ABSTRACT

Yessica Isabella Purba, IDN 4203111046. (2024). The Development of Student Digital Worksheets Based on Logan Avenue Problem Solving (LAPS) Heuristic To Improve Critical Thinking Skills.

This research aims to: (1) produce an student digital worksheets product with a valid, practical, and effective Logan Avenue Problem Solving (LAPS)-Heuristic learning model to (2) the process of solving answers made by students in solving problems in the Logan Avenue Problem Solving (LAPS)-Heuristic learning model. This type of research is R & D using the ADDIE development model. The results of the field trial show that the Student Digital Worksheet with the LAPS-Heuristic model can facilitate students' critical thinking skills. The validity obtained result on the material expert is 92% and based on the media expert is 85.4%. Also, the percentage of practicality is 92.9% and is included in the very practical category. Implementation of learning with the application of student digital worksheets The learning implementation with the application of these worksheets was carried out to see the effectiveness of this worksheet obtained results, namely classical learning completeness reached 86.67%, from the reference of the effectiveness assessment, the student digital worksheets developed was classified as effective. From the reference of the effectiveness assessment, the student digital worksheets developed were classified as effective. The increase in critical thinking skills was an increase in the medium category with an average gain score of 0.639. Based on the data obtained, it is concluded that the Logan Avenue Problem Solving (LAPS)-Heuristic learning model developed meets the qualifications of valid, practical, and effective.

Keywords: Development, Critical, Heuristics, Model, Worksheet.

ABSTRAK

Yessica Isabella Purba, NIM 4203111046. (2024). The Development of Student Digital Worksheets Based on Logan Avenue Problem Solving (LAPS) Heuristic To Improve Critical Thinking Skills.

Penelitian ini bertujuan untuk: (1) menghasilkan produk lembar kerja digital siswa dengan model pembelajaran Logan Avenue Problem Solving (LAPS)-Heuristik yang valid, praktis, dan efektif terhadap (2) proses penyelesaian jawaban yang dilakukan siswa dalam memecahkan masalah pada model pembelajaran Logan Avenue Problem Solving (LAPS)-Heuristik. Jenis penelitian ini adalah R & D dengan menggunakan model pengembangan ADDIE. Hasil uji coba lapangan menunjukkan bahwa Lembar Kerja Digital Siswa dengan model LAPS-Heuristik dapat memfasilitasi kemampuan berpikir kritis siswa. Hasil validitas yang diperoleh berdasarkan ahli materi sebesar 92% dan berdasarkan ahli media sebesar 85,4%. Selain itu, persentase kepraktisan sebesar 92,9% dan termasuk dalam kategori sangat praktis. Pelaksanaan pembelajaran dengan penerapan lembar kerja digital siswa Pelaksanaan pembelajaran dengan penerapan lembar kerja ini dilakukan untuk melihat keefektifan lembar kerja ini diperoleh hasil yaitu ketuntasan belajar secara klasikal mencapai 86,67%, dari acuan penilaian keefektifan tersebut maka lembar kerja digital siswa yang dikembangkan tergolong efektif. Dari acuan penilaian keefektifan tersebut, lembar kerja digital siswa yang dikembangkan tergolong efektif. Peningkatan keterampilan berpikir kritis mengalami peningkatan dengan kategori sedang dengan rata-rata gain score sebesar 0,639. Berdasarkan data yang diperoleh, disimpulkan bahwa model pembelajaran Logan Avenue Problem Solving (LAPS)-Heuristik yang dikembangkan memenuhi kualifikasi valid, praktis, dan efektif.

Kata kunci: Pengembangan, Kritis, Heuristik, Model, Lembar Kerja.