

### The Title Must be Written Specific, Effective, and Informative (Maximum 14 words)

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**Keywords:** word 1; word 2;  
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alphabetically.

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#### Abstract

The abstract should be clear, concise, and descriptive. This abstract should inform the readers briefly about the manuscript's purpose, methods, findings, and conclusion. The abstract should end with a comment on the significance of the results or a brief conclusion. Please write an abstract consisting of 150- 250 words.

#### Introduction

Contains the background of an introduction to the substance of the article, the reasons behind the article, both theoretical and empirical. Presenting theoretical concepts, thoughts, and findings of previous research to show gap research, comparison, and strengthening as well as sharpening discussion, and analysis. At the end, the research objectives are stated in the form of flowing paragraphs do not use subtitles, and do not use bullets or numbering in the introduction. References are indicated by writing the author's surname/last name and year of publication, without page numbers.

The introduction should be relatively non-technical, yet clear enough for an informed reader to understand the manuscript's contribution. It is the state of arts of the research, which consists of the background of the study, the motivation of the study, the theories, and the objectives of the study. It is written in the form of a paragraph.

Please don't write a literature review in your Introduction, however, do cite reviews wherever readers will realize a lot of data if they need it. Whereas writing the background, make certain your citations are relevant, well-balanced, and current (not older than ten years). Once you have got provided background material and expressed the matter or question for your study, tell the reader the aim of your study. Typically, the explanation is to fill a niche within the information or to answer an antecedent unrequited question. The ultimate factor to incorporate at the top of your introduction could be a clear and precise statement of your study aims.

Example of citing an article: One government action to solve this is privatization. Privatization policy in SOE was first performed in 1991 on PT Semen Gresik, Tbk. (Ministry of SOE). Several studies state that the financial performance of government companies increases after privatization (Dharwadkar et al., 2000; Gupta, 2005; Urga et al. 2007; Ochieng & Anwar, 2014). A study on the difference in performance before and after privatization in Indonesia has been performed, but the result is limited to significant performance improvement in real sales (Juoro, 2002). Jelic et al. (2003) and Boubakri et al. (2005) find empirical evidence that the privatization method influences a company's long-term performance.

#### Method

Contains the type of research, place of research, participants, procedures, data collection technique, and data analysis techniques as well as other matters related to the research method which can be written in sub-sections, with sub-headings.

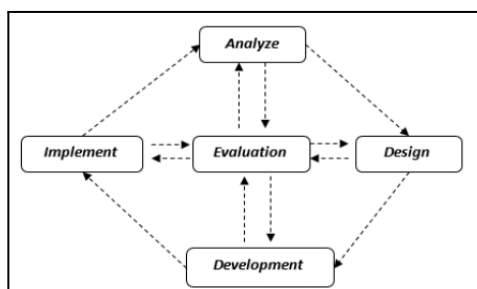


Figure 1. Design of ADDIE model

### Results/Findings

The results obtained from this development research are in the form of an articulate storyline-based learning multimedia product used to support the learning process on the Material of Temperature and Heat for Class VII Junior High School. The stages in development research include seeing potential problems, collecting data, product design stages, product validation, product revision, and product testing. The model used in this development research is ADDIE: analysis, design, development, implementation, and evaluation. The results showed that the learning multimedia developed was feasible to be used in the learning process. This is based on the validity, effectiveness, and practicality of learning multimedia based on articulate storylines. Based on the results of the validation obtained, the level of validity of learning multimedia is 0.78 with a valid category. Where the aspects that are assessed are aspects of the construct and aspects of content, the validation data can be seen in Table 1.

Table 1. The results of the validation of learning multimedia based on the articulate storyline

No	Aspects of assessment	Aikens (V)	Category
1	Construct aspect	0,77	Valid
2	Content aspect	0,79	Valid
3	Average	0,78	Valid

### Discussion

The discussion suggests the interpretation of the results in accordance with the research objectives and hypotheses (if any). The order of discussion is the same as the research objective. The discussion of the results is argumentative regarding the relevance of the results, theories, previous research, and empirical facts found, as well as showing the novelty of the findings.

### Conclusion and Suggestion

#### Conclusion

Contains a conclusion with a broad generalization of the discussion of research results that are written briefly and clearly, showing clarity of the contribution of the findings, the creation of new theories, and the possibility of developing research that can be done in the future. Theoretical and practical implications, limitations, and research suggestions are also written in flowing paragraphs.

#### Suggestion

Research limitations are delivered and suggestions for further researchers. Based on the limitations of the research, there are several suggestions shown for the improvement of development research at a further stage, including learning multimedia based on articulate storylines on Temperature and Heat material that has been developed, which will be more interesting if it can be developed into complete multimedia, be it animation, simulation, video and the addition of multimedia background. Articulate storyline-based learning multimedia can be further formed on other physics materials. Extensive trials can be carried out for further developers at the implementation stage.

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**References (APA 7 STYLE)**

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