

**Briket Biochar Tembakau dan Kulit Kopi dengan Perekat Pati Garut**  
(*Tobacco Biochar Briquettes and Coffee Skins with Garut Starch Adhesive*)

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**Abstract**

One of the biomass raw materials that can be used is tobacco stalks and coffee skins. The adhesive used is arrowroot starch, arrowroot starch is available around the community and underused. The purpose of this study was to determine the best biobriquette composition from tobacco stem biochar by mixing coffee skins and making the best characteristics of the biobriquette. The research method used is the experimental method and the physical characteristics of biobriquettes. The results showed that the tobacco stem and coffee skin biobriquette with arrowroot starch adhesive was close to Indonesian National Standard and did not approach the commercial quality standart and English briquette quality Standard. Where in this composition has a calorific value of 5,262 cal/g, water content of 4,91%, ash content of 9,52%, density of 1,0691 gr/cm<sup>3</sup> and compressive strength test of 1,2077 kg/cm<sup>2</sup>. This shows that the raw material of tobacco stalks and charred coffee skins can be used as raw materials in making biobriquettes and arrowroot starch adhesives can be used as adhesives with consideration of mixing adhesives or variations in adhesives use.

**Keywords** : Biobriquette, Biochar, Tobacco Stems, Coffe Skin, Garut Starch