

## ABSTRAK

### **PENGEMBANGAN ELEKTRONIK LEMBAR KERJA PESERTA DIDIK (E-LKPD) BERBASIS *REALISTIC MATHEMATICS EDUCATION* BERBANTUAN *FLIPHTML5* DI SMA AL-WASHLIYAH 1 MEDAN**

Oleh:

Zaid Rahman

NPM: 71190514001

Email: [zaidrahman.2222@gmail.com](mailto:zaidrahman.2222@gmail.com)

Penelitian ini membahas tentang pengembangan Elektronik Lembar Kerja Peserta Didik (E-LKPD) berbasis *Realistic Mathematics Education* berbantuan *Fliphtml5* di SMA Al-Washliyah 1 Medan. Penelitian pengembangan ini bertujuan untuk mengetahui proses pengembangan Elektronik Lembar Kerja Peserta Didik (E-LKPD) berbasis RME berbantuan *Fliphtml5* dan mengetahui kevalidan, kepraktisan dan keefektifan. Penelitian ini menggunakan model pengembangan ADDIE yang terdiri dari 5 tahapan yaitu: *analysis, design, development, implementation, dan evalution*. Hasil dari penelitian pengembangan Elektronik Lembar Kerja Peserta Didik (E-LKPD) berbasis *Realistic Mathematics Education* berbantuan *fliphtml5* di SMA Al-Washliyah 1 Medan memenuhi kriteria valid berdasarkan hasil dari penilaian 2 validator materi dengan nilai 97.14% dan penilaian 2 validator media dengan nilai 87.14% dengan cara mengisi angket dan berada pada kategori sangat valid, praktis diperoleh melalui angket respon peserta didik dengan jumlah 25 peserta didik dengan skor rata-rata 88.58% dan berada pada kategori sangat praktis, dan efektif diperoleh melalui post test pada mata pelajaran matematika materi matriks yang dengan sampel berjumlah 25 peserta didik kelas XI IPA di SMA Al-Washliyah 1 Medan dan memperoleh hasil dengan skor rata-rata 83.60 berada pada kategori sangat efektif.

**Kata Kunci:** E-LKPD, *Realistic Mathemtics Education*, ADDIE

## ABSTRACT

DEVELOPMENT OF ELECTRONIC STUDENT WORKSHEETS (E-LKPD)  
BASED ON *REALISTIC MATHEMATICS EDUCATION* HELPED *FLIPHTML5*  
AT AL-WASHLIYAH 1 SENIOR HIGH SCHOOL MEDAN

By

Zaid Rahman  
NPM: 71190514001

Email: [zaidrahman.2222@gmail.com](mailto:zaidrahman.2222@gmail.com)

This study discusses the development of Electronic Student Worksheets (E-LKPD) based on Realistic Mathematics Education assisted by Fliphtml5 at SMA Al-Washliyah 1 Medan. This development research aims to determine the process of developing Electronic Student Worksheets (E-LKPD) based on RME assisted by Fliphtml5 and to determine its validity, practicality and effectiveness. This study uses the ADDIE development model which consists of 5 stages, namely: analysis, design, development, implementation, and evaluation. The results of the research on the development of Electronic Student Worksheets (E-LKPD) based on Realistic Mathematics Education assisted by fliphtml5 at SMA Al-Washliyah 1 Medan meet the valid criteria based on the results of the assessment of 2 material validators with a value of 97.14% and the assessment of 2 media validators with a value of 87.14% by filling out the questionnaire and being in the very valid category, practical obtained through student response questionnaires with a total of 25 students with an average score of 88.58% and being in the very practical category, and effective obtained through a post-test on the subject of mathematics matrix material with a sample of 25 students of class XI IPA at SMA Al-Washliyah 1 Medan and obtained results with an average score of 83.60 in the very effective category.

**Keywords:** E-LKPD, *Realistic Mathemtics Education*, ADDIE