

Abdul Azis Nasution_The Influence of Learning Model- Turnitin

by - -

Submission date: 03-Jul-2023 01:41AM (UTC-0700)

Submission ID: 2125943006

File name: dul_Azis_Nasution_The_Influence_of_Learning_Model-_Turnitin.docx (671.3K)

Word count: 3285

Character count: 19036

The Influence of Learning Models and Learning Styles on Student's Science Literacy in Primary School

| Abdul Azis Nasution^{1,*} | Retno Dwi Suyanti² | Wildansyah Lubis³ |

^{1,2,3}Department of Primary Education, Postgraduate School of Universitas Negeri Medan, Indonesia.

*abdulazisnasution@mhs.unim ed.ac.id

ABSTRACT

The purposes of this research are to analyze: 1) The influence of learning models on students' science literacy abilities, 2) The influence of learning styles on students' science literacy abilities, and 3) The interaction between learning models and types of learning styles on students' science literacy abilities in primary school. This type of research is a Quasi-Experimental design with Nonequivalent Pretest-Posttest Control Group Design. In this study, The population was all fifth-grade students of SD Negeri 067251 Medan Deli. With sampling techniques and totaling samples, the entire population was sampled. Research instruments in the form of learning style questionnaires and science literacy assesment. The data were analyzed using Two-Way Anova with the help of IBM's SPSS version 26 program. The results showed that: 1) There is an influence of learning models on students' science literacy abilities (sig. 0.00 < 0.05); 2) There is an influence of student learning styles on students' science literacy abilities (sig. 0.014 < 0.05); and 3) There is an interaction between learning models and learning styles on students' science literacy abilities in primary schools (sig. 0.043 < 0.05).

KEYWORDS

Learning Model, Learning Style, Science Literacy

INTRODUCTION

Science literacy is one of the 21st-century capabilities that students must possess (Forum, 2015). Due to the importance of scientific literacy, Indonesia participates in international science assessments, such as the Programme for International Student Assessment (PISA), run by The Organization for Economic Cooperation and Development (OECD). Indonesia ranks 70 out of 78 countries based on its average science literacy of 396, which is lower than the international average of 489, as determined by the 2018 PISA study. This indicates that students' science literacy abilities are below the international average.

Scientific literacy became less is caused by several reasons, including the educational system and curriculum, the choice of learning models and methods, facilities, resources, and learning materials (Aiman et al., 2019). Nurhairani et al. (2019) explained several problems related to science literacy, including (a) the science material taught is not related to real everyday life and does not affect student understanding; (b) comprehensive science learning has not been carried out optimally; and (c) teacher science literacy competence is still low. One of the factors that is directly related to student learning activities and affects students' science literacy abilities is the selection of teacher learning models.

Science education is the capacity to utilize logical understanding to illuminate issues, learn modern things, portray logical marvels, and come to conclusions around logical themes based on prove (OECD, 2016; Wulandari & Solihin, 2016). A individual is considered deductively proficient on the off chance that he can: 1) characterize logical marvels, 2) freely assess and plan logical information and capacities, and 3) decipher logical information and

Abdul Azis Nasution_The Influence of Learning Model- Turnitin

ORIGINALITY REPORT

11%

SIMILARITY INDEX

8%

INTERNET SOURCES

7%

PUBLICATIONS

2%

STUDENT PAPERS

PRIMARY SOURCES

1	jurnal.saburai.id Internet Source	1%
2	journal.uinsgd.ac.id Internet Source	1%
3	Bayu Wijayanto, Sumarmi Sumarmi, Dwiyono Hari Utomo, Budi Handoyo, Muhammad Aliman. "Problem-based learning using e-module: Does it effect on student's high order thinking and learning interest in studying geography?", Journal of Technology and Science Education, 2023 Publication	1%
4	repositorio.cepal.org Internet Source	1%
5	I Diansah, A Asyhari. "Effectiveness of physics electronic modules based on Self Directed Learning Model (SDL) towards the understanding of dynamic fluid concept", Journal of Physics: Conference Series, 2020 Publication	1%

6	<p>Syamsul Arifin, Punadji Setyosari, Cholis Sa'dijah, Dedi Kuswandi. "The effect of problem based learning by cognitive style on critical thinking skills and student retention", Journal of Technology and Science Education, 2020</p>	1 %
Publication		
7	<p>repository.lppm.unila.ac.id</p>	1 %
Internet Source		
8	<p>jonuns.com</p>	1 %
Internet Source		
9	<p>Yolani Erawati, Syahrul Ramadhan. "The effectiveness of the Think Pair Share (TPS) method on explanatory text writing skills in terms of learning styles", BAHASTRA, 2021</p>	<1 %
Publication		
10	<p>Rina Kurnia, Yeti Nurhayati. "DEVELOPMENT OF INQUIRY-BASED STUDENT WORKSHEETS (LKPD) ON MATHEMATICS SUBJECT IN THE MATERIAL OF CUBES AND BLOCKS TO IMPROVE MATHEMATICAL UNDERSTANDING OF SLOW LEARNERS", PrimaryEdu - Journal of Primary Education, 2020</p>	<1 %
Publication		
11	<p>Desak Made Anggraeni, Binar Kurnia Prahani, Nadi Suprpto, Noly Shofiyah, Budi Jatmiko. "Systematic review of problem based learning</p>	<1 %

research in fostering critical thinking skills",
Thinking Skills and Creativity, 2023

Publication

12

Isti Citra Wulandari, Nuri Dewi Muldayanti, Anandita Eka Setiadi. "Project and problem based learning on students' critical thinking skills at cell material", JP BIO (Jurnal Pendidikan Biologi), 2020

Publication

<1 %

13

journal.unnes.ac.id

Internet Source

<1 %

14

Wulan Pryanti, Harun Nasrudin. "Penerapan Model Pembelajaran Kooperatif Tipe STAD untuk Meningkatkan Literasi Sains Peserta Didik Melalui Metode Blended Learning pada Materi Laju Reaksi", PENDIPA Journal of Science Education, 2022

Publication

<1 %

15

repository.uin-malang.ac.id

Internet Source

<1 %

16

Tuwoso Tuwoso. "Comparison of learning outcomes in metal casting subject using traditional learning model with problem-base learning through SIPEJAR", AIP Publishing, 2022

Publication

<1 %

17

ejournal.iainpalopo.ac.id

Internet Source

<1 %

18

journal2.um.ac.id

Internet Source

<1 %

19

www.siducat.org

Internet Source

<1 %

20

Submitted to Napier University

Student Paper

<1 %

21

Submitted to Universitas Bangka Belitung

Student Paper

<1 %

22

R Mushlihuiddin, Nurafifah, Irvan. "The effectiveness of problem-based learning on students' problem solving ability in vector analysis course", Journal of Physics: Conference Series, 2018

Publication

<1 %

23

Sukasno Sukasno, Drajat Friansah, Lucy Asri Purwasi. "PROBLEM-BASED LEARNING MODEL IN ELPSA FRAMEWORK ON MATHEMATICAL LEARNING PROCESS IN JUNIOR HIGH SCHOOL", Infinity Journal, 2018

Publication

<1 %

24

e-journal.hamzanwadi.ac.id

Internet Source

<1 %

25

Muhammad Farid Ubaidillah, Arba'iyah Yusuf, Muhammad Abror Mubaroq, Muhammad

<1 %

Adam Jauhari. "Analisis Model Pembelajaran Sesuai dengan Gaya Belajar Anak Sekolah Dasar yang Beragam", ALSYS, 2023

Publication

26

P I V D Radjibu, H Kuswanto, Sugiharto. "Analysis of critical thinking skills and scientific communication of students for SHM concepts assisted by Ispring quiz maker test instrument", Journal of Physics: Conference Series, 2020

Publication

<1 %

Exclude quotes Off

Exclude matches Off

Exclude bibliography On