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**RESEARCH READINESS WORKSHEET: LEARNER'S GUIDE TO WRITING RESEARCH FOR  
GRADE 7 LEARNERS OF BIÑAN INTEGRATED NATIONAL HIGH SCHOOL**



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**ABSTRACT**

One of the most important qualities of learners is the ability to conduct research. Students who grasp this subject acquire critical thinking abilities, which will eventually help them to function a valuable human being in the future. Proficiency in doing research is a prerequisite for academic achievement. The purpose of this study is to assess grade 7 students' preparedness or level of readiness in conducting school-based research which is essential due to the demands for higher grade level. This study utilizes qualitative methodologies, including survey questionnaires to assess students in writing research and the challenges they encounter.

**Keywords:** *Research, Qualitative, Worksheet, Investigatory, Science-based research*

**INTRODUCTION**

In the Philippine educational setting where students were expected to develop higher order thinking skills and solve problems cognitively, the curriculum includes subjects that believed to help enhance students'

abilities. In case of some private and public institutions, learners took research subjects and write research papers. The research papers were then selected thoroughly and would be selected and enhanced. The learners were also encouraged to join Science Investigative Projects. In some studies, shows that the greatest impact teachers see today's

digital environment having on student research habits is the degree to which it has changed the very nature of “research” and what it means to “do research.” Teachers and students alike report that for today’s students, “research” means “Googling.” As a result, some teachers report that for their students “doing research” has shifted from a relatively slow process of intellectual curiosity and discovery to a fast-paced, short-term exercise aimed at locating just enough information to complete an assignment.

Due to these instances, the learners should be taught to write research papers step by step and guided by their teachers. With a guided worksheet, learners would be able to learn the different chapters of a simple research paper. Its aim is to provide learners and teachers a guide to create a simple research paper created by students and would only be assisted by their teachers.

The researcher is also a research subject teacher at Binan Integrated National High School who also trains learners to write their own research paper and encouraged them to join Science Investigative Project Contest in the Division of Binan. At Grade 7 the students enrolled under a special science class in BINHS the students’ focus is to create a good research paper. The researcher was inspired to create a worksheet for grade 7 to guide the learners during their early year in Junior High School, so by the time they reached Grade 9 to 10 they were prepared and ready to create a good research paper.

The academic performance of the students before and after the use of the worksheet would be analyzed, and the result of the action research would then be used as basis for other programs which tends to enhance the capabilities of the learners to write a research paper. The success of the action research would lead to the development of a written worksheet for other grade levels who were enrolled under a special science section.

## METHODOLOGY

The highlight of the action research proposal was to create a research worksheet for grade 7 learners of Binan Integrated National High School. The worksheet was written as a learner’s guide for students to create a good research paper in the latter period. The teacher-made worksheet that was lent to the learners and the research subject teacher aimed to prepare the learners to write their own research paper when they reached grade 9 and grade 10.

- *procedure/system*

The researcher sought the help of the grade 7 research teacher together with the learners’ parents to ask their permission to use the Grade 7 learners as the respondents of the study. The different tools such as the pre-test and post-test would be used to determine the level of knowledge of the students and the survey questionnaire would then be used to measure their level of preparedness in writing a research project. The result would lead to the development of programs in the future which tends to enhance the learners’ capabilities in writing research.

- *Solution*

The development of a research worksheet for the grade 7 students would be a convenience for them to enhance their interest and skill in writing a good research project. Also, the research would become a basis for further projects or programs that would enhance the Science class’s research subject.

- *phenomenon*

A science investigatory project (SIP) refers to a science-based research project or study that

is performed by school children. An SIP is usually a science experiment performed in a classroom setting with the class separated into small groups but can also form part of a scientific exhibition or fair project.

The main aim of a science investigatory project is for it to provide school aged children with an engaging way to learn more about science and the concept of performing scientific research. The approaches used are often broadly aligned with those used by PhD students carrying out a research project. The hope here is that it sparks an interest in the children about scientific concepts or STEM subjects in general and that this interest is carried forward to the university level.

Research is how the academic community communicates with the world. Taking multiple forms, research includes scholarly and creative activities that can lead to new knowledge, improve our ability to solve problems, result in new theory, and/ or in the creation of new art or an artistic performance. Research is a process of careful inquiry leading to the discovery of new information. The literature demonstrates that students who participate in undergraduate research benefit in the following ways: greater problem-solving skills, better understanding of research methods, deeper understanding of the discipline, greater confidence and independence, better understanding of career and education path. In addition, the literature also indicates that student who participate in research and scholarship: are more satisfied with their college experience, are retained and persist at a higher rate, both at university and within their major, are more likely to be accepted to graduate and professional school and graduate, are more competitive when searching for jobs.

- *combination of any of these that were used to solve the research problem.*

The action research proposal is quantitative research where the respondents' level of preparedness in doing research and their

knowledge before and after the introduction of the worksheet would be gathered, analyzed, and interpreted by the researcher.

*Who will participate in the research?*

The participants in the research are the Grade 7 learners of Binan Integrated National High School who were enrolled in the special Science Section in the school year 2022-2023.

*Number of people*

The 30 students enrolled under Grade 7 section Copernicus this school year 2022-2023 would be the participants of the research.

*Characteristics of the participants/sample*

The participants are all grade 7 learners enrolled under the science section of Binan Integrated National High School.

*Sampling procedure*

A purposive sampling procedure would be used in the research, the whole population of the respondents who belonged to the same science section were chosen to be the participants who would use the worksheet and be evaluated through their academic performance, pre and post-test, and a survey questionnaire.

## **DISCUSSION**

The results show that in the thorough exam, students manifest no idea in crafting research study. Furthermore, after the research readiness worksheets was introduced to a selected group of students, they were able to improve their knowledge on research.

- In the study the researcher offered several suggestions for readiness of

conducting research writing. The major points to remember including the following;

- Conducting research writing is challenging because the researcher not only conducts research but simultaneously enacts change in implementing an intervention.
- Initially, a modest research study is preferable to a more ambitious undertaking.
- It is important to identify and engage classmates and schools where work with you throughout the action research process.

Based on the study's results and findings, the following conclusion were drawn. The student/respondents perceived on the pre-test, pos- test and survey conducted by the researcher. Students are ready to undertake a research writing and project. Teachers are also ready to integrate the research writing to the curriculum. However, students research readiness positively correlated with the issues they faced in undertaking in research writing and projects.

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