

ABSTRAK

Arit Sonoto, 2022. Pengembangan Bahan Ajar Tematik Terpadu Berbasis *Problem Based learning* untuk Meningkatkan kemampuan berpikir Kritis Siswa SD Kelas V pada Tema Panas dan Perpindahannya. Pembimbing Dr. Hj. Mardia Hi. Rahman, S.Pd., M.Pd dan Astuti Salim, S.Pd., M.Pd.Si.

Penelitian pengembangan ini bertujuan : (1) menghasilkan bahan ajar tematik terpadu berbasis problem based learning untuk meningkatkan kemampuan berpikir kritis siswa SD kelas V pada konsep panas dan perpindahannya, (2) mengetahui kelayakan bahan ajar tematik terpadu berbasis problem based learning untuk meningkatkan kemampuan berpikir kritis siswa SD kelas V pada konsep panas dan perpindahannya, dan (3) Untuk meningkatkan kemampuan berpikir kritis siswa SD kelas V pada konsep panas dan perpindahannya. Penelitian pengembangan ini mengacu pada 10 langkah desain pengembangan Borg & Gall yang disederhanakan menjadi 5 langkah penelitian yaitu: (a) tahap pengumpulan data, (b) tahap perencanaan, (c) tahap pengembangan produk, (d) tahap uji coba, (e) revisi. Uji coba produk terdiri atas validasi oleh ahli materi, ahli media, ahli tata bahasa, guru IPA, dan 10 orang siswa SD Negeri GMIH Tedeng kelas V. Pengumpulan data menggunakan pedoman wawancara, lembar validasi ahli, dan lembar respon siswa. Penelitian ini menghasilkan produk berupa bahan ajar tematik terpadu berbasis problem based learning yang berbentuk buku cetak dan layak digunakan dengan kriteria kelayakan meliputi kelayakan isi dan kelayakan penyajian sebesar 93% kategori sangat layak, kelayakan kegrafikan sebesar 89% kategori sangat layak, kategori kebahasaan sebesar 89% kategori sangat layak. Peneliti ini menghasilkan Nilai rata-rata untuk pretest adalah 35,99 dan posttest 54,00, sedangkan untuk nilai standar deviasi pretest sebesar 6,445 dan nilai varians sebesar 41,541. Hasil analisis tersebut menunjukkan bahwa terjadi peningkatan nilai kemampuan berpikir kritis siswa dengan melihat selisih nilai antara nilai maksimum pada saat pretest dengan nilai maksimum pada saat posttest yaitu terjadi peningkatan sebesar 20.

Kata Kunci: bahan ajar, berpikir kritis.

ABSTRACT

Arit Sonoto, 2022. Development of Integrated Thematic Teaching Materials Based on Problem Based Learning to Improve Critical Thinking Skills for Fifth Grade Elementary School Students on the Theme of Heat and Its Transference. Advisor Dr. Hj. Mardia Hi. Rahman, S.Pd. M.Pd & Astuti Salim, S.Pd. M.Pd.Si.

This development research aims to (1) produce integrated thematic teaching materials based on problem-based learning to improve the critical thinking skills of fifth grade elementary school students in grade V on the concept of heat and its transference, (2) determine the feasibility of integrated thematic teaching materials based on problem-based learning to improve critical thinking skills of the fifth grade elementary school students in grade V on the concept of heat and its transfer, and (3) to improve the critical thinking skills of elementary school students in class V on the concept of heat and its displacement. This development research refers to the 10 steps of Borg & Gall's development design which is simplified into 5 research steps, namely: (a) data collection stage, (b) planning stage, (c) product development stage, (d) test ui stage, (e) revision. The product trial consisted of validation by material experts, all media alili grammar, science teachers, and 10 students of SD Negeri GMIH Tedeng class V Data collection using interview guidelines, worksheets expert validation, and student response sheets. This research produces a product in the form of integrated thematic teaching materials based on problem based learning in the form of a printed book and is suitable for use with eligibility criteria including content feasibility and presentation feasibility of 93% very feasible category. The feasibility of graphic is 89% very feasible category, linguistic category is 89% very feasible category. Thi research resulte in the average value for the pretest was 35,99 and the posttes was 54.00, hile the standard deviation value for the pretest was 6.445 and the variance value was 41.541. the results of the analysis show that there is an increace in the value of students' critical thinking skills by looking at the difference in the value between the maximum value at the pretest and the maximum value at the posttest, which is an increase of 20.

Keywords: *teaching materials & critical thinking.*