**The title should be accurate, unambiguous, specific, and completely identify the main issue of the paper**

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**Abstract:** The Abstract should be informative and completely self-explanatory, provide a clear statement of the problem, the proposed approach or solution, and point out major findings and conclusions. The Abstract should be 150 to 250 words in length. The abstract should be written in the past tense. No literature should be cited. A clear abstract will strongly influence whether or not your work is further considered. The Abstract should be informative and completely self-explanatory, provide a clear statement of the problem, the proposed approach or solution, and point out major findings and conclusions. The Abstract should be 150 to 250 words in length. The abstract should be written in the past tense. No literature should be cited. A clear abstract will strongly influence whether or not your work is further considered.

**Keywords**: First keyword; Second keyword; Third keyword; Fourth keyword.

1. **Introduction**

The Introduction should provide a clear background, a clear statement of the problem, the relevant literature on the subject, the proposed approach or solution, and the new value of research which is innovation.

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1. **Material and methods**

Explaining research chronological, including research design, research procedure (in the form of algorithms, Pseudocode or other), sample or speciment, tool or machine, how to test and data acquisition. The description of the course of research should be supported by references, so the explanation can be accepted scientifically.

* 1. **Tables**

All tables should be kept simple and clear, and should be referred to in the text. Tables should be presented in the form shown in Table 1.

**Table 1**. A Short Title for Tables Should Be Indented Justify

|  |  |  |
| --- | --- | --- |
| **Column title** | **Column A (t)** | **Column B (t)** |
| First row | 1 | 1.2 |
| Second row | 2 | 1.3 |
| Next row | 3 | 1.4 |

* 1. **Figures and graphics**

All figures submitted should be of high quality prints. Explanations and lengthy descriptions should be placed in the text rather than within figures.

**Figure 4.** A short caption of the figure should be centered (Min. 300 dpi).

All illustrations and photographs must be numbered consecutively as they appear in the text and accompanied with appropriate captions below them as shown in Figures 1 and 2.

|  |  |
| --- | --- |
| (a) | (b) |
| (c) | (d) |

**Figure 4.** Figure (a), Figure (b), Figure (c) and Figure (d) (Min. 300 dpi).

* 1. **Equations**

Equations must be type written and special symbols must be identified properly. The special symbols used should be defined where they first appear, and arranged alphabetically at the end of the paper in a section titled Nomenclature, placed after the References section.

$\frac{dy}{dx}=\frac{-b\pm \sqrt{b^{2}-4ac}}{2a}$ (1)

Mathematical expressions for Equations 1 and 2 should align with the subtopic title and the equation numbers are aligned to the right.

1. **Results and discussion**

In this section, it is explained the results of research and at the same time is given the comprehensive discussion. Results can be presented in figures, graphs, tables and others that make the reader understand easily. The discussion can be made in several sub-chapters.

1. **Conclusion**

Conclusion contains a description that should answer the objectives of research. Provide a clear and concise conclusion. Do not repeat the Abstract or simply describe the results of the research. Give a clear explanation regarding the possible application and/or suggestions related to the research findings.

**Author’s declaration**

**Author contribution**

**Delfi Ardius Gulo**: Was responsible for the conceptualization and design of the study, development of the CT-based Programming E-Module, data collection, and drafting of the manuscript. **Denny Kurniadi**: Contributed to the validation process, feasibility analysis, refinement of instructional content, and critical review of the manuscript. Both authors have read and approved the final version of the article.

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**Competing interest**

The authors declare no competing interest.

**Ethical clearance**

This research did not involve human or animal subjects.

**AI statement**

This article is the author's original work, written from original research and no sections or figures are generated by AI. English is checked using Grammarly and has been verified by the authors.

**Publisher’s and Journal’s note**

Universitas Negeri Padang as the publisher and Editor of Jurnal Vokasi Informatika state that there is no conflict of interest towards this article publication.

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