THE EFFECT OF EDUCATIONAL INTERVENTIONS USING STORYBOOK MEDIA ON KNOWLEDGE OF WASTE SEGREGATION AMONG CHILDREN AT SDN MERJOSARI 4, MALANG CITY

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ABSTRACT

Waste segregation is very important because not all types of waste decom pose within the same period; therefore, segregation needs to be carried out from the initial stage to facilitate further waste management. However, not everyone is able to implement waste segregation due to a lack of knowledge regarding proper waste sorting methods. To improve this knowledge, health education can be delivered through various media, one of which is storybook media. This study aimed to determine the effect of educational interventions using storybook media on knowledge of waste segregation. The research employed a pre-experimental one-group pretest–posttest design to assess changes in knowledge before and after the educational intervention. The study population consisted of all fourth- to sixth-grade students totaling 84 students, with 46 respondents selected as samples using proportional random sampling. The research instrument was a questionnaire that had been tested for validity and reliability. Data analysis using the Wilcoxon test with $\alpha = 0.05$ indicated an increase in knowledge before and after the intervention, with an average knowledge score increasing by 28.54 from 58.55 in the pre-test to 87.09 in the post-test. The analysis results showed a p-value of 0.00, which was less than 0.05. This increase in knowledge indicates that storybook media are effective in delivering waste segregation information because they combine storytelling and illustrations that are appropriate for the cognitive developmental characteristics of elementary school students. Therefore, this study rejected H_0 and concluded that educational interventions using storybook media have a significant effect on improving elementary school students' knowledge of waste segregation.

***Keywords: Education, Storybook, Knowledge, Waste Sorting*.**