

**UTILIZATION OF COFFEE LEATHER WASTE AS FUEL FOR
CHARCOAL *BRIQUETTES* WITH LEATHER ADHESIVE**

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ABSTRACT

*Processwd coffee products produce a lot amount of coffee husk (chaff) waste that is not utilized optimally. As a biomass waste, coffee husk has a high water and ash content. It takes the process of burning the husk to get the enough water and ash content needed for making briquettes. Making briquettes using the husk is more optimal if it is added with banana peels as an adhesive. The process of waste coffee-husk treatment used the roasting method. The adhesive is produced from banana peels in a blender and then mixed with water in a ratio of 1:3. The purpose of this research was to analyzed the quality and characteristics of briquettes using a mixture of coffee husk waste and as an alternative fuel for charcoal briquettes with banana peel (*Musaceae L.*) adhesive. Tests were carried out using different compositional ratios to determine the best quality of briquette composition. The best composition is found in KKKP1 with a composition of 80% coffee husk charcoal and 20% banana peel adhesive, with a calorific value of 5205.90 (cal/g), 7.462% water content, 7.072% ash content, and 1.2034 (g/g) density. cm3).*

Key words: *Briquettes, Coffee husk (chaff), Banana peel.*