Pengembangan Lembar Kerja Peserta Didik Elektronik (E-LKPD) Pembelajaran Matematika Berbasis *Problem Based Learning* (PBL) Untuk Kelas V Sekolah Dasar

(2022)

Sa'diyah Nur Salamah

ABSTRAK

Penelitian dan pengembangan ini bertujuan untuk mengembangkan produk berupa Lembar Kerja Peserta Didik Elektronik (E-LKPD) pembelajaran matematika berbasis *problem based learning* dan mengetahui validasi E-LKPD pembelajaran matematika berbasis *problem based learning* untuk kelas V Sekolah Dasar. Sempel dalam penelitian ini adalah peserta didik kelas V di SDN Bendungan Hilir 05 Pagi. Model pengembangan yang digunakan dalam penelitian ini adalah model Borg *and* Gall yang dibatasi dengan tujuh tahapan. Teknik pengumpulan data dilakukan dengan wawancara dan kuesioner. Data dianalisis menggunakan model analisis Miles dan Huberman. Hasil uji coba pengembangan E-LKPD pembelajaran matematika berbasis *problem based learning* dengan ahli materi, ahli bahasa, dan ahli desain pembelajaran diperoleh nilai rata-rata sebesar 84,77% dengan kriteria "sangat layak". Hasil uji coba *one to one* mendapatkan nilai rata-rata 90%, uji coba *small group* mendapatkan nilai rata-rata 89,38%, dan uji coba *field test* mendapatkan nilai rata-rata 89,33%. Merujuk pada hasil analisis data model Miles dan Huberman, LKPD Elektronik pembelajaran matematika berbasis *problem based learning* sangat layak digunakan untuk pembelajaran matematika di kelas V Sekolah Dasar

Kata Kunci : LKPD Elektronik, E-LKPD, Pembelajaran Matematika SD, *Problem Based Learning*, Borg and Gall.

Development of Problem-Based Electronic Student Worksheets in Mathematics Learning for V Grade Elementary School

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Sa'diyah Nur Salamah

ABSTRACT

This research and development aims to develop a product in the form of problem-based electronic student worksheets in mathematics learning and to find out the validation of a problem-based electronic student worksheets in mathematics learning for V grade elementary school. The sample of this study were fifth grade students at SDN Bendungan Hilir 05 Pagi. The development model used in this study is the Borg and Gall model which is limited to seven steps. Data collection techniques were carried out by interviews and questionnaires. The data were analyzed using the Miles and Huberman analysis model. The results of the trial of developing E-LKPD for problem based learning mathematics with material experts, linguists, and learning design experts obtained an average score of 84.77% with the criteria "very feasible". The results of the one-to-one trial got an average score of 90%, the small group trial got an average score of 89.38%, and the field test got an average score of 89.33%. Referring to the results of data analysis of the Miles and Huberman model, the Electronic LKPD for problem-based learning mathematics is very suitable for used in learning mathematics for V grade elementary school.

Keywords: *Electronic Student Worksheets, Mathematics Learning in Elementary School, Problem Based Learning, Borg and Gall.*