

The Influence of Kazoku Cartoon Puppet Media on Understanding of Family Functioning for Moderate Mentally Disabled Students Class 1 in SLB Negeri 2 Yogyakarta

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ABSTRACT

In this case, the family plays a role in shaping children's attitudes and character patterns and determining the education received by a child; not only schools, but all factors can be a source of education. The understanding of the role of the family experienced by students results in dependence; the research was conducted at SLB Negeri 2 Yogyakarta in May 2024 of the 2023–2024 school year. This study used a quantitative approach with a research design using the pre-experimental method in the form of a one-group pretest-posttest. This study's sampling technique used the class 1 SDLB Negeri 2 Yogyakarta population. This study used non-parametric statistical methods, was analyzed descriptively, and used hypothesis testing using the Wilcoxon test at a significant level of $\alpha = 0.05$. If the hypothesis test in this study found the asymptote sig value. (2-tailed) is 0.043, which is smaller ($<$) than the significant level of 0.05, then h_1 is accepted. It can be concluded that there is a difference between the results, so it can be concluded that there is an effect of Kazoku cartoon media on understanding family functioning in students with mental retardation in grade 1 SDLB Negeri 2 Yogyakarta.

Keywords: Mentally Retarded, Family Functioning, Kazoku Cartoon Puppet

INTRODUCTION

Mentally disabled people have a mental or behavioral disorder due to impaired intelligence. A person is said to be mentally disabled if the child has an intelligence level below the average, so they have difficulty adjusting to their environment. They also need help to think about academic matters (Widiastuti, N. L. G. K., & Winaya, I. M. A. 2019). The role of the family is also very much needed in guiding and caring for the mentally disabled. The family plays a role in shaping children's attitudes and character patterns and determining the education received by a child; not only schools but all factors can be a source of education. The home environment can also be a source of children's knowledge that affects success (Fajriati, Dkk, 2022: 123). In conclusion, the family environment is an environment that influences the behavior and life goals of students. The role of the family can be learned during the school period, using learning media that can support and be adequate so that children understand the material provided.

Family function measures how a family operates as a unit and how family members interact. Each family member has a different role; if all family members carry out their roles well, a harmonious and happy family will be realized (Taufik, S. A. L., 2023). One of the

media that can be used is puppet media. Although puppets look like traditional toys, they can be one of the media that can support children's learning.

Learning media can be defined as a physical or non-physical tool deliberately used as an intermediary between educators and students in understanding learning materials to make them more effective and efficient. This will allow learning material to be more quickly accepted by students and attract students' interest in learning further (Hamka, D., & Effendi, N. 2019). The application of cartoon puppet media as a learning medium is possible and is also expected to attract children's interest and enthusiasm in participating in teaching and learning activities (Panggabean, M., Guslinda, & Kurniaman, O.2022)

According to Ayuswantana & Irfansyah (2020), Wayang is a story about life habits and human behavior from birth to death. Cartoon puppets are shadows of characters in the form of paintings or caricatures to describe a person or idea. Cartoon puppet media can be used to solve learning problems in elementary schools because the cost of making it is affordable. In addition, the selection of puppet media is based on its simple manufacture so that it is easily adapted to its use at the elementary level. The application of cartoon puppet media as a learning medium is possible and is also expected to attract children's interest and enthusiasm in teaching and learning activities (Fadilah et al., 2022: 198).

Lack of understanding of family functioning results in students not realizing whose position they are at home, such as doing housework, caring, protecting, carrying out obligations, and fulfilling expectations. Students with moderate deafness are still children at home; even though they cannot carry out their full role, they are expected to carry out roles supporting independence and family harmony. Family functioning is how the family can carry out its functions effectively or ineffectively (Suradika, 2019).

The family is the first place that becomes a protector; the family becomes a fortress that will guide and protect the child, especially the mentally disabled. Family is the first place where every individual learns about something. The family is also the place where everyone returns when they encounter difficulties. Therefore, the nuclear family and extended family should be introduced by adults to their children from childhood. According to the Ministry of Health of the Republic of Indonesia in 2000, a family is the smallest unit of society, consisting of a family head and several people who live in one place under one roof in a state of interdependence (Nurlathifah & Damri, 2019: 84). Therefore, it is necessary to understand the role of the family for people with disabilities.

METHOD

This study uses a quantitative approach, which involves using data in the form of numbers, with results that will be calculated by statistical analysis. This research design uses experimental research methods. The selection of this method is based on the research objective of knowing precisely the effect of kazoku cartoon puppet media on understanding the family functioning of moderate mentally disabled students in grade 1 SDLB who are used as research samples.

The experimental method is a research method that is carried out by experiment. This experimental method is used to determine the effect of certain independent variables (treatment) on the dependent variable (result) (Sugiyono, 2018). The experimental research design used in this study is a Pre-Experiment with the form of one group pretest-posttest. This design is used because it wants to provide treatment or treatment of the same group and is measured twice; in the initial stage, before giving treatment, treatment will first be

given a pre-test (initial test), then after treatment (treatment) is carried out, a post-test (final test) will be given to obtain more accurate treatment results by comparing the situation before treatment (treatment) with the situation after treatment (treatment) with the situation after treatment (treatment).

The population in this study were first-grade students of SDLB Negeri 2 Yogyakarta. The population used amounted to 5 children. Sampling in this study was carried out by nonprobability sampling, which means sampling techniques that do not provide equal opportunities or opportunities for each element or member of the population to be selected as samples (Sugiyono, 2023).

The sampling technique used in this study is a total sample technique. This total sample technique takes all people to be used as samples. This saturated sample technique is often used because the population is relatively small, namely less than 30 people or researchers want to make generalizations with minimal errors. The samples taken in this study were first-grade students of SDLB Negeri 2 Yogyakarta.

This study has one independent variable, namely kazoku cartoon puppet media. In this study, one dependent variable is understanding family functioning. Data collection techniques using tests in the form of pre-test and post-test post-tests.

RESULT

The pre-test measured children's initial understanding ability before treatment using Kazoku cartoon puppet media. Pre-test data is obtained from children's scores when answering questions about understanding family functioning in students with moderate mentally disabled.

Table 1. Pre-test

No.	Sample	Gender	Number of correct questions	Number of incorrect questions	Score
1	MS	Female	23	7	76
2	KF	Male	16	14	53
3	CS	Male	15	15	50
4	FZ	Male	15	15	50
5	KN	Female	18	12	60

Pre-test data is obtained from children's scores on understanding family functioning in students with moderate mentally disabled. The post-test measures the child's final ability after treatment using Kazoku cartoon puppet media. Post-test data is obtained from children's scores when working on questions related to understanding family functioning.

Table 2. Post-test

No.	Sample	Gender	Number of correct questions	Number of incorrect questions	Score
1	MS	Female	30	0	100
2	KF	Male	26	4	86
3	CS	Male	19	11	93
4	FZ	Male	29	1	100
5	KN	Female	30	0	100

Based on the results of Table 2, it can be concluded that the pre-test data with five samples obtained an average value of 57, a minimum value of 50, a maximum value of 76, and a standard deviation of 10.964. In the post-test value, the average value is 95, the minimum value is 86, the maximum value is 100, and the standard deviation is 6.261.

Table 3. Descriptive Statistics

Deskriptive Statistics					
	N	Min	Max	Mean	Std. Deviation
Pre-test	5	50	76	57,80	10.964
Post-test	5	86	100	95,80	6.261
Valid (N)	5				

Based on the results of descriptive analysis, the average student pre-test score is 57.80, and the average post-test score is 95.80. This increases the understanding of family functioning in moderately mentally disabled students in grade 1 SDLB Negeri Yogyakarta. Thus, using kazoku cartoon puppet media significantly influences the understanding of family functioning in moderately mentally disabled students in grade I SDLB Negeri 2 Yogyakarta.

The data normality test in this research uses the Shapiro-Wilk test with a range of sample data <50. The normality test was carried out on the pre-test and post-test data that the research sample had done. The basis for decision-making is a significant value of <0.05; then the data is not standard; if the significance value is > 0.05, then the data can be said to be expected, and the decision of whether the data is standard or not is the significance value of both the pre-test and post-test results must be above 0.05. Based on the decision-making above, the data in this study are normally distributed because the significance value is above 0.05.

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The linearity test determines the relationship between the dependent variables, whether linear or not. In this study, the linearity test was used to determine whether there was a linear relationship between the results. It can be concluded that the results of the linearity test using SPSS in the sig. Deviation from the linearity section has a value of 0.441. This shows a linear relationship between the pre-test and post-test results because of the sig. Deviation from the linearity value is greater than the significant level of 0.05.

Hypothesis testing in this study used the Wilcoxon test. This test is used to determine whether there is a difference in the average value in the sample group before and after treatment using Kazoku cartoon puppet media. In this test, the pre-test and post-test values are compared to whether there is an increase in value in the sample group. The basis for decision-making in the Wilcoxon test is: 1) If the Asymp.sig (2-tailed) value <0.05, then H_0 is rejected and H_1 is accepted. 2) If the Asymp.sig (2-tailed) value is >0.05, then H_0 is accepted and H_1 is rejected.

Table 4. Test Statistics

Test Statistic^a	
Z	Post-test_Pre-test
Asymp. Sig. (2-tailed)	-2.023 ^b .043

a. Wilcoxon Signed Ranks Test

b. Based on Negative Ranks

The test statistic table above shows that the Asymp.sig (2-tailed) value is 0.043 <0.05, so H_0 is rejected, and H_1 is accepted. Decision-making can also be determined through Zcount, which, based on the results of the table above Zcount, is -2.023. It is known that the Ztable value with an alpha of 5% or 0.05 is -1.645, which means that the Zcount value is $-2.023 > -1.645$ (Ztable), then H_0 is rejected, and H_1 is accepted. This shows that there is a difference in the ability to understand family functioning in students with moderate deafness from the results of the pre-test and post-test scores, so it can be concluded that there is an effect of using kazoku cartoon puppets on understanding family functioning in moderate mentally disabled students grade 1 SDLB Negeri 2 Yogyakarta.

CONCLUSION

Based on the results of the analysis, it can be concluded from this study that there is an effect of kazoku cartoon puppet media on understanding family functioning in moderately mentally disabled students in grade 1 SDLB Negeri 2 Yogyakarta marked by an increase in pre-test scores to post-test scores. This shows that previously, the child did not understand the role of the family; the child has understood the roles of each family member after being given treatment. Based on the description above, using kazoku cartoon puppet media can provide children with an understanding of the role of each family member, which makes children recognize themselves and not depend on them because they already understand the role of each family member. Understanding family functioning is very important, including the role of the family, because it makes children behave appropriately according to their role.

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