

FACULTY OF SCIENCE AND EDUCATION

NAGONGERA CAMPUS

CONSTRUCTION OF A POWER SAVING COOKING BAG

BY

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DECLARATION

I Nakuya Sandra declare that the work presented in this project report is my own and has never been submitted by any other person in any institution for the fulfillment of the undergraduate program.

SIGN.....

DATE.....

APPROVAL

This is to certify that the project report titled “Construction of a power saving cooking bag” was carried out by Nakuya Sandra in partial fulfillment of the requirements for award of degree of Bachelor of Science Education of Busitema university.

Supervisor. Dr. Richard Cliffe Ssenyunzi.

Sign.....

Date.....

DEDICATION

I dedicate this work to the almighty God who has blessed me with knowledge and wisdom, and protected me throughout the course of my studies.

I would like to dedicate this work to my beloved Mother Achom Freda for her parental love, support and prayers that have helped me register success in life.

Furthermore, I dedicate this work to my guardians' PR Dr.Mwanje Gerald and Flavia, Mr. Ddungu Pascal and Scovia for all the support given to me during my studies.

I finally dedicate my work to my beloved relatives and friends for enabling me achieve this level of education especially my beloved Uncle Aisu Kenneth and my beloved Aunt Aguti Winnie Elizabeth

ACKNOWLEDGMENT

Construction of a power saving cooking bag project is a golden opportunity for learning and self-development.

I am very grateful for having very wonderful people who have helped me till the completion of my project.

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Finally, I thank everyone who shared with me valuable information that helped me to successfully complete this project. May God bless you all.

ABSTRACT

The research is concerned with the construction of a power saving cooking bag from saw dust, getting temperatures and time taken for different food items to get ready like sweet potatoes, matooke, pasted ground nuts, rice, meat, beans.

Matooke was found to take 1 hour and 10 minutes to become ready, sweet potatoes took 2 hours to become ready, pasted ground nuts took 50 minutes to become ready, meat took 2 hours to become ready, rice took 1 hour to become ready and beans took 4 hours and 30 minutes to become ready.

Matooke was found to taste better when cooked using a power saving cooking bag.

Sweet potatoes were found half ready when cooked using a power saving cooking bag.

This research also involves the nature of the graphs of temperature and time of the food cooked using a power saving cooking bag.

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CHAPTER ONE

1.0 INTRODUCTION

1.1 Background of the project.

Every day the population depends only on firewood and charcoal as energy sources for cooking. Wood is therefore considered to be a primary source of energy in rural areas for cooking followed by paraffin which is used for lighting. Above all less than 0.1% of rural population in Uganda is connected with electricity grid, although the use of solar panels is becoming increasingly common.

In Uganda there is increased deforestation due to need for settlement land, agriculture land, construction, brick laying and charcoal burning yet trees are not planted after cutting. This has led to climate changes and shortage of firewood throughout the district, which has made the cost of cooking very expensive in that some people have resorted to using maize/ sorghum stems, dry grass for cooking within rural areas. However, the charcoal sellers, sale very expensively to the community thus reducing the level of saving hence under development.

Most people in Uganda waste a lot of time in cooking while some have busy schedules leading to no time for cooking yet this time wasted in cooking lead to under development of both individual and the country.

Women of Uganda at large waste a lot of time in gathering firewood and move long distances and too much time is wasted in cooking with insufficient amount of firewood. Women suffer a lot especially rainy seasons in that they even feel like not to cook yet they need to eat since they do not have enough firewood to be kept waiting rainy season.

Many working class women in Uganda are losing their marriages due to the busy schedules; therefore fail to balance house work and office work claiming the maids are doing everything. Most men have used this chance to take the maids and chasing away their wives who claim that they are busy.

Basing on all those factors and challenges I have got the ground for constructing a power saving cooking bag to solve all those problems in the community.

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