



Article Title: Brief, concise, engaging, and reflects the main findings in the field of Science Education. Maximum 15 words, Cambria font 14pt, Bold, Centered.

First Author ^{1*}, Second Author ² (If Any), Third Author³ (If Any) (11pt, Bold)

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Article Info	Abstract (10pt)
<i>Articel history:</i> Received: xx ^{xx} Month 20xx Revised: xx ^{xx} Month 20xx Accepted: xx ^{xx} Month 20xx Availabel Online	The abstract should be written in English and Indonesian (if the journal accepts bilingual submissions), consisting of 150-250 words, in a single paragraph, without citations. The abstract for SoSERA must include: (1) A brief background of the learning/science problem, (2) Research objectives, (3) Research methods (type of research, sample, main instruments), (4)Novelty, (5) Findings (include significant figures if applicable, e.g., N-Gain increase), and (6) Conclusion and its implications for science education.
<i>Keywords:</i> First Keyword Second Keyword Third Keyword Fourth Keyword Fifth Keyword	

How to cite this article: Last Name, Frist Name. "TITLE". *Spectrum of Science Education Research and Application* xx, no. xx (Month 20xx): xxx-xxx. DOI: xx.

INTRODUCTION (11pt, Bold, UPPERCASE)

Contains the background of the science education problem (e.g., low scientific literacy, student misconceptions, etc.). It must include the State of the Art by citing science education research from the last 5-10 years. Indicate the Research Gap (what differentiates this research from previous media/learning model developments). Based on the research gap above, explicitly state the novelty of your research. What original contribution do you offer? Conclude with an explicit statement of the research objectives.

RESEARCH METHODS

For science education journals, this section must be very rigorous (strict).

Research Design: State the type (e.g., Quasi-Experiment, R&D ADDIE/Thiagarajan model, Qualitative Phenomenology).

Participants/Sample: Explain who the subjects are (without explicitly mentioning the specific school name if ethical guidelines prohibit it, e.g., "Eighth-grade students at a junior high school in Bojonegoro...").

Instruments: Explain the data collection instruments (test questions, observation sheets) and obligatorily state the Validity and Reliability values of those instruments.

Data Analysis: Explain the formulas or statistical tests used (e.g., Normality prerequisite test, T-test, ANOVA, or qualitative thematic analysis).

RESULTS AND DISCUSSION

Results: Present the findings systematically. If there are tables or graphs of microscope observation results, or pre-test/post-test scores, present them neatly. (Table Rules: Only use horizontal lines to separate the table header and the closing row. Do not use vertical lines inside the table).

Discussion: The most important part! Do not merely repeat the data from the tables. Discuss *why* the developed science learning model/media succeeded or failed. Link the hypothesis test results to scientific theories (e.g., Piaget's or Vygotsky's constructivism theory) and compare them with the findings of other researchers mentioned in the introduction.

(Example Figure 1)

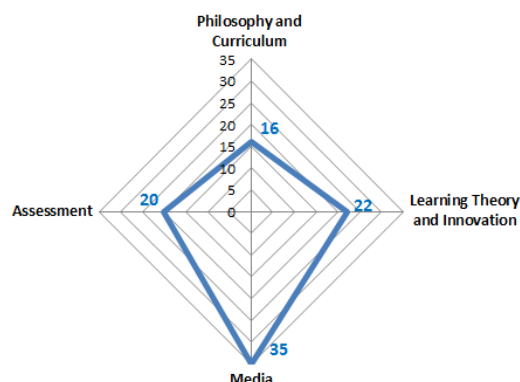
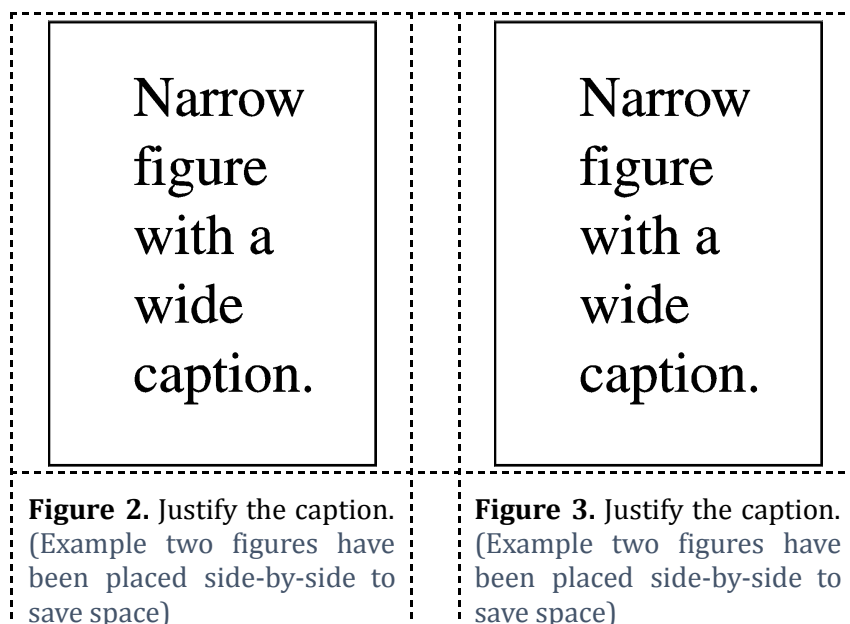


Figure 1. Four aspect of student ability (example figure with short)

(Example Figure 2&3)



(Example Table 1)

The table does not contain vertical lines (upright) and horizontal lines (even) only in the head and tail of the table. Tables and figures can be reduced in font size. The numbers in the table should not be repeated in verbal narratives either before or after.

Table 1. A table with headings spanning two columns and containing notes.

Title	Title	Title	Title Descriptions	
			xxxx	yyyy
X	Y ^a	table data	0	0
X	Y ^b	table data	0	0
X	Y ^c	table data	0	0

^aText notes.

^bText notes.

^cText notes.

CONCLUSION

Answer the research objectives in a narrative form consisting of 1-2 paragraphs, not bullet points. State the limitations of this study and provide recommendations for science teachers or future researchers.

ACKNOWLEDGMENTS (Optional)

State if this research was funded by the university (e.g., LP2M), the Ministry of Religious Affairs (Kemenag), the Ministry of Education and Culture (Kemdikbud), or other sponsors, complete with the contract agreement letter number.

REFERENCES

Citations and bibliography must use APA Style 7th Edition and utilize a Reference Manager application (Mendeley, Zotero, etc.). A minimum of 15-20 references is required, with 80% sourced from recent scientific journals (published within the last 5-10 years).

(Example of APA 7th): Last Name, Initials. (Year). Article title. *Journal Name* (Italic), Volume(Issue), Pages. DOI/URL.