

The effectiveness of scrapbook media on students' learning outcomes in thematic learning for 3rd grade at SDN Deket Kulon Lamongan

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Abstract: Thematic learning is a teaching approach that combines or integrates various concepts from multiple subjects or fields of study into a single theme or specific topic. This research is motivated by the fact that there are issues with the implementation of Thematic Learning at SDN Deket Kulon Lamongan, including the insufficient use of thematic learning media by teachers, resulting in students' learning outcomes not fulfil the minimum completeness. Based on these problems, there is a need to employ learning media to aid students in understanding Thematic Learning concepts, thus enhancing their learning outcomes. The objective of this study is to employ the Scrapbook media and determine its effectiveness in Thematic Learning on the learning outcomes of 3rd Grade students at SDN Deket Kulon Lamongan. The research method used is quantitative research with an experimental design, specifically the one-group pre-test post-test design. The results of the research indicated that in the paired samples t-Test, the obtained significance value (sig) is $0.000 < 0.05$, demonstrating the influence of Scrapbook media on students' learning outcomes in Thematic Learning for 3rd Grade at SDN Deket Kulon Lamongan. Furthermore, the average post-test scores of students showed an improvement of 16.9. Hence, it can be concluded that the Scrapbook media has a significant impact on enhancing students' learning outcomes in Thematic Learning for 3rd Grade at SDN Deket Kulon Lamongan.

Keywords: Scrapbook Media, Learning Outcomes, Thematic Learning

PRELIMINARY

The learning process used in the 2013 curriculum incorporates a scientific approach, including thematic, religious, and local content learning. Thematic learning is an approach that integrates various subjects or topics (Malawi and Ani Kadarwati, 2017:3). During the thematic learning process, students will comprehend the subject matter based on direct experiences and connect it to the realities present in their surrounding environment. Thematic learning is implemented through various efforts made by teachers to teach the themes, although many teachers encounter difficulties in obtaining suitable media (Munasik, 2015:105).

In reality, the implementation of thematic learning has encountered various difficulties and obstacles. One of the main issues is that teachers often underutilize media

in thematic teaching, resulting in students' lack of engagement, boredom, and a less enjoyable learning experience. To address these challenges and provide high-quality thematic learning, one of the essential efforts that teachers can make is through the use of innovative teaching media. The incorporation of effective teaching media is crucial in supporting the success of the educational process. These media serve as tools to facilitate the delivery of information to students, ultimately helping to achieve the learning objectives optimally.

In connection with the aforementioned statement, the researcher conducted observations in several schools that implement thematic learning, namely MI Islamiyah Soko, MI Narrative Qur'an, and SDN Deket Kulon. The observations yielded similar findings across the three schools, highlighting the common problem of insufficient utilization of teaching media. For instance, MI Islamiyah Soko only employs student textbooks, MI Narrative Qur'an merely exemplifies the school environment with nearby plants, and SDN Deket Kulon faces a more complex issue where teachers struggle to use thematic teaching media effectively, resulting in students' diminished interest in the learning process. Given the challenges observed, there is a need for the integration of teaching media to help students grasp learning concepts better, fostering increased interest and active participation in the learning process, and ultimately achieving the learning objectives.

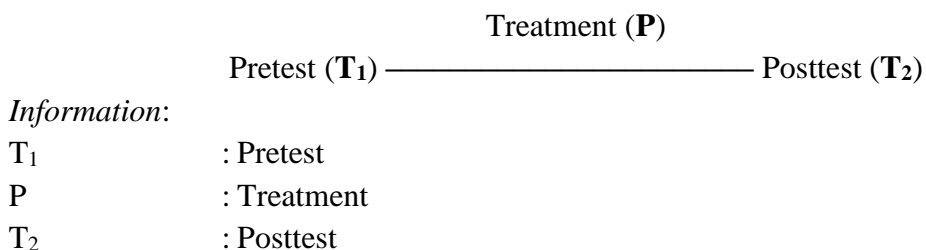
Based on the mentioned problem, there is a need for a media solution to address it, and one of the innovative teaching media that can be utilized is the Scrapbook media in thematic learning. According to Liawati Permata Sari, Scrapbook is an art of sticking decorations on paper and embellishing them with creative works (Sari, L.P, 2017). The Scrapbook teaching media is a handmade creation made of paper, and its effective usage lies in its ability to provide an appealing and tangible impression for students (Pratiwi, M, 2017). Based on the above understanding, it can be concluded that Scrapbook media is an artistic platform for attaching creatively decorated cuttings onto paper. Therefore, it is expected that using the Scrapbook media will help students easily absorb the learning materials.

The urgency of this research lies in the need for a media solution to overcome the aforementioned challenges, and one effective approach is through the innovative use of *Scrapbook* media in thematic learning. The Scrapbook media offers a creative way to attach various cutouts onto paper, providing an engaging means for students to assimilate the learning materials effortlessly.

METHOD

This research used a quantitative approach, which involves using numerical data and concrete evidence to establish cause-and-effect relationships and discover knowledge and answers related to the subject being studied (Hardani et al., 2020:279). The specific type of quantitative research chosen for this study is the experimental method, utilizing the One Group Pre-test Post-test experimental design. This design

follows the pattern: "01 X 02" (Arikunto, 2002:78). The research is conducted to examine the impact of Scrapbook media on learning outcomes in thematic teaching for 3rd-grade students at SDN Deket Kulon Lamongan. The experimental design One Group Pre-test Post-test is illustrated as follows:



The research was conducted at SDN Deket Kulon Lamongan, and the subjects of the study were 3rd-grade students of SDN Deket Kulon Lamongan. The research was carried out from January to June 2021. The population for this study included all students at SDN Deket Kulon Lamongan, while the sample consisted of all 21 students from the 3rd-grade.

Several data collection techniques were utilized, including observation, interviews, tests, and documentation. The observation technique was employed to observe any issues arising during the thematic learning process in the 3rd-grade at SDN Deket Kulon Lamongan. Interviews were conducted to gather information related to the IIA class thematic learning at SDN Deket Kulon Lamongan. Testing was utilized to obtain data on students' cognitive learning outcomes. Meanwhile, documentation was employed to record and document the teaching and learning process using the Scrapbook thematic learning media.

Among the various research instruments, the most significant one was the test instrument. Before using the test instrument in the research, validation and pilot testing were conducted with non-respondent samples to assess the quality of the test instrument. The pilot testing helped to determine the validity, reliability, item discrimination, and difficulty level of the test questions in the instrument.

The research process begins with the first step of conducting a pre-test to assess the students' learning outcomes before implementing the thematic learning using the Scrapbook media, the second step involves analyzing the results of the pre-test, in the third step, the treatment is applied, which entails implementing the thematic learning using the Scrapbook-based media in the 3rd-grade at SDN Deket Kulon Lamongan, and the last step, a post-test is administered to evaluate the 3rd-grade students' of SDN 3 Deket Kulon Lamongan learning outcomes after using the Scrapbook-based thematic learning media. In addition to these steps, the research will also conduct a hypothesis test to determine the impact of the Scrapbook-based thematic learning media on the learning outcomes of the 3rd-grade students at SDN Deket Kulon Lamongan by using t-test. This hypothesis test will use the paired sample t-test assisted by SPSS 23 software to analyze the data.

RESULTS

The results of this research are related to the learning outcomes of 3rd-grade students in thematic learning using the Scrapbook media, conducted at SDN Deket Kulon Lamongan Lamongan. Subsequently, data analysis was carried out to determine its impact on students' learning outcomes. The research implementation involved three steps: administering the pretest, applying the treatment, and conducting the posttest.

1) Learning Outcomes in the Pre-test

The initial research activity before carrying out the treatment, that is learning by using the Thematic Scrapbook learning media, first carried out pre-test with the aim of knowing the students' initial scores in Thematic learning class 3 SDN Deket Kulon Lamongan, based on learning outcomes in the pretest, then analyzed and compared with the posttest after applying Thematic learning using the Thematic Scrapbook learning media. As for the assessment of learning outcomes during the Pretest, the value recapitulation is obtained as follows:

Table 1.1 Summary of Pre-test Scores for 3rd Grade Students at SDN Deket Kulon Lamongan

No.	Respondents	Student scores <i>pre-test</i>
1.	Respondent 1	60
2.	Respondent 2	75
3.	Respondent 3	54
4.	Respondent 4	78
5.	Respondent 5	50
6.	Respondent 6	58
7.	Respondent 7	56
8.	Respondent 8	76
9.	Respondent 9	68
10.	Respondent 10	80
11.	Respondent 11	80
12.	Respondent 12	47
13.	Respondent 13	52
14.	Respondent 14	76
15.	Respondent 15	78
16.	Respondent 16	68
17.	Respondent 17	80
18.	Respondent 18	72
19.	Respondent 19	65
20.	Respondents 20	79
21.	Respondent 21	72
Average Score Total		67,8

Based on the score recapitulation of the Thematic Learning pretest, the average score obtained by the students can be seen in Table 1.1. The average score for the pretest is 67.8 out of the maximum score of 100. The highest score achieved by a student is 80, while the lowest score is 47. Out of the total students, 9 students completed the Minimum Criteria for Mastery (KKM) of 75, while 12 students fall below the KKM. From the score recapitulation, it can be concluded that the learning outcomes of the 3rd-grade students in Thematic Learning at SDN Deket Kulon Lamongan have not reached the minimum passing score of ≥ 75 , and a significant portion of the students' scores are categorized as low.

2) Learning Outcomes in the Post-test

The Post-test was conducted after implementing the treatment of using Scrapbook media in thematic learning for 3rd-grade students at SDN Deket Lamongan. The results of the students' learning outcomes in the post-test are presented below:

Table 1.2 Summary of Posttest Scores for Grade 3 Students at SDN Near Lamongan Lamongan

No.	Respondents	Student scores Post-test
1.	Respondent 1	84
2.	Respondent 2	87
3.	Respondent 3	80
4.	Respondent 4	85
5.	Respondent 5	80
6.	Respondent 6	82
7.	Respondent 7	78
8.	Respondent 8	93
9.	Respondent 9	87
10.	Respondent 10	90
11.	Respondent 11	96
12.	Respondent 12	70
13.	Respondent 13	84
14.	Respondent 14	94
15.	Respondent 15	86
16.	Respondent 16	89
17.	Respondent 17	85
18.	Respondent 18	80
19.	Respondent 19	74
20.	Respondents 20	87
21.	Respondent 21	89
Average amount		84,7

Berdasarkan rekapitulasi hasil belajar pada Pembelajaran Tematik nilai rerata siswa pada saat tes akhir (*posttest*) dapat dilihat tabel 1.2 diperoleh jumlah nilai rata-rata hasil belajar siswa pada kegiatan tes akhir (*posttest*) yaitu 84,7 dari nilai maksimal sebesar 100, nilai tertinggi belajar siswa adalah 96, nilai terendah hasil belajar siswa yaitu 70, sedangkan nilai yang memenuhi KKM 75 berjumlah 19 siswa dan yang kurang memenuhi KKM berjumlah 2 siswa. Dari rekapitulasi nilai tersebut disimpulkan bahwa hasil belajar siswa pada pembelajaran Tematik kelas 3 SDN Deket Kulon Lamongan sebagian besar telah memenuhi kriteria ketuntasan minimum ($KKM \geq 75$).

3) Hypothesis Test Result Data

The researchers analyzed the learning outcomes obtained during the pretest and posttest using the paired sample t-test through SPSS 23 application. There are two hypotheses in this study :

- H₀: There is no significant effect of Scrapbook-based thematic media on the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan
- H_a: There is a significant effect of Scrapbook-based thematic media on the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan

In decision-making, when the value of sig < 0,05, the null hypothesis (H₀) is rejected. The obtained results of the paired sample t-test analysis with the assistance of SPSS 23 application are as follows:

**Table 1.3 Statistical Results of Assessment_T-Test
Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Before	67.8095	21	11.16969	2.43743
	After	84.7619	21	6.38674	1.39370

Paired Samples Correlations				
		N	Correlation	Sig.
Pair 1	Before & After	21	.711	.000

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	Before – After	-16.95238	8.00298	1.74639	-20.59529	-13.30947	-9.707	20	.000

The results of the statistical analysis using the paired sample t-test with the assistance of SPSS 23, as shown in Table 1.3, indicate that the sig value obtained is **0,000**. $< 0,05$. Therefore, the null hypothesis (H_0) is rejected, and the alternative hypothesis (H_a) is accepted. It can be concluded that there is a significant effect of the Scrapbook-based thematic media on the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan.

Based on the presentation of the mean score analysis in the pre-test (Table 1.1) and post-test (Table 1.2) after using the Scrapbook-based thematic media, as well as the paired sample t-test analysis with the assistance of SPSS 23 (Table 1.3), it can be inferred that the Scrapbook-based thematic media has influenced the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan, resulting in an improvement in their learning achievements.

DISCUSSION

The research conducted was motivated by the issues observed in Thematic Learning at SDN Deket Kulon, where the lack of utilization of thematic learning media by teachers resulted in students' decreased interest and suboptimal learning outcomes. Consequently, the researcher proposed an alternative solution to address these problems by using innovative learning media, including the *Scrapbook* media in thematic learning.

Scrapbook media involves creating decorative elements on paper with creative designs (Sari, L.P., 2017). It is a handmade learning medium made from paper that effectively provides an engaging and tangible experience for students (Pratiwi, M., 2017).

The study aimed to examine the effectiveness of the Scrapbook media on learning outcomes in the 3rd-grade Thematic Learning at SDN Deket Kulon. The results of the statistical analysis using the paired sample t-test with SPSS 23 (Table 1.3) revealed that the sig value was $0.000 < 0.05$. Hence, the null hypothesis (H_0) was rejected, and the alternative hypothesis (H_a) was accepted, indicating that the Scrapbook-based thematic media significantly influenced the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan. Additionally, the mean score analysis showed an increase of 16.9 points from the pre-test (67.8) to the post-test (84.7), which demonstrates that the Scrapbook media had a positive impact and contributed to the improvement in the students' learning outcomes.

These research findings align with previous studies on the use of Scrapbook media in learning, which also found that it is effective in enhancing students' comprehension (Purwatiningsih, Lestari, and Budiarti, 2020) and learning outcomes (I.P. Sari, Yuliantini, and Tarmizi, 2020). Another study further supported that the use of Scrapbook media influenced the Thematic Learning outcomes of elementary school students (Carolus Borromeus Mulyatno, 2022).

Based on the above explanations, it can be concluded that using Scrapbook media significantly impacts students' learning outcomes. The Scrapbook media is an external

factor that contributes to effective, efficient, and student-tailored learning outcomes. The appropriate use of learning media can lead to improved learning outcomes, making the use of Scrapbook media a beneficial approach in Thematic Learning.

CONCLUSION

The research concludes that the Scrapbook-based thematic learning media can be effectively utilized at SDN Deket Kulon Lamongan Lamongan, but its application is limited to Thematic Learning Theme 5 Subtheme 1. Furthermore, the Scrapbook-based thematic learning media significantly influences the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan, as indicated by the paired sample t-test result with a sig value of $0.000 < 0.05$. Therefore, the alternative hypothesis (H_a) is accepted, signifying that the use of Scrapbook-based thematic learning media affects the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan. This conclusion is further supported by the mean scores obtained during the pre-test (67.8) and post-test (84.7) after using the Scrapbook-based thematic learning media, showing an increase of 16.9 points. Thus, it can be inferred that the Scrapbook-based thematic learning media has a positive impact on the learning outcomes of 3rd-grade students at SDN Deket Kulon Lamongan, leading to improvement in their academic achievements.

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