

Halimatus Sakbaniyah. 2022. *Pengembangan E-modul Berbasis Problem Based Learning untuk Melatih Keterampilan Berpikir Kritis Materi Pengukuran Sudut*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan. Universitas Trunojoyo Madura. Rika Wulandari.

ABSTRAK

Penelitian dan pengembangan ini dilatar belakangi oleh kemampuan berpikir kritis siswa yang masih kurang akibat model pembelajaran yang diterapkan kurang mengajak siswa untuk melatih berpikir kritis dan bahan ajar yang kurang memenuhi kebutuhan siswa. Tujuan penelitian dan pengembangan ini adalah untuk mengembangkan *e-modul* matematika kelas IV SD berbasis Problem Based Learning pada materi pengukuran sudut yang valid, praktis, dan efektif. Penelitian pengembangan ini menggunakan model ADDIE. Model ini memiliki 5 tahapan yaitu analisis (*analyze*), perancangan (*design*), pengembangan (*development*), implementasi (*implementation*), dan evaluasi (*evaluation*). Subjek penelitian ini adalah siswa kelas IV SDN Burneh 1. Berdasarkan hasil penelitian, perolehan penilaian validitas oleh: (1) ahli bahan ajar sebesar 3,62 (sangat baik), (2) ahli materi sebesar 3,5 (sangat baik), (3) ahli bahasa sebesar 3,1 (baik), dan (4) ahli desai pembelajaran sebesar 3,75 (sangat baik). Sedangkan untuk kepraktisan *e-modul* berdasarkan hasil angket respon siswa dan observasi keterlaksanaan pembelajaran mencapai 3,83 (sangat baik) dan 3,6 (sangat baik). Keefektifan *e-modul* dilihat dari ketuntasan klasikal tes siswa diperoleh sebesar 95,65%. Hasil tersebut menunjukkan bahwa *e-modul* yang dikembangkan valid, praktis, dan efektif digunakan dalam pembelajaran.

Kata kunci: Berpikir kritis, *E-modul*, Pengembangan, Pengukuran sudut, *Problem based learning*.

Halimatus Sakbaniyah. 2022. *The Development of E-modul Based Problem Based Learning to Practice Critical Thinking Skill in Angle Measurement*. Thesis. Primary School Teacher Education Department, Faculty of Education. Trunojoyo Madura University. Rika Wulandari.

ABSTRACT

This research and development based on the student's critical thinking skills which are not good because of the learning model applied does not stimulate students to practice critical thinking and the teaching materials that do not conform with the students needs. The purpose of this research and development is to develop an mathematic e-modul for the 4th grade Primary School based on Problem-Based Learning in Angle Measurement materials that valid, practical, and effective. This research and development uses the ADDIE model. This model has 5 stages, there are analyze, design, development, implementation, and evaluation. The subject of this research is the students of the 4th grade of SD Negeri Burneh 1. Based on the result of the research, assessment of validity by: (1) teaching materials expert got 3.62 (very good), (2) material expert got 3.5 (very good), (3) linguist expert got 3.1 (good), and (4) learning design expert got 3.75 (very good). While the practicality of the e-modul, based on the result of student response questionnaires and observations of the implementation of learning, it reached 3.83 (very good) and 3.6 (very good). The effectiveness of the e-modul taken from the classical completeness of the student's test that reached 95.65%. These results indicate that the developed e-modul is valid, practical, and effectively used in learning.

Keywords: *Angle measurement, Critical thinking, E-modul, Development, Problem based learning.*