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INTRODUCTION (Select Header Style)

The Introduction section outlines the overall background and scientific basis of the study. This part explains the central problem being addressed, supported by relevant theories, empirical data, and findings from previous research. It presents the scientific gap or limitations found in earlier studies, which rationalize the need for the present investigation. The Introduction also states the purpose of the study clearly and concisely, describing what the researchers aim to achieve or examine. Furthermore, this section highlights the significance and potential contributions of the study to the field of chemistry, chemical education, environmental science, or applied laboratory practice. Through a logical flow of arguments, the Introduction provides readers with a comprehensive understanding of why the research is important and how it advances existing knowledge. (Select Article Body Style)

METHODS (Select Header Style)

The Methods section describes in detail the procedures and techniques used throughout the research so that the study can be replicated by other researchers. This section includes information about the research design, the instruments and materials employed, and the characteristics of the samples or subjects. All laboratory equipment, chemical reagents, or instructional media are listed along with their specifications when necessary. The sequence of experimental procedures is presented systematically, covering preparation steps, data collection techniques, and analytical procedures. For education-based studies, this section explains the validation process, trial implementation, and evaluation instruments used to measure learning outcomes or product effectiveness. The Methods section concludes by outlining the statistical or analytical approaches used to process and interpret the collected data. (Select Article Body Style)

DISCUSSION (Select Header Style)

The Results and Discussion section presents the findings of the study in a clear, structured, and scientifically grounded manner. Research data—whether in the form of tables, graphs, images, spectra, growth curves, or student learning outcomes—are displayed and described objectively. Each result is explained to highlight the trends, patterns, or changes observed during the experiment or implementation. The discussion interprets these findings using relevant theories and compares them with previous studies to demonstrate consistency, novelty, or deviation from established knowledge. This section also explains the possible mechanisms or factors influencing the results, offering scientific reasoning for the observed phenomena. In addition, the implications of the results for chemistry education, laboratory practice, or environmental management are elaborated to provide broader context. Limitations of the study may also be briefly addressed to guide future research.. (Select Article Body Style)

Tables should be presented clearly and concisely to support the findings of the study. Each table must follow the three-horizontal-line rule and should not include vertical lines. The three horizontal lines are placed at: the top of the table, below the header row, and at the bottom of the table. Every table must be numbered sequentially (Table 1, Table 2, etc.) and accompanied by a descriptive caption placed above the table. The caption should be concise while fully explaining the content without requiring readers to refer back to the text. Table contents should use consistent font size, alignment, and spacing to ensure readability. Any abbreviations or symbols used in the table should be explained in a note beneath the table.

Figures—including graphs, diagrams, photographs, and illustrations—must be clear, high-resolution, and relevant to the study's results. Each figure is numbered sequentially (Figure 1, Figure 2, etc.) in the order of appearance. A descriptive caption must be placed below the figure, explaining the key information presented. Captions should be brief but informative enough for readers to understand the figure independently from the main text. Figures should be centered on the page and sized appropriately so that all labels, scales, and symbols remain legible. If multiple subfigures are presented (e.g., Figure 2a, 2b), each subfigure should be labeled accordingly, and the overall caption should describe all parts clearly. Ensure consistency in color schemes, axis labeling, units, and legends across all figures. (Select Article Body Style)

Table 1. The output pretest dan posttest (Select Table Caption Style)

| | N | Minimum | Maximum | Mean |
|---------------------------|----|---------|---------|---------|
| Pretest Experiment Class | 34 | .00 | 68.75 | 35.2941 |
| Posttest Experiment Class | 34 | 43.75 | 93.75 | 77.9412 |
| Pretest Control Class | 35 | .00 | 68.75 | 35.7400 |
| Posttest Control Class | 35 | 37.50 | 93.75 | 74.8429 |
| Valid N (listwise) | 34 | | | |

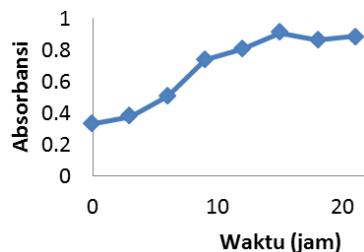


Figure 1. the example of figure caption (Select Figure Caption Style)

Subsection (Select header)

This subsection presents a more detailed explanation of specific components or focused aspects of the study. It elaborates on particular procedures, analytical processes, or thematic findings that require in-depth description. Within this section, the discussion expands on elements such as variations in experimental conditions, comparative analyses between treatment groups, or specific characteristics of the materials and instruments used. When applicable, supporting data such as graphs, tables, or images may be referenced to clarify patterns or trends observed. The subsection also highlights the scientific reasoning behind the results, linking them to theories, literature, or relevant mechanisms. Overall, this part provides a structured and comprehensive explanation of key aspects of the research that contribute directly to the interpretation and understanding of the study's overall findings. (Select Article Body Style)

CONCLUSION (Select Header Style)

The Conclusion section summarizes the essential findings of the study in a concise and coherent manner. It restates the main outcomes that directly address the research objectives and highlights the key contributions of the study. The conclusion may also emphasize the practical relevance of the results for scientific development, educational practice, or laboratory implementation. Although written briefly, this section should clearly indicate what the study has accomplished and why the findings are important. Optional recommendations for future work may be included to suggest how subsequent research could refine, expand, or apply the results to different contexts. (Pilih Style Isi Artikel)

DAFTAR PUSTAKA (Pilih Style Header....)

The References section compiles all sources cited in the manuscript and must follow the American Psychological Association (APA) 7th edition citation style. All referenced works should appear in alphabetical order by the first author's surname and formatted using a hanging indent. Each entry must include complete bibliographic information such as author(s), year of publication, article title, journal title in full, volume number (italicized), issue number (in parentheses), page range, and Digital Object Identifier (DOI) presented in URL format https://libguides.csudh.edu/ld.php?content_id=52097964. Use only credible and scholarly sources, including peer-reviewed journal articles, books, theses, dissertations, and scientific reports relevant to the study. To ensure accuracy and consistency, authors are encouraged to use a reference manager such as Zotero, Mendeley, or EndNote. These tools automatically generate citations in APA 7th edition format, help organize literature systematically, reduce formatting errors, and allow seamless insertion of citations into the manuscript. Using a reference manager also simplifies updating references, checking duplicates, and synchronizing citation lists across multiple devices. Employing such software enhances efficiency and guarantees compliance with international citation standards throughout the manuscript.

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