

WEST VISAYAS STATE UNIVERSITY  
COLLEGE OF EDUCATION  
**GRADUATE SCHOOL**  
Iloilo City

CHALLENGES AND ACCOMPLISHMENTS OF GRADE 12 STEM LEARNERS IN LEARNING  
PHYSICS IN TIMES OF COVID – 19

A Thesis Presented to the  
Faculty of the Graduate School  
College of Education  
West Visayas State University  
La Paz, Iloilo City

In Partial Fulfilment  
of the Requirements for the Degree  
Master of Arts in Education  
(Physics)

by

Patricia Luz G. Salvador

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APPROVAL SHEET

A Thesis for the Degree  
Master of Arts in Education  
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Patricia Luz G. Salvador

Approved by the Research Committee:

\_\_\_\_\_  
CHIVE G. GABASA, Ph. D., Chairperson

\_\_\_\_\_  
ROBERTO G. SAGGE JR., Ph. D., Member

\_\_\_\_\_  
VILMA F. TEMPLORA, Ph.D., Outside Expert

\_\_\_\_\_  
SHIRLEY R. JUSAYAN, Ed.D., Adviser

\_\_\_\_\_  
RICKY M. MAGNO, Ph. D.  
Dean

July 2022

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Abstract

This study aimed to determine students' challenges and their accomplishments in learning physics during time of COVID-19. The research methodology used a descriptive – quantitative using survey method. The research subjects were Grade 12 STEM learners who are enrolled at one of the University of Bacolod City, Negros Occidental for School Year 2021 - 2022. The Challenges in Learning Physics (CLP) and Accomplishments in Learning Physics (ALP) online survey questionnaire was the instrument used. It was validated and filled out by learners through Google Forms. Based on the results of the study regardless of the gender and their learning location, they encountered different challenges in learning Physics 1 during this time of pandemic. The study used t-test and analysis of variance (ANOVA) to determine the challenges and the significance of the accomplishments that the learners experienced as indication of their coping up. As a result, challenges were identified according to sex and learning location. The result shows that female learners are more challenged than male learners as it was shown that female learners are more specific with their academic performance and more academically engaged than males. As for their learning location, wherever is the location of the learner, they still have challenges and were able to experience accomplishments to aid their challenges for both female and male learners.

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The researcher recommends teachers who are handling Physics 1 may adapt new teaching strategies and provide learners an easy access resources that is available in most of the areas especially in rural places to help enhance the learners' understanding especially in the aspect of learning online.

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