

ABSTRAK

Veronika Marbun, 4213141053 (2021). Pengembangan LKPD (Lembar Kerja Peserta Didik) Berbasis Case Method pada Materi Ekosistem Untuk Meningkatkan Keterampilan Berpikir Kritis Siswa di Kelas X SMA Negeri 1 Tigalingga

Rendahnya kemampuan berpikir kritis siswa karena pembelajaran yang belum optimal memusatkan siswa dalam proses pembelajaran. Penelitian ini dilakukan untuk menghasilkan LKPD berbasis *Case Method* yang valid, praktis, dan efektif, sehingga dapat meningkatkan keterampilan berpikir kritis siswa. Alat yang digunakan termasuk angket validasi dan respon siswa dan guru terhadap LKPD: lembar validasi untuk materi, pembelajaran dan desain; dan tes keterampilan berpikir kritis siswa. Setelah semua instrumen dan LKPD dikatakan valid, kemudian dilakukan uji coba lapangan. Hasil penelitian menyatakan bahwa LKPD *Case Method* yang dikembangkan sudah memenuhi kriteria layak yang didasarkan evaluasi validator ahli materi, pembelajaran, dan desain masing masing 62,9%, 94,7% serta 81,9% sebagai akibatnya masing-masing tergolong kategori layak dan sangat layak. LKPD *Case Method* yang dikembangkan telah memenuhi kriteria kepraktisan sinkron dengan hasil angket respon guru dan siswa terhadap LKPD memperoleh 93,05% dan 78,4% termasuk kedalam kategori sangat baik. LKPD *Case Method* yang dikembangkan telah memenuhi kriteria efektif dimana terjadi peningkatan rerata nilai keterampilan berpikir kritis siswa sebesar 21,51, teruji secara statistik bahwa terdapat perbedaan signifikan nilai keterampilan berpikir kritis siswa kelas kontrol dan eksperimen dengan uji Mann Whitney ($U=28.500$, $p=0,00$), dan sebanyak 10 siswa mengalami peningkatan keterampilan berpikir kritis dengan nilai gain $0,7 \leq g$ dengan kategori tinggi dan 25 siswa mengalami peningkatan keterampilan berpikir kritis dengan pada rentang $0,3 \leq g < 0,7$ dengan kategori sedang.

Kata Kunci: LKPD, *Case Method*, Keterampilan Berpikir Kritis, Ekosistem.

ABSTRACT

Veronika Marbun, 4213141053 (2021). Development of Case Method-Based Student Worksheets (LKPD) on Ecosystems to Improve Students' Critical Thinking Skills in Grade X of SMA Negeri 1 Tigalingga

The low critical thinking ability of students is due to learning that has not optimally focused students in the learning process. This study was conducted to produce a valid, practical, and effective Case Method-based Student Worksheet (LKPD), so that it can improve students' critical thinking skills. The tools used included validation questionnaires and student and teacher responses to the LKPD: validation sheets for material, learning, and design; and a test of students' critical thinking skills. After all instruments and LKPD were declared valid, a field trial was conducted. The results of the study stated that the developed Case Method LKPD had met the criteria for feasibility based on the evaluation of expert validators for material, learning, and design, respectively, 62.9%, 94.7%, and 81.9%, as a result, each was classified as feasibility and very feasibility. The developed Case Method LKPD had met the criteria for practicality in sync with the results of the teacher and student response questionnaires to the LKPD, obtaining 93.05% and 78.4%, included in the very good category. The developed Case Method LKPD has met the effective criteria where there is an increase in the average value of students' critical thinking skills by 21.51, statistically tested that there is a significant difference in the value of critical thinking skills of students in the control and experimental classes with the Mann Whitney test ($U = 28,500$, $p = 0.00$), and as many as 10 students experienced an increase in critical thinking skills with a gain value of $0.7 \leq g$ with a high category and 25 students experienced an increase in critical thinking skills in the range of $0.3 \leq g < 0.7$ with a medium category.

Keywords: LKPD, Case Method, Critical Thinking Skills, Ecosystem.