

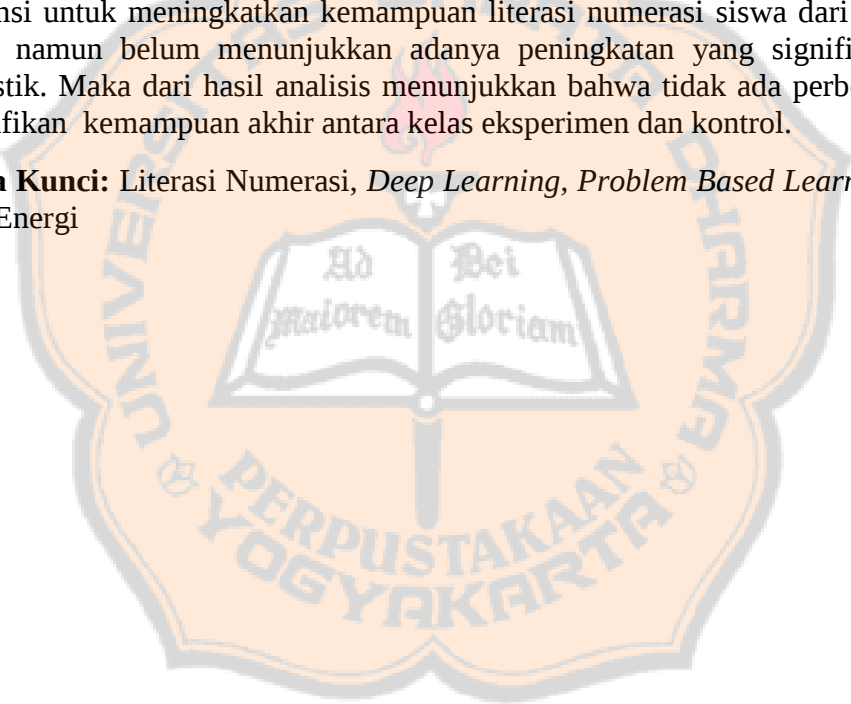
ABSTRAK

“DEEP LEARNING DAN PROBLEM BASED LEARNING DALAM MENINGKATKAN LITERASI NUMERASI SISWA SMA KELAS X”

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Penelitian ini bertujuan untuk meningkatkan literasi numerasi siswa pada kelas X SMA melalui pendekatan *deep learning* dan model *Problem Based Learning* dalam materi Usaha dan Energi. Penelitian ini menggunakan metode *Two-Group Pretest-Posttest*. Teknik pengumpulan data dilakukan dengan *test* berupa *Pretest-Posttest* sebagai data kuantitatif dan wawancara sebagai data kualitatif. Analisis data menggunakan uji beda Mann-Whitney. Hasil penelitian menunjukkan adanya potensi untuk meningkatkan kemampuan literasi numerasi siswa dari nilai *mean rank* namun belum menunjukkan adanya peningkatan yang signifikan secara statistik. Maka dari hasil analisis menunjukkan bahwa tidak ada perbedaan yang signifikan kemampuan akhir antara kelas eksperimen dan kontrol.

Kata Kunci: Literasi Numerasi, *Deep Learning*, *Problem Based Learning*, Usaha dan Energi



ABSTRACT

**“DEEP LEARNING AND PROBLEM BASED LEARNING IN ENHANCING
NUMERACY LITERACY OF 10TH GRADE
SENIOR HIGH SCHOOL STUDENTS”**

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This study aims to improve the numeracy literacy of Grade 10th senior high school students through the Deep Learning approach and the Problem Based Learning model in the topic of Work and Energy. This study employed a Two-Group Pretest-Posttest design. Data collection techniques were conducted using tests (Pretest-Posttest) as quantitative data and interviews as qualitative data. Data analysis was performed using the Mann-Whitney different test. The results indicate a potential for improving students' numeracy literacy skills as seen from the mean rank scores, yet it has not shown a statistically significant improvement. Therefore, the analysis results indicate that there is no significant difference in the final ability between the experimental and control classes.

Keywords: Numeracy Literacy, Deep Learning, Problem Based Learning, Work and Energy

