

**Uji Performa Kompor Sederhana dengan Dua Jenis Bahan Bakar (Oli Bekas dan Minyak Jelantah)** (*Performance Test of Simple Stoves with Two Types of Fuel (Lubricant Oil and Used Cooking Oil)*)

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**ABSTRACT**

*The purpose of this study is to determine the performance of the simple stove industry tofu in the village of Tanjung Rejo using two types of fuel (Lubricant Oil and used cooking oil) with variations of faucet openings. The performance of the stove is based on the efficiency of the stove, the rate of burning and heat loss in the stove system. The stove has been tested using water boiling test (WBT) method. Based on test result of the simple stove industry tofu in the village of Tanjung Rejo, The greatest efficiency of the stove with fuel of lubricant oil faucet openings 35<sup>0</sup> amount 27,39 %, the smallest efficiency on stove with fuel of used cooking oil faucet openings 55<sup>0</sup> amount 5,16 %. While the greatest burning rate of the stove with fuel of used cooking oil faucet openings 55<sup>0</sup> amount 7,74 kg/hour and the smallest burning rate on stove with fuel of lubricant oil faucet openings 35<sup>0</sup> amount 0,5 kg/hour. The greatest heat loss of the stove with fuel of used cooking oil faucet openings 55<sup>0</sup> amount 3705,47 watt and the smallest heat loss on stove with fuel of used cooking oil faucet openings 35<sup>0</sup> amount 2818,56 watt.*

**Keywords :** *simple stove, lubricant oil, used cooking oil.*