PHYSIO-CHEMICAL AND BIO-FUNCTIONAL PROPERTIES OF READY-TO-SERVE (RTS) HERBAL ALOE VERA DRINK

A thesis submitted to the Department of Food Engineering and Technology, Tezpur University in partial fulfillment of the requirements for the award of the degree of

MASTER OF TECHNOLOGY IN FOOD ENGINEERING AND TECHNOLOGY

BY PRERANA BORA (FPL12016)

Approved by

(Raj Kumar Duary)

SUPERVISOR

EXTERNAL EXAMINER

(M.K Hazarika) HEAD

Napaam

Pezpur Univer

Tezpur University Napaam, Tezpur – 784 028 Assam, India



Dr. M. K. Hazarika Head Email: mkhazarika@tezu.ernet.in

Cell: 9+919435700993

Tel: +91-3712-275706 Extn: 5703(O), 6703(R)

Fax: +91-3712- 267005, 267006

Certificate of the Head of the Department

This is to certify that Miss. Prerana Bora, a student of the Department of Food Engineering and Technology, Tezpur University, Assam has successfully completed the M. Tech. project work entitled "Physio-chemical and bio-functional properties of ready-to-serve (RTS) herbal aloe vera drink" as a partial fulfilment for the award of Master of Technology degree in Food Engineering and Technology under the supervision of Dr. Raj Kumar Duary, Assistant Professor, Department of Food Engineering and Technology, Tezpur University, Tezpur.

Place: Tezpur University

Date: 23.5.14

(M.K. Hazarika) Head

Mattale

Tezpur University Napaam, Tezpur - 784 028 Assam, India



Dr. Raj Kumar Duary **Assistant Professor**

Department of FET,

Phone: +91- 3712-275709

(O) FAX: +91-03712-267005,

Email: rkduary@gmail.com

Certificate

This is to certify that the thesis entitled "Physio-chemical and bio-functional properties of ready-to-serve (RTS) herbal aloe vera drink"submitted by Miss. Prerana Bora to the Department of Food Engineering and Technology, Tezpur University in partial fulfilment of M. Tech. degree is a bona-fide record of the investigation carried out by her under my supervision. To the best of my knowledge the report embodies an account for her findings and is valid for the purpose for which it is submitted.

Supervisor

Place: Tezpur University
Date: 23/5/2019,

DECLARATION

I hereby declare that the thesis entitled "Physio-chemical and bio-functional properties of

ready-to-serve (RTS) herbal aloe vera drink" was carried out by me at the Department of

Food Engineering and Technology, Tezpur University, Tezpur under the guidance of Dr. Raj

Kumar Duary, Assistant Professor, Department of Food Engineering and Technology,

Tezpur University, Tezpur.

This Report is being submitted as a M. Tech. project thesis for the partial fulfillment

of M. Tech. degree in Food Engineering and Technology by Tezpur University, Tezpur.

I further declare that this Project or any part of it has not been submitted elsewhere for

any other degree or diploma to any other University/Institute.

Place: Te2 fort Date 23.05-2014

Prerana Bora

Roll No-FPL12016

AKNOWLEDGEMENT

I am overwhelmed to avail this rare opportunity to evince my profound sense of

gratitude and regard to my advisor Dr. Raj Kumar Duary, Assistant Professor, Dept. of Food

Engineering and Technology, Tezpur University, Tezpur for his disciplined attitude, inspiring

and valuable guidance, authentic suggestions with constructive criticism and soothing

affection time throughout the course of investigation and preparation of this manuscript.

With great sincerity, I extend my gratitude and thanks to Dr M. K. Hazarika, Head of

the Department of Food Engineering and Technology, Tezpur University, who helped me

with every support throughout the study whenever I sought for.

I would like to thank all the faculty members, Department of Food Engineering and

Technology, Tezpur University, who directly or indirectly helped me for successful

completion of my project work.

I further express my sincere thanks to the Laboratory Assisstant, Laboratory

Technician and stuff members of this department for their help throughout the entire project

work.

Lastly I would like to thank my Parents along my family members and all my

classmates for their constant support for my success.

Place: Tezfur

Prerana Bora