THE EFFECT OF HANDSWASHING EDUCATION WITH SOAP ON KNOWLEDGE AND SKILLS IN PREVENTING DIARREHA DISEASE IN STUDENT AT MARGO BASUKI 1 ELEMENTARY SCHOOL, MALANG CITY

Ramadhani, Adhinda Aulya
Bachelor of Health Promotion Study Program, Poltekkes Kemenkes Malang,
Jl. Besar Ijen No 77, Oro-oro Dowo, Kec. Klojen, Kota Malang,
Jawa Timur 65119
Email : aulyaadhinda@gmail.com

ABSTRACT

Background: *Diarrheal disease remains a public health problem that risks causing mortality due to suboptimal behavioral changes in prevention.* ***Research Objective:*** *his study aimed to determine the effect of handwashing with soap (HWWS) education on students' knowledge and skills in preventing diarrheal disease at SD Margo Basuki 1, Malang City.* ***Research Method:*** *This study used a quantitative approach with a one-group pretest-posttest design conducted in November 2025. The sample consisted of 60 fourth- and fifth-grade students selected using a total sampling technique. Data were collected using a knowledge questionnaire and a skills observation sheet, then analyzed using the Wilcoxon signed-rank test.* ***Research Results:*** *The results showed an increase in mean knowledge scores from the poor category (67.78%) to good (100%) and skills from sufficient (57.22%) to good (92.22%) post-intervention. The Wilcoxon test yielded a p\text{-value} < 0.000 (p < 0.05) for both variables. In conclusion.* ***Conclusion:*** *HWWS education significantly improves students' knowledge and skills in preventing diarrheal disease.* ***Discussion:*** *Future research is recommended to develop educational media targeting students' attitudes.*

Keywords: *Education, Washing Hands with Soap, Knowledge, Skills, Diarreha Disease*