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TREE (PSEUDOSTEM) STALK / CASSAVA FLOUR / PARRAFIN

CHALEEPORN SIRILERK : THE APPROPRIATENESS OF MAKING DRIED
FOOD CONTAINERS FROM THE SOFT HERBACIOUS STALK OF THE BANANA TREE.
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The purpose of this research is to study the appropriate proportion between the soft herbacious stalk of a banana tree and cassava flour in the production of a dried-food package. The effects of glazing the final product using cassava flour versus paraffin will also be studied using the experimental plan of Completely Randomized Design (CRD) Forty consumers were used to study the safety and agreement of consumers by testing sense-organs and evaluating the quality by Hedonic Rating Scale. The differences of structure quality, the safety of the containers to keep food for consuming and the preference of consumers to the cassava flour glazed-package and the paraffin glazed-package were analyzed by t-test. The differences in capital investment of production were analyzed in the laboratory.

After studying the resistance to pulling force, thickness, dampness, and the absorption of water, the results found that in the production of this dried food package the appropriate proportion is : soft herbacious stalk 60% : cassava flour 40%.

The dried food packages produced at this correct proportion were then glazed with either cassava flour or paraffin. The results of the tests of structure quality of the two glazing methods were undifferentiated at the confident level 95% ($P > 0.05$)

The results of the analysis of safety for consumers the reported that there was no metallic mass in either package and the amount of germs was less than the standard average of the Scientific and Medicine Department. It is appropriate to use these two kinds of packages to contain dried-food. From studying the agreement of consumers, the result of analysis the difference of the two packages was that consumers preferred the cassava flour glazed-package more than the paraffin glazed-package at a confident level ($P < 0.01$)

In conclusion, due to worthiness, value and appropriateness of making use of natural resource this product can reduce the amount of waste garbage in the future.