



ABSTRACT

Name of Institution: De La Salle University - Dasmariñas

Address: Dasmariñas, Cavite

Title: The Use of Sawdust to Produce Ethanol

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Objective of the Study

A. General:

The overall objective of this research work is to determine if wood waste can produce ethanol and can be converted into productive use.

B. Specific:

To find out the process how to convert sawdust into ethanol.

To determine the advantages of sawdust as a source of ethanol.

Scope and Coverage

The main scope of this study is focused on the potential of wood waste as a source of ethanol and the process how to produce ethanol from wood waste.



Sawdust was chosen as the feedstock because of the large amount generated annually. Other issues/concerns directly on indirectly related to the topic are not part of the scope of this study.

Methodology

The study used the descriptive method of research. The researchers conducted about 20-30 minutes of interviews, exploring the net and other references that can help to the study. Through the help of Mr. Emilio C. Mañas, the owner of E.C. Mañas Trading, He provide necessary on the source, price and uses of sawdust, where in these data can help us to prove that there are many sources of sawdust.

This is done to attain various information that will serve as basis for processing, analyzing and interpreting the data.

Major Findings:

The researchers found out that sawdust is a cheap source and can be transformed into ethanol.

Conclusion:

Based on the study, the proponents concluded that sawdust could be used to produce ethanol. Various old sawmill sites, discovered that there is millions of tons



of old wood waste (sawdust) where abandoned. Using sawdust to produce ethanol can help in the disposal of waste materials.

Recommendation:

In the view of this study, the researchers recommend that there should be source of sawdust needed in producing ethanol.

There should be a further researched on the agricultural wastes utilized as producing ethanol like corn and wheat, potato waste, cheese whey, corn, fiber, newspaper etc. in order to help the disposal of waste materials.

