



**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**

**HERBTIPS:  
HERBAL EDUCATIONAL MOBILE APP**

A Thesis  
Presented to the Faculty of the  
College of Communication and Information Technology  
President Ramon Magsaysay State University  
Iba, Zambales

In Partial Fulfillment of the Requirement for the Degree  
Bachelor of Science in Information Technology

By:

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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This thesis entitled "**HERBTIPS: HERBAL EDUCATIONAL MOBILE APP**", prepared and submitted by **Decebell Buscado, Jether A. Romero, Lorelie M. Calimlim** in partial fulfillment of the requirements for the degree **Bachelor of Science in Information Technology**, has been examined and recommended for Oral Examination.

  
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Approved by the PANEL OF EXAMINERS on Oral Examination on April  
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### ABSTRACT

This research aimed to develop and design “Herbtips” an Herbal Educational Mobile App as an effective way to educate and disseminate information about medicinal plants in the Philippines.

Specifically, it sought to know the barangay health workers and locales evaluation of the software quality using the ISO/IEC20510:2011 metrics: Functional Suitability; Performance Efficiency; Compatibility; Usability; Reliability; Security; Maintainability; and Portability. It is aimed to determine the assessment of the barangay health workers and locales on the level of acceptability in terms of: Functionality and Performance. Also it aimed to determine significant difference between Barangay Health Workers and Locales software quality evaluation and level of acceptability assessment.

Research design used in the study was descriptive method. Quota sampling technique was employed by the researchers in the research undertaking.

Based on the significant findings, the respondents evaluation on the software quality of Herbtips: Herbal Educational Mobile App in terms of Functional Suitability as Excellent, Performance Efficiency as Excellent, Barangay Health Workers evaluated the compatibility as Excellent while the Locales evaluated as Very Good, Usability as Excellent, Reliability as Excellent, furthermore Barangay Health Workers evaluated the Security as Very Good while the Locales evaluated as Excellent, Maintainability as Excellent and Portability as Excellent.



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Assessment of the respondents on the Level of Acceptability of the Herbtips: Herbal Educational Mobile App in Terms of Functionality as Highly Acceptable and Performance as Highly Acceptable.

There was no significant difference on the software quality evaluation of the Barangay Health Workers and Locales on the Herbtips: Herbal Educational Mobile App in terms of functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability wherein the significant value is less than the t- Critical value. There was no significant difference on the level of acceptability assessment of the barangay health workers and locales of the Herbtips: Herbal Educational Mobile App in terms of functionality and performance wherein the significant value is less than the t- Critical Value. Thus, the null hypothesis is accepted.

### CHAPTER 1 THE PROBLEM AND ITS BACKGROUND

Introduction

Background of the study

Theoretical Framework

Conceptual Framework of the study

Statement of the Problem

Null hypothesis

Scope and Limitations

Significance of the study

Definition of terms

### CHAPTER 2 REVIEW OF RELATED LITERATURES AND STUDIES

Foreign Literature