



Bauan Technical Integrated High School Senior High School

RESEARCH TITLE

(12 to 15 word limit, no line spacing, inverted triangle, uppercase)

A Capstone / Research
Presented to the
Faculty of Senior High School
BAUAN TECHNICAL INTEGRATED HIGH SCHOOL
Senior High School

In Partial Fulfillment
of the Requirements of the
K to 12 Basic Education Program
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS
Specialization if TVL

MEMBERS

March 2025





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I. INTRODUCTION

Background of the Study

Include in this part the background of the study (theoretical, historical and social background information).

Another paragraph for the problem scenario, identifying the specific issue or research gap that you intend to address.

Add paragraphs presenting the literatures and studies that are related to your study. Highlight the problems, approaches in dealing with the problem, solutions and their recommendations.

State the goals and purpose of the research. Explain also the boundaries, scope and limitations of the research.

Present the significance of the study or its implications.

On the last part, rationale. Indicate the reasons that prompted you to conduct the study.

Research Objectives

State the general objectives in this part followed by the specific research questions.

1. [text] [text] [text] [text] [text] [text] [text] [text]
 - 1.1. [text] [text]
 - 1.2. [text] [text]
 - 1.3. [text] [text]
 - 1.4. [text] [text]





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2. [text] [text] [text] [text] [text] [text] [text] [text] [text]
 - 2.1. [text] [text]
 - 2.2. [text] [text]
 - 2.3. [text] [text]
 - 2.4. [text] [text]
3. [text] [text] [text] [text] [text] [text] [text] [text]
4. [text] [text] [text] [text] [text] [text] [text] [text]
 - 4.1. [text] [text]
 - 4.2. [text] [text]

Hypothesis

If applicable, state the null hypothesis

Example:

Ho: There is no difference between the assessment of male and female
on the _____.

Scope and Delimitations

[text] [text] [text] [text] [text] [text] [text]

Brief Review of Literatures

Organization of the literatures is TOPICAL (consider the research objectives.

Research Questions	Chapter II Topics
Describe the physico-chemical properties of oregano	Physical and Chemical Properties of Oregano
Identify the home-based cough and colds interventions of families in Brgy. Manghinao, Bauan.	Home-based Cough and Colds Interventions





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Formulate a herbal cough medicine from oregano extract.	Development of Herbal Cough Medicines
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- Synthesize literature contents, include only the SALIENT findings of the authors and SIGNIFICANT statements /content from the documents referred.
- Follow proper APA narrative and parenthetical in-text citations (7th edition)

Physical and Chemical Properties of Oregano. On the first part of this section, include all related concepts (from books, magazines, newspapers, periodicals, etc.). Include a minimum of three authors.

This will be followed by the presentation of related studies done by other scholars who conducted a study related to the topic (thesis, master's thesis, dissertation, online research journals [printed or digital])

Last part should be the synthesis of the RELATED STUDIES (not including the related concepts) showing the similarities and dissimilarities of the findings, highlight the research gaps, and the uniqueness of the present study.

Home-based Cough and Colds Interventions. On the first part of this section, include all related concepts (from books, magazines, newspapers, periodicals, etc.). Include a minimum of three authors.





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This will be followed by the presentation of related studies done by other scholars who conducted a study related to the topic (thesis, master's thesis, dissertation, online research journals [printed or digital])

Last part should be the synthesis of the RELATED STUDIES (not including the related concepts) showing the similarities and dissimilarities of the findings, highlight the research gaps, and the uniqueness of the present study.

Development of Herbal Cough Medicines. On the first part of this section, include all related concepts (from books, magazines, newspapers, periodicals, etc.). Include a minimum of three authors.

This will be followed by the presentation of related studies done by other scholars who conducted a study related to the topic (thesis, master's thesis, dissertation, online research journals [printed or digital])

Last part should be the synthesis of the RELATED STUDIES (not including the related concepts) showing the similarities and dissimilarities of the findings, highlight the research gaps, and the uniqueness of the present study.

II. METHODOLOGY

Research Design

Include a 1 to 2 paragraph presentation of the research design including these elements (research aim, design chosen, explanation of the





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appropriateness of the research design, supporting literatures defining or supporting the suitability of the chosen design to the research topic)

Locale / Research Site (optional but required for studies using Observation)

Subjects of the Study

Include the tabular presentation of the profile of the participants included in the study (use the term “participants” for qualitative research, “respondents” is used for quantitative research.

Example:

Profile of the Interview Participants

Pseud/ Alias	Gender	Age	Year Level	Course	Type of Student	Nature of Part time Job	GWA
Liyan	Male	20	Second	BTVTED – Electrical	Regular	Service Crew	2.00
Michael	Male	24	Second	BTVTED – Automotive	Irregular	Mechanic	2.25
Chriza	Female	20	Second	BTVTED – Electronics	Regular	Online Seller	2.17
Oliver	Male	20	Third	BTVTED – Automotive	Regular	Helper	2.00
Harold	Male	21	Third	BTVTED – Automotive	Regular	Service Crew	2.00
Eden	Female	23	Third	BTVTED – FSM	Regular	Encoder	2.00
Marlou	Male	22	Third	BTVTED – Electrical	Regular	Technician	1.57
Sarah	Female	20	Second	BTVTED – FSM	Regular	Service Crew	2.05
Melgie	Female	21	Third	AB English	Irregular	Call Center Agent	2.05
Elaine	Female	22	Third	BS Tourism Management	Irregular	Call Center Agent	2.50

Present the sampling technique used (purposive, convenience, chain/snowball sampling) and an explanation why it is appropriate for the study. Include literatures supporting its suitability for the sampling technique employed.

Data Gathering Instruments





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Include a sentence introducing the instruments to be used in the study. (*Example: To achieve the desired objectives of the study, structured interview, naturalistic observation, and document analysis will be utilized*)

Structured Interview. Explanation why it is appropriate for the objectives of the study. Describe the parts or components of the structured interview.

Construction of the Interview Guide. State how you constructed the interview questions. Explain how you will be conducting the pilot testing.

Example: Interview questions were prepared based on the research questions. First part includes the _____ while the second part of the interview guide focuses on the _____. After the draft was prepared, it will be subjected to pilot testing by interviewing two participants bearing the same characteristics as the actual participants. Their comments and suggestions concerning the interview questions will be obtained and considered in the presentation of the final copy of the interview guide.

Validation of the Interview Guide. State how you plan to validate the interview questions. Mention the criteria considered in identifying the expert-validators. Include language, content, construct validity.





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Fieldwork Interview. Indicate the interview protocol in this part (confirming attendance, greetings and introduction, briefing, interview proper, debriefing)

Member-check Meeting. Explain how member-check will be conducted.

Observation. Explanation why it is appropriate for the objectives of the study. Describe the parts or components of the observation protocol sheet.

Construction of the Observation Protocol Sheet

Validation of the Observation Protocol Sheet

Fieldwork Observation (first, second, and third)

Document Analysis. Explain the objectives of the study. Describe the process of tracking, evaluation rubrics, and synthesis.

include sub-sections
that are applicable for
your study

Document Collection and Tracking.

Document Evaluation. Rubrics to be considered include the author referred

Document Analysis.

Data Gathering Procedures

Explain in this section the procedures that you will consider in gathering the data starting from seeking the institutional approval, allowing





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the researchers to use the institution as laboratory for research leading to the observation of the protocol that should be observed during data collection.

Project Development Process

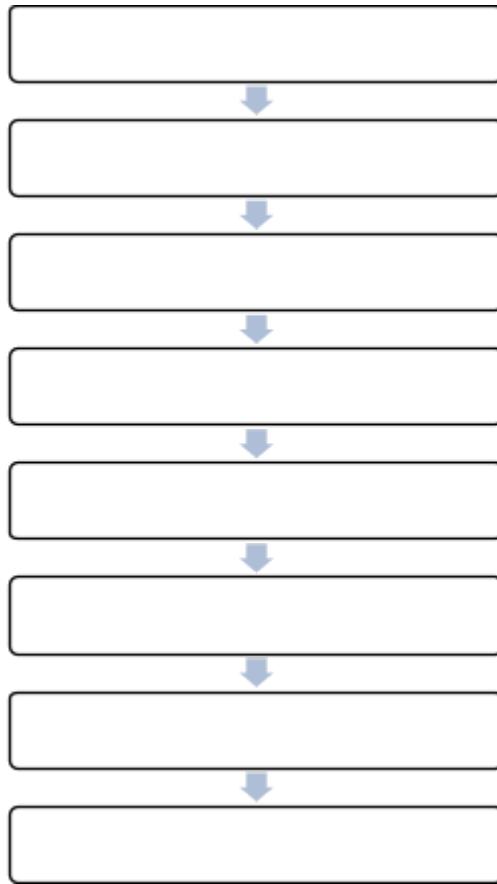


Figure 1. Project Development Process Flow

Data Analysis and Processing

Based on the research design and instruments adopted, explain how the data will be collected, recorded, and analyzed.

Ethical Considerations





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Identify ethical concerns during the conduct of data gathering and explain the procedures that you plan to undertake to prevent or reduce the risks.





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Appendix A

Proposed Project Design





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Appendix B

Proposed Project Schematic Diagram





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Appendix C

Tentative Gantt Chart

Activities / Tasks	Feb	March	April	May
1. Planning and Conceptualization	■			
2. Oral Presentation		■		
3. Requirement Analysis		■		
4. Design and Layout		■	■	
5. Procurement of Materials			■	
6.				
7.				
8.				
9.				
10.				





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Appendix D

Tentative Bill of Materials

Item	Description	Quantity	Unit Cost	Sub-total
Total				





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References

Follow the APA 7th edition citation style; hanging indent which means that the line of the citation after the first line should be indented. Use bit.ly to shorten lengthy URLs and internet links.

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Visit this link for the APA citation style guide:
<https://sites.google.com/deped.gov.ph/btihspearls/cares/research-writing-crash-course/apa-17th-edition-citation-style-guide?authuser=0>

