



OCCIDENTAL MINDORO NATIONAL HIGH SCHOOL

National Road, Payompon Occidental Mindoro

CHAPTER III

METHODOLOGY

Introduction

This chapter presents the discussion on the research methodology of the study, the subject, sampling technique, research instrument, and procedure of data gathering and statistical treatment that will be uses for accurate data and analysis and interpretation. Also, this chapter gives an outline of research methods that were followed in the study. It provides information on the participants, that is, the criteria for inclusion in the study, who the participants are and how they will be sampled. The researcher describes the research design that was chosen for the purpose of this study and the reasons for this choice. The instrument that will be used for data collection is also described and the procedures that will be followed in carrying out this study are included. The researcher also discusses the methods that will be used to analyze the data that will be gathered.

This study will determine on how classroom shortages affects student's lifestyle and overall academic performance



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RESEARCH DESIGN

The researchers will use the qualitative interview methodology as the study is attempting to know on how classroom shortages affect their study. Specifically, a semi-structured interview will be conducted so that the researchers can ask additional questions during the interviews if clarifications and further explanations will be needed. The respondents' subjective and objective perceptions are expected to form the core data of the study, hence it needed the method that would deal with the topic in a narrative and descriptive nature.

According to Oakley, qualitative interview is a type of framework in which the practices and standards be not only recorded, but also achieved, challenged and as well as reinforced. Interviews are particularly useful for getting the story behind a participant's experiences. The interviewer can pursue in-depth information around the topic. An interview guide will be administered to the respondents prior to the interview proper which will include the questions that they will be asked during the interview. Leedy (1993) explains that qualitative research is based on the belief that first hand experience provides the most



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meaningful data. It is also believed that qualitative data gives large volumes of quality data from a limited number of people. It is aimed at understanding the world of participants from their frame of reference (Walker, 1985).

RESEARCH QUESTIONS

This group presents research questions exploring how classroom shortages affect the student learning and teacher effectiveness at Occidental Mindoro National High School HUMSS strand among grade 12 students. The questions aim to assess the affect of classroom shortages and overall academic success. The questions will be presented through Likert's scale with classification of:

SA-Strongly Agree

D-Disagree

N-Neutral

A- Agree

SD-Strongly Disagree



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QUESTION	SA	A	N	D	SD
1. Do students in classrooms with more teacher absences have lower test scores?					
2. Do teachers in classrooms with more absences report higher levels of stress?					
3. Do students feel less engaged in classrooms with frequent substitute teachers?					



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4. Do schools with higher rates of teacher shortages have lower graduation rates?					
5. Do teachers in classrooms with shortages feel less prepared to teach effectively?					



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HYPOTHESIS

Hypothesis 1: Academic Performance

- Null Hypothesis (H_0): There is no significant relationship between classroom shortages and academic performance among HUMSS strand grade 12 students at senior high school in Occidental Mindoro National High School.

Alternative Hypothesis (H_a): There is a significant relationship between classroom and academic performance among HUMSS strand grade 12 students at senior high school in Occidental Mindoro National High School.

Hypothesis 2: Overall Academic Success

- Null Hypothesis (H_0): Classroom shortages does not significantly affect the overall academic success of senior high school students among HUMSS strand grade 12 students in Occidental Mindoro National High School.



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Alternative Hypothesis (H₁): Classroom Shortages significantly affects the overall academic success of senior high school students among HUMSS strand grade 12 students in Occidental Mindoro National High School.

POPULATION AND SAMPLE

This study focuses among HUMSS Strand grade12 student at Senior High School Students at Occidental Mindoro National High School. The population consists of all enrolled students in the senior high school division. A random sampling method, complemented by stratified sampling, will be used to ensure representation across grade levels. Slovin's formula will determine the sample size, ensuring statistical reliability for analyzing the impact of cellphone usage on academic performance and behavior.



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RESEARCH INSTRUMENT

This study titled "Impact of Classroom Shortages on Student Learning Outcomes and Teacher Effectiveness" will use survey questionnaire as research instrument. The survey questionnaire will be distributed online through google form that consists of five questions related to the topic. The researchers will use Likert's Scale with the specific classifications; Strongly Agree (SA), Agree (A), Neutral (N), Disagree (D) and Strongly Disagree (DA). Through these instruments the researches could be successful to find out on how classroom shortages has an impact on senior high school among grade12 HUMSS students on their overall academic performance.



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DATA COLLECTION

To assess the impact of classroom shortages on their all academic performance and among senior high school grade12 HUMSS students, a structured quantitative research design will be employed. The researchers used questionnaire as the instrument for gathering data from the respondents. The researchers determined that questionnaire provides adequate information that supports the study. The questionnaire is relatively cheap, quick, and efficient way of obtaining large. amounts of information from the large amount of people (McLeod, S., 2018).



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DATA ANALYSIS

After the data gathering process, every data was employed in this study through a descriptive method (mean, median, and mode).Correlation analysis (e.g., Pearson's r) will be used to examine the relationship between classroom shortages and overall academic performance, while multiple regression analysis will assess the impact of classroom shortage on academic performance, controlling for confounding variables such as age, gender, and socioeconomic status.

Every data gathered from the selected respondents were treated with utmost confidentiality so as to contribute greatly and effectively in the study being conducted. Furthermore, the researchers eliminated biases to the condition in order to avoid conflicts with the respondent. This methodology will allow for a comprehensive examination of how classroom shortages affect both the academic performance of senior high among HUMSS grade12 students.



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CONCLUSION

This study will use quantitative correlational approach as a research design that will be needing data interpretation and statistics on how other factors that are interrelated to the classroom shortages affects the overall academic performance of senior high school among grade12 HUMSS students on Occidental Mindoro National High School. It will determine if there is a correlational between the classroom shortages and overall academic performance or there is no relation at all.

This study will use Likert's Scale as a survey questionnaire that consists of five question that will be answer through strongly agree, agree, neutral, disagree or strongly disagree. The questions are about how classroom shortages affect the overall academic performance of senior high school students among grade12 HUMSS students.



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The researchers made 4 hypothesis in this study divided by null and alternative hypothesis that assumes that there is a relationship between the variables or none.

Those respondents will be chosen randomly to avoid bias and to strengthen the study's truthfulness. The randomly picked participants will receive a link of the google form survey questionnaire that contains questions about the study. The researchers found out that out off 877 students of Occidental Mindoro National High School there would be 274 respondents. The data collection would be easier as the link was made by the researchers.

