INDIGENOUS MICROORGANISMS – EXTENDED SOLUTION (IMO-ES) APPLIED AT DIFFERENT FREQUENCY ON CL-1 DURING WET SEASON

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ACCEPTANCE SHEET

This undergraduate thesis entitled "**INDIGENOUS MICROORGANISMS – EXTENDED SOLUTION APPLIED AT DIFFERENT FREQUENCY ON CL-1 DURING WET SEASON**", prepared and submitted by **JOHN PAUL MONTERO NAVARRETE**, in a partial fulfilment of the requirements for the degree of **BACHELOR OF SCIENCE IN AGRICULTURE (CROP SCIENCE-AGRONOMY)**, is hereby accepted:

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BIOGRAPHICAL SKETCH

The author John Paul Montero Navarrete lives at Villa Medina, Bantug, Science City of Muñoz, Nueva Ecija. He was born on the 28th day of February 1999. He is the youngest among two children of Mr. Edmund A. Navarrete and Mrs. Edralin M. Navarrete.

He finished his elementary education at Muñoz Central School and completed his secondary education at Muñoz National High School – Main as a visual artist at Special Program in the Arts special section.

He took up Bachelor of Science in Agriculture major in Crop Science with specialization in Agronomy at Central Luzon State University located at Science City of Muñoz, Nueva Ecija.

He is an arnis varsity during his second year and fourth year college. He also competes at State Universities and Colleges Athletic Association or SCUAA to represent his beloved university. He experienced many struggles and challenges during his college days but he choose to fight and survive.

He is the breadwinner in his family and he's about to lift up their everyday living, he only wants the best for his family. He also value many friends of him and he is ready to help them as much as he can. He always fight alongside with our Almighty God because he can do anything through God who always give him strength. All glory to Him.

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDIX TABLES

LIST OF APPENDIX FIGURES

ABSTRACT[1]

NAVARRETE, JOHN PAUL M., Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija, Philippines, **AUGUST 2018, INDIGENOUS MICROORGANISMS – EXTENDED SOLUTION (IMO-ES) APPLIED AT DIFFERENT FREQUENCY ON CL-1 DURING WET SEASON**

Adviser: Mr. DIONIE S. BARRIENTOS

Previous study showed the effectiveness of IMO-ES in increasing the grain yield of aromatic rice during dry season under organic cultivation. This study aimed to test if IMO-ES application will also increase the grain yield of aromatic rice during wet season. It was conducted at Ramon Magsaysay Center for Agricultural Resources and Environment Studies (RM-CARES), Central Luzon State University, Science City of Muñoz, Nueva Ecija from August to November 2018. The study was carried out in a Randomized Complete Block Design (RCBD) with following treatments. Control, IMO-ES applied every week (AEW), IMO-ES applied every two weeks (AETW) and IMO-ES applied every four weeks (AEFW) with three replications.

The findings showed that the different frequency of application of IMO-ES didn't affect growth and yield of aromatic rice, except grain length. Therefore application of IMO-ES during wet season is not advisable because the result on growth and yield is comparable to control.

Keywords: Indigenous microorganisms; Aromatic rice; Organic cultivation

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