

## Implementation of the Demonstration Method on Students' Learning Outcomes in The Subject of Science Physics on Work and Energy at SMP Negeri 3 Pringgarata

This study aimed to: 1) Determine how the demonstration method affects student learning outcomes in Work and Energy topics for grade 8 students at SMP Negeri 3 Pringgarata, 2) Assess student learning outcomes after applying the demonstration method, and 3) Evaluate the effectiveness of the demonstration method in Science-Physics lessons. The research used a Pre-Experimental design with a purposive sampling technique, involving 17 students from class 8B. Data was collected through tests and student interviews. The results showed that: 1) Student scores significantly improved from an average of 61.05 on the pre-test to 80.64 on the post-test, 2) The demonstration method increased student engagement and comprehension, and 3) The method was highly effective, as indicated by a t-value analysis ( $-8.13 < -1.74$ ).

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