

**THE INFLUENCE OF SLOWMATION (STUDENT-CREATED SLOW
MOTION ANIMATION) ON STUDENTS' CREATIVITY AND
UNDERSTANDING OF HEAT TRANSFER**

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ABSTRACT

The blast in personal digital technologies occurs throughout the world including Indonesia offers rising up opportunities to create digital media including for education, the creativity and conceptual understanding must be involved along with it. Therefore, this research is aimed to investigate the influence of *Slowmation* (Student-created Slow Motion Animation) on students' creativity and understanding of heat transfer. The research used pre-experimental one group pretest-post-test design. The sample was taken by convenience sampling technique in experimental class (n=20) with the population of 8th grade students at independence secondary school in Bandung. Students' understanding result was obtained through objective test with the result of normalized gain of 0.30 ($0.70 > <g> \geq 0.30$) as medium improvement and the result of non-parametric *Wilcoxon* test with significant of 0.001 that means the significant difference before and after the implementation of *Slowmation* is exist. Meanwhile students' creativity gained through creativity process and product of *Slowmation* with 78.2 as above standard category. Therefore, the implementation of *Slowmation* (Student-created Slow Motion Animation) as learning strategy specifically on heat transfer topic influences students' creativity and understanding.

Key words: Heat transfer, *Slowmation* strategy, students' creativity, students' understanding.

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