

ABSTRAK

Vinita M L Gaol , NIM. 4163311068 (2016). Pengembangan LKPD Berbasis Liveworksheet Untuk Meningkatkan Kemampuan Pemecahan Masalah Siswa Kelas VIII – I SMP Markus medan .

Tujuan penelitian ini untuk mengevaluasi efektivitas dan validasi penggunaan lembar kerja peserta didik berbasis Liveworksheet dalam meningkatkan kemampuan pemecahan masalah. Dan mengoptimalkan kemampuan pemecahan masalah melalui penggunaan lembar kerja peserta didik berbasis Liveworksheet. Adapun metode yang digunakan dalam pengembangan ini adalah ADDIE yang memiliki 5 tahap,yaitu : *analysis, design, development, implementation dan evaluation*. Subjek penelitian ini adalah siswa kelas VIII - I SMP Swasta Markus Medan. Hasil penelitian menunjukkan bahwa : (1) Ditinjau dari aspek kevalidan, LKPD berbasis Liveworksheet yang dinilai oleh validator media dan materi,yaitu 3,52 dan 3,78 dimana nilai kedua kriteria tersebut termaksud kedalam kriteria sangat layak digunakan. Sementara jika ditinjau dari kriteria kepraktisan LKPD berbasis Liveworksheet memiliki kriteria berdasarkan hasil angket respon siswa dan guru sebesar 75,63% dan 85,28%. (2) Hasil belajar pada kemampuan pemecahan masalah matematis siswa yang menggunakan LKPD Liveworksheet memperoleh kenaikan rata-rata sebesar 40,88 dimana rata-rata kemampuan pemecahan masalah siswa pada saat pretest adalah 48,44 meningkat menjadi 89,32 pada tes kemampuan akhir (posttest). Pada rata-rata nilai posttest dan hasil analisis N-Gain memaparkan bahwa keterampilan pemecahan masalah matematis siswa mengalami kenaikan sebesar 0,82 dengan kategori tinggi.

Kata Kunci: Lembar kerja peserta didik, *Liveworksheet*, kemampuan pemecahan masalah



ABSTRACT

Vinita M L Gaol, NIM. 4163311068 (2016). Development of Liveworksheet-Based LKPD to Improve the Problem Solving Ability of Class VIII -I Students of SMP Markus Medan.

The aim of this research is to evaluate the effectiveness and validation of the use of Liveworksheet-based student worksheets in improving problem-solving abilities. As well as optimizing problem solving abilities through the use of live worksheet-based student worksheets. The method used in this development is ADDIE which has 5 stages, namely: analysis, design, development, implementation and evaluation. The subjects of this research were students in class VIII – I of Markus Medan Private Middle School. The research results show that: (1) Viewed from the validity aspect, the live LKS-based LKPD was assessed by media and material validators as 3,52 and 3,78, where the scores for these two criteria were included in the criteria as very suitable for use. Meanwhile, if we look at the practicality criteria for Liveworksheet-based LKPD, the criteria are based on the results of student and teacher response questionnaires of 75,63% and 85,28%. (2) The learning outcomes of students' mathematical problem solving abilities who used the LKPD live worksheet obtained an average increase of 40,88 where the average problem solving ability of students during the pretest was 48.44, increasing to 89,32 in the final ability test (posttest).). The average posttest score and the results of the N-Gain analysis show that students' mathematical problem solving abilities have increased by 0,82 in the high category.

Keywords: Student worksheet, *Liveworksheet*, problem solving ability.

