



THE INFLUENCE OF INFORMATION SEARCH-BASED LEARNING METHODS ON PAI LEARNING OUTCOMES

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ABSTRACT

This experimental study aimed to assess the impact of the information search learning method on the learning outcomes of fifth-grade students in Islamic religious education at Bani Rauf Integrated SDS in Gowa district. The research involved two classes, with class Va (experimental) comprising 19 students and class Vb (control) comprising 23 students. The study used tests and documentation to collect data, which were then analyzed using descriptive and inferential statistics. Before implementing the information search learning method, the student's average score in Islamic religious education was 51. However, after applying the method, their average score significantly increased to 88. A comparative analysis revealed a positive influence on the student's learning outcomes, indicating the effectiveness of the information search learning method. The results of the hypothesis testing using inferential statistics supported this finding, with a significant difference observed between the control and experimental classes. Based on these findings, it is recommended that elementary schools consider adopting information-search learning methods to improve the effectiveness and enjoyment of learning. Such methods can potentially enhance students' learning outcomes in Islamic religious education, benefiting educators, students, and the overall learning environment by fostering knowledge acquisition and understanding.

Keywords: Information retrieval; learning outcomes

1. INTRODUCTION

Education is all forms of conscious effort in the form of fostering the mind and body throughout an individual's life to improve his personality to take a role in various environments in the future (Purwanto, 2014: 24). Learning includes three aspects: educators, students, and learning situations (Indah Komsiyah, 2012). A method is used to carry out plans that have been prepared in actual activities to achieve the goals that have been prepared as well as possible (Sanjaya, 2014). The success of implementing learning strategies depends largely on teachers' use of learning methods because learning strategies can only be implemented by learning methods. The learning method is the entire series of presentations of teaching material which includes all aspects before, during, and after learning carried out by the teacher and all facilities used directly in the teaching and learning process (Istarani, 2014).

Based on the observations, teachers agree to apply learning methods encouraging students to be active. One of the learning methods that can be used to anticipate the weaknesses of a teacher's learning strategies is to apply the information search learning method. This learning emphasizes the use of certain structures designed to influence students to be able to work together in small groups by looking for information from relevant sources under the subject of Islamic Religious Education.

Information Search is a method that provides opportunities for students to dance information through any means or media that allows them to get information (Arifin Zainal, 2012). The information Search method is a method of learning to find information, the information can be obtained through newspapers, package books, magazines, or the Internet. This is used by students to have more information about the material to be learned, so that students actively seek information, then the teacher makes a problem as outlined in the Student Discussion Sheet (LDS). (Nasution, 2008). Learning outcomes are the result of an interaction of learning actions and teaching actions (Sudjana N, 2016). Learning outcomes are changes that result in humans changing their attitudes and behavior (Purwanto, 2014).

According to (Ahmad Tafsir, 2010) Islamic Religious Education is an education based on Islam in fostering and forming Muslim personalities who are devoted to Allah SWT, and love for parents and others as gifts given by Allah SWT. Some research on the application of information search learning methods to student learning outcomes. As in research (Husnarisada, 2019) who conducted research at MIN 3 Tanah Laut and got the same results, namely the influence of information search learning methods on the learning outcomes of Islamic Religious Education. Shinta Bela Emelta, 2020) who conducted research at SMP Negeri 1 Pulaupanggung Tanggamus Regency and got the

same results, namely the influence of information search learning methods on the learning outcomes of Islamic Religious Education.

The above background encourages researchers to make efforts to improve student learning outcomes. From the review of existing literature and problems, learning using information search-based learning methods are considered appropriate and more effective to overcome existing problems, so researchers will examine the influence of information search-based learning methods on student learning outcomes.

2. METHODS

This type of research is quantitative research using experimental methods. The research design conducted was a two-group pretest-posttest design, with a population of all grade V students at Bani Rauf Integrated SDS, Gowa Regency consisting of 41 people. The sampling technique used in this study was the purposive sampling technique. The purposive sampling technique is a sampling technique with certain considerations. (Sugiyono, 2017: 124).

The data collection method used in this study is in the form of tests and documentation formats. The research instruments are pre-test and posttest questions totaling 16 multiple-choice questions that aim to determine students' learning outcomes before and after applying information search-based learning methods in the learning process. (Sugiyono, 2018: 142).

The data analysis techniques used in this study are descriptive and inferential statistical analysis. Descriptive analysis is a data analysis technique either made for oneself or in groups that describe data, while descriptive analysis provides meaning or explanation systematically based on accurate facts about the events to be studied (Agus Riyanto, 2019). Descriptive analysis is used to answer the first and second problem formulation, namely the learning outcomes of PAI students before and after applying information search-based learning methods.

The inferential analysis is used to answer the formulation of the third problem, namely whether there is an influence of the use of information search-based learning methods on the learning outcomes of PAI students in grade V of Bani Rauf Integrated Elementary School, Gowa Regency.

3. RESULTS AND DISCUSSION

The difference in the average score of the initial test, the final test in the experimental class, and the control class can be seen in Table 1. Based on the table, it shows that the learning outcomes of the experimental class are higher than the learning

outcomes of the control class. This means that the treatment in the experimental class is better than the treatment given in the control class.

1. Student Learning Outcomes Before Implementing Information Search-Based Learning Methods in Bani Rauf Integrated Elementary School Classroom, Gowa Regency

Table 1. Descriptive Analysis of Pre-Test Experimental Class and Control Class

	Descriptive Statistics					
	N	Range	Minimum	Maximum	Mean	SD
Control Class	22	33	36	69	50	5
Experimental Class	19	31	38	69	51	4

Based on Table 1. It can be seen that the learning outcomes of students before applying the information search-based learning method obtained an average score in the experimental class of 51, while the standard deviation was 4. Obtaining a maximum score of 69 and a minimum value of 38 so that a range of 31 is obtained with a sample of 19 students.

In the control class, the average score was 50 with a standard deviation of 5. The maximum score is 69 and the minimum value is 36, so a range of 33 is obtained with a sample of 22 students. The categorization of student learning outcomes before applying information search-based learning methods can be seen in Tables 2 and 3.

Table 2. Categorization of Student Learning Outcomes Before Applying Information Search-Based Learning Methods in Experimental Classes

Category Limit	Interval	Frequency	Percentage	Information
$X < (\mu - 1,0\sigma)$	$X < 47$	13	68,42%	Low
$(\mu - 1,0\sigma) \leq X < (\mu + 1,0\sigma)$	$48 \leq X \leq 55$	1	5,26%	Keep
$(\mu + 1,0\sigma) < X$	$56 \leq X$	5	26,32%	High
Sum		19	100%	

Table 2 shows that in the experimental class, there are three categories achieved. The three categories obtained, namely 13 students were in the low category with a percentage of 68.42%, in the medium category there was 1 student with a percentage of 5.26% and in the high category there were 5 students with a percentage of 26.32%. So, based on the percentage above, it can be categorized that most of the learning

outcomes of experimental class students before being taught with information search-based learning methods are in a low category with a percentage of 68.42%.

Table 3. Categorization of Student Learning Outcomes Before Applying Information Search-Based Learning Methods in Control Classes

Category Limit	Interval	Frequency	Percentage	Information
$X < (\mu - 1,0\sigma)$	$X < 46$	10	45,45%	Low
$(\mu - 1,0\sigma) \leq X < (\mu + 1,0\sigma)$	$47 \leq X < 56$	7	31,82%	Keep
$(\mu + 1,0\sigma) < X$	$57 \leq X$	5	22,73%	High
Sum		22	100%	

Table 3 shows that there are three categories achieved (low, medium, and high). In the three categories obtained, there were 10 students with a percentage of 45.45%, 7 students with a percentage of 31.82% in the medium category and there were 5 students with a percentage of 22.73% in the high category. Based on the data obtained, it can be concluded that the pre-test score in the control class is in the low category with a percentage of 45.45%.

2. Student Learning Outcomes After Applying Information Search-Based Learning Methods in Bani Rauf Integrated Elementary School Classroom, Gowa Regency

The learning outcomes of PAI students in grade V of Bani Rauf Integrated Elementary School, Gowa Regency after applying the Information Search-Based Learning Method were obtained from the post-test question instrument answered by 41 students. Such data are presented in Table 4.

Table 4. Descriptive Analysis Post-Test Experimental Class and Control Class

	Descriptive Statistics					
	N	Range	Minimum	Maximum	Mean	SD
Control Class	22	20	65	85	77	3
Experimental Class	19	17	79	96	88	1

Based on Table 4. It can be seen that the learning outcomes of students after applying the Information Search-based learning method obtained an average score of in the experimental class of 88, while the standard deviation was 1. The maximum score is 96 and the minimum value is 79, so a range of 17 is obtained with a sample of 19 students.

In the control class, the average score was 77 with a standard deviation of 3. The maximum score is 85 and the minimum value is 65, so a range of 20 values is obtained with a sample of 22 students. The categorization of student learning outcomes before applying information search-based learning methods can be seen in tables 5 and 6.

Table 5. Categorization of Student Learning Outcomes After Applying Information Search-Based Learning Methods in Experimental Classes

Category Limit	Interval	Frequency	Percentage	Information
$X < (\mu - 1,0\sigma)$	$X < 85$	4	21,05%	Low
$(\mu - 1,0\sigma) \leq X < (\mu + 1,0\sigma)$	$86 \leq X < 89$	8	42,11%	Keep
$(\mu + 1,0\sigma) < X$	$90 \leq X$	7	36,84%	High
Sum		19	100%	

Table 5 shows three categories (low, medium, and high). In the three categories obtained, there were 4 students with a percentage of 21.05%, 8 students with a percentage of 42.11% in the medium category and there were 7 students with a percentage of 36.84% in the high category. Based on the data obtained, it can be concluded that the post-test value in the experimental class is in the medium category with a percentage of 42.11%.

Table 6. Categorization of Student Learning Outcomes After Applying Information Search-Based Learning Methods in Control Classes

Category Limit	Interval	Frequency	Percentage	Information
$X < (\mu - 1,0\sigma)$	$X < 73$	4	18,18%	Low
$(\mu - 1,0\sigma) \leq X < (\mu + 1,0\sigma)$	$74 \leq X < 79$	12	54,55%	Keep
$(\mu + 1,0\sigma) < X$	$80 \leq X$	6	27,27%	High
Sum		22	100%	

Table 6 shows that there are three categories achieved (low, medium, and high). In the three categories obtained, there were 4 students with a percentage of 18.18%, 12 students with a percentage of 54.55% in the medium category and there were 6 students with a percentage of 27.27% in the high category. Based on the data obtained, it can be concluded that the post-test value in the control class is in the medium category with a percentage of 54.55%.

3. *The Effect of Information Search-Based Learning Methods on PA Learning Outcomes I*

Hypothesis testing applies inferential statistics, namely with a two-party t test previously carried out in normality testing whose purpose is to find out whether the distribution of data is normal. Normality testing is performed using SPSS 20 Kolmogorov-Smirnov and Shapiro-wilk for a significant level $\alpha = 0.05 < \text{sig SPSS}$ then it can be said that the data follows a normal distribution.

From the results of the hypothesis test and supported by relevant studies, it can be concluded that there is an influence of the application of information search learning methods on the learning outcomes of PAI students of grade V of Bani Rauf Integrated SDS, Gowa regency with a significance value of 0.03.

Teachers use the information Search method to ask students to answer questions asked by educators and students themselves. Looking for information from questions asked to them or this method can also be called an open book exam. (Agus N Cahyo, 2013). Based on the findings and analysis conducted in research, learning by applying information search learning methods can improve student learning outcomes, especially in PAI learning. The improvement in learning outcomes occurs because the learning atmosphere that occurs when applying the information search method supports the creativity of students to find information in solving questions that the teacher has presented.

To draw conclusions from the results of the study, it can be seen with the t-test. because the significance value is $0.03 < 0.05$, it can be ascertained that H_0 is rejected and H_1 is accepted. Thus, it can be concluded that information search-based learning methods affect PAI learning outcomes.

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