

Pengaruh Penambahan Ampas Tahu Pada Biogas Kotoran Sapi

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ABSTRACT

Skripsi is one type of scientific work assigned to undergraduate students with purpose equivalent to develop research reports. Thesis is report researchers report generally small but implemented in depth. Who was appointed research on this that is a thesis entitled the influence of the addition of dregs know on biogas cow dung. Biogas is gas produced in anaerobic microbiology from organic waste. Biogas consisting of a mixture of ch (55-70%) CO (25-50%) H₂O (1-5 %) H₂S (0-0,5%) , N (5-0 %) and NH₃ (0-0,05%). Decomposing organic matter containing cellulose , hemi cellulose and lignin was very slow. Additional dregs knew in this study attempts to fix the values of C/N ratio where C/N ratio good in making biogas is as much as 30. This study attempts to prove a mix of cow dung and dregs know with the values of C/N ratio most nearly 30 will create gas most within the same time. C/N ratio near 30 be on a mixture of 60% cow dung and 40% dregs tofu. Composition between cow dung and dregs know used in research is 60% : 40%. Produce gas as many as 6049 ml, 70% : 30% produce gas as many as 5747 ml, 80% : 20% produce gas amounting to 5615 ml and 100% : 0% produce gas amounting to 5622 ml . Data from can be concluded that a mixture of raw materials making biogas with the values of C/N ratio near 30 will create gas more compared with a mixture of material with a value of C/N ratio other.

Keywords : *Biogas cow dung and dregs tofu*