

The Correlation Between Student's Learning Styles and Student's Writing Skill

By: Mutiara Noor Imani (198820300047)

Advisor: Dr. Fika Megawati. M.Pd

English Language Education

Faculty of Psychology and Educational Sciences

University of Muhammadiyah Sidoarjo

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Research Background and Theory

- Learning style is a process of behaviour, appreciation, and one's propensity to learn or gain knowledge in its own method, according to Anggrawan (2019).
- Visual, auditory, and kinesthetic learning preferences were used in this study as sensory preferences. Sensory preferences are justified because students can perceive learning events through their senses. According to preferred senses, kinesthetic learners learn by movement, work, and touch, whereas auditory learners learn by hearing. Every learner has all three learning styles; however, one style tends to dominate (Rambe & Yarni, 2019).
- Writing ability is a rare talent that enables the writer to communicate his ideas in meaningful ways and engage the reader on a deeper level (Mulinti, 2020).

Previous Research

- [1] E. Erginer, “A study of the correlation between primary school students’ reading comprehension performance and the learning styles based on memory modelling,” *Educ. Sci.*, vol. 39, no. 173, pp. 66–81, 2014.
- [2] Karmila, “The Correlation Between Students’ Learning Style and Students’ Reading Comprehension at the Tenth Grade of Ma Ddi Takkalasi Kab. Barru,” 2018.
- [3] M. I. Maulana, “The Correlation Between Learning Style and Students’ Vocabulary Mastery of the First Grade Students at State Junior High School 3 Tambang,” 2020.
- [4] F. Nisa, “The relationship between students’ learning style and their reading comprehension of narrative text,” 2016. [Online]. Available: <http://repository.uinjkt.ac.id/>

Research GAP

- There is four previous research that researchers found. Three research titles discuss the relationship between learning styles and reading ability with one study discussing the relationship between learning styles and vocabulary in children.

Research Questions

What is the Correlation Between Student's Learning Styles and the Writing Skills of Eight Graders at One of the Muhammadiyah Private Schools in Sidoarjo?

Research Methodology

➤ Research Design

In this work, researchers used quantitative techniques with a correlational design.

➤ Research Setting

This research was conducted at one of the Muhammadiyah private schools in Sidoarjo. Data collection was carried out in February 2023.

➤ Data and Source of Data

The researchers used a one-class sample from the 8th-grade population. Data about the independent variables in this study were collected using a student questionnaire about their learning styles and the results of students' writing skills which are the dependent variable in this study which were collected through documentation.

➤ Data Collecting Technique

Researchers have used closed questionnaires and documentation to collect data in this study. The questionnaire items that the researchers adopted from the previous research questionnaire which contained 30 questions about differences in student learning styles would be used as instruments to collect data. In addition, the researchers also conducted documentation by collecting soft files of students' writing skills scores.

➤ Data Analysis

To make the classification and presentation of the data more understandable when performing this study, researchers used descriptive statistics. To examine research data, researchers have used IBM SPSS Statistics version 26.

Research Findings/Results

Chart 1. The Ratio of Student's Learning Style



It can be seen that 11 students learn to use visual learning styles, 9 students learn to use an auditory learning style and 6 students learn to use a kinaesthetic learning style. Thus, it was concluded that the dominant learning style of class VIII-A students at one of the Muhammadiyah Middle Schools in Sidoarjo for the 2022-2023 school year is the visual learning style.

Table 2. The Distribution of Students' Writing Skill Scores

N o.	Range Score	Total Students
1.	0 - 30	0
2.	31 - 60	0
3.	61 - 85	13
4.	86 - 100	13
Total		26

The lowest score obtained by students in that class was 85. The total number of students who scored 85 was 13 students, which means that the remaining 13 students scored above 85. The highest score obtained by students in class VIII-A was 92 and those who received grades The highest is only one child. It can be ensured that students understand the material on the tasks given by their English teacher which makes students able to master the task of writing their descriptive text.

Table 3. The Result of Correlation Calculation

Correlations

		Learning styles	Writing skill
Learning styles	Pearson Correlation	1	.641**
	Sig. (2-tailed)		.000
	N	26	26
Writing skill	Pearson Correlation	.641**	1
	Sig. (2-tailed)	.000	
	N	26	26

** . Correlation is significant at the 0.01 level (2-tailed).

➤ Based on the score (r_{count}) is 0.641 and the score (r_{table}) is 0.515 indicating that the score $r_{\text{count}} > r_{\text{table}}$ is $0.641 > 0.515$. This means that H_a is accepted and H_0 is rejected or there is a significant relationship between student's learning styles and student's writing skills.

- The calculation shows that the correlation value above shows that the correlation coefficient (r_{count}) is 0.641 of the total students ($N=26$) at a significant level of two variables 1%.
- Degrees of freedom (df) = 24 ($26-2$), then the critical value (r_{table}) is 0.515.

Research Implication

- The results of this study are to strengthen previous research on learning styles and encourage English teachers to adapt learning to the different learning styles of students in class.

Conclusion

Looking at this research question, the results show that there is a strong correlation between students' learning styles (X) and students' writing skills (Y). The statistical hypothesis also shows that H_a is accepted and H_0 is rejected. The conclusion that can be drawn from these results is that student learning styles have a positive influence on students' writing skills or the significance of student learning styles can be improved and enhanced by the English teacher on students' writing skills at one of the Muhammadiyah Middle Schools in Sidoarjo.

Suggestion

- Students should try to find learning styles in themselves and improve these learning styles to get better performance in writing skills. Because knowing student learning styles can learn more comfortably and understand learning more quickly.
- A teacher should try to find out the learning style of each student in the class to determine the learning media that suits the student's learning style. Therefore, teachers must have a lot of learning media that are used according to student learning styles. Teachers must often give writing assignments to students so that students will always practice their writing skills.
- For other researchers so that other researchers can continue or strengthen this research even better. It is hoped that other researchers can find out about the correlation of student learning styles with other English skills.

Thank You...



