree using the adhesive of starfruit leaves wuluh, the availability of tobacco stems is currently quite abundant around the community and underused. The purpose of this study is to find out the best composition of briquettes from tobacco rods using the adhesive of starfruit leaves and make the best characteristics of briquettes. Briquette manufacture uses three variations, namely KKP1 90% tobacco stems: 10% leatherback leaf adhesive wuluh, KKP2 80% tobacco stems: 20% leather leaf adhesive wuluh, KKP3 70% tobacco stem: 30% leather leaf adhesive wuluh. The results of the study found that tobacco rod briquettes using the adhesive of starfruit leaves wuluh on KKP1 variations approached SNI. Where in this composition has a heat value of 5,143.86 cal / g and a water content of 4.73 %. This shows that the raw materials of the charcoald tobacco rods can be used as raw materials in the manufacture of briquettes and adhesives of belimbin leaves.

Keywords : *Briquettes, Starfruit Leaves Wuluh, Tobacco Stalks, Alternative Fuels*