

## ABSTRAK

### **PENGEMBANGAN E-LKPD BERBASIS *PROJECT BASED LEARNING* UNTUK MENINGKATKAN KEMAMPUAN LITERASI MATEMATIS DAN *SELF CONFIDENCE* PESERTA DIDIK**

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Penelitian ini merupakan penelitian *Reasearch and Development*, yang bertujuan untuk menghasilkan E-LKPD berbasis *project based learning* yang terkategori valid, praktis dan efektif dalam meningkatkan kemampuan literasi matematis dan *self confidence* peserta didik. Pengembangan dalam penelitian ini menggunakan prosedur penelitian ADDIE. Uji coba efektifivitas produk dilaksanakan di kelas VIII MTs Nurul Islam Airbakoman tahun ajaran 2023/2024 pada materi statistika. Teknik pengumpulan data yang digunakan yaitu wawancara pada penelitian pendahuluan, tes dan angket. Teknik analisis data yang digunakan yaitu uji validitas, uji kepraktisan dan uji keefektifkan menggunakan uji *independent sampel t-test*. Hasil pengembangan E-LKPD berbasis *Project based learning* terkategori valid dan praktis. Hal ini dapat dilihat dari skor validasi materi yaitu 92% dan perolehan rata-rata skor media 90%, dengan terkategori valid. Rata-rata skor respon peserta didik yaitu 90,83% dan guru 91%, sehingga produk dinyatakan praktis. Selanjutnya berdasarkan hasil uji *independent sampel t-test* diperoleh bahwa kemampuan literasi matematis dan *self confidence* peserta didik yang mengikuti pembelajaran menggunakan E-LKPD berbasis PjBL lebih tinggi daripada kemampuan literasi matematis dan *self confidence* peserta didik yang hanya menggunakan model pembelajaran PjBL. Maka hasil penelitian menunjukkan E-LKPD berbasis PjBL memenuhi kriteria valid, praktis dan efektif untuk meningkatkan kemampuan literasi matematis dan *self confidence* peserta didik.

Kata Kunci : Literasi Matematis, *Self Confidence*, *Project Based Learning*

## **ABSTRACT**

### **DEVELOPMENT OF E-LKPD BASED ON PROJECT BASED LEARNING TO IMPROVE STUDENTS' MATHEMATICAL LITERACY ABILITIES AND SELF CONFIDENCE**

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This research is research and development research, which aims to produce E-LKPD based on project based learning which is categorized as valid, practical and effective in increasing students' mathematical literacy skills and self-confidence. Development in this research uses the ADDIE research procedure. Product effectiveness trials were carried out in class VIII MTs Nurul Islam Airbakoman for the 2023/2024 academic year on statistics material. The data collection techniques used were interviews in preliminary research, tests and questionnaires. The data analysis techniques used are validity testing, practicality testing and effectiveness testing using the independent sample t-test. The results of developing E-LKPD based on Project based learning are categorized as valid and practical. This can be seen from the material validation score of 92% and the average media score of 90%, categorized as valid. The average student response score was 90.83% and the teacher's 91%, so the product was declared practical. Furthermore, based on the results of the independent sample t-test, it was found that the mathematical literacy abilities and self-confidence of students who took part in learning using PjBL-based E-LKPD were higher than the mathematical literacy abilities and self-confidence of students who only used the PjBL learning model. So the research results show that the PjBL-based E-LKPD meets the criteria of being valid, practical and effective for improving students' mathematical literacy skills and self-confidence.

Keywords: Mathematical Literacy, Self Confidence, Project Based Learning (PjBL)