

Indana Zulfatul Ulya. 2026. *Pengembangan Buku Saku Socio Scientific Issue Kontekstual Wisata Alam Gosari Untuk Meningkatkan Kemampuan Berpikir Kritis*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Eva Ari Wahyuni, Ph.D.

ABSTRAK

Pembelajaran IPA memerlukan bahan ajar kontekstual yang dapat melatih kemampuan berpikir kritis melalui permasalahan nyata di lingkungan sekitar. Penelitian ini bertujuan untuk mengetahui kevalidan, respons siswa, keterbacaan siswa, dan peningkatan kemampuan berpikir kritis setelah menggunakan buku saku *Socio Scientific Issue* kontekstual Wisata Alam Gosari. Penelitian ini menggunakan metode *Research and Development* dengan model ADDIE yang meliputi tahap *analyze, design, development, implementation, and evaluation*. Desain penelitian yang digunakan adalah *One Group Pretest-Posttest*. Subjek penelitian terdiri atas 3 siswa kelas VIII B uji coba perorangan, 10 siswa kelas VIII B uji coba kelompok kecil, dan 25 siswa kelas VII B uji coba kelompok besar. Instrumen penelitian yang digunakan yaitu lembar validasi ahli materi dan media, tes kemampuan berpikir kritis, angket respons dan keterbacaan siswa. Hasil penelitian menunjukkan bahwa buku saku memperoleh validitas sangat baik dari ahli materi sebesar 97,92% dan ahli media sebesar 92,86%. Respons siswa memperoleh kategori sangat baik dengan rata-rata tertinggi 85,11%, sedangkan keterbacaan siswa memperoleh kategori sangat baik dengan rata-rata tertinggi 84,81%. Kemampuan berpikir kritis siswa meningkat dengan rata-rata *N-Gain* 0,51 kategori sedang. Kesimpulannya yaitu buku saku *Socio Scientific Issue* kontekstual Wisata Alam Gosari efektif meningkatkan kemampuan berpikir kritis siswa.

Kata kunci: Berpikir kritis, Buku saku, *Socio Scientific Issue*, Wisata Alam Gosari

Indana Zulfatul Ulya. 2026. *Development of a Contextual Socio-Scientific Issue Pocketbook on Gosari Nature Tourism to Improve Critical Thinking Skills*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University, Madura. Advisor: Eva Ari Wahyuni, Ph.D.

ABSTRACT

Science learning requires contextual teaching materials that can foster critical thinking skills through real-world problems in the surrounding environment. This study aimed to determine the validity, student responses, readability, and improvement in critical thinking skills after the use of a contextual Socio-Scientific Issues (SSI) pocketbook based on Gosari Nature Tourism. The study employed a Research and Development (R&D) method using the ADDIE model, which consists of the stages of analysis, design, development, implementation, and evaluation. The research design used was a One-Group Pretest–Posttest Design. The research subjects consisted of 3 students from Class VIII-B for the individual trial, 10 students from Class VIII-B for the small-group trial, and 25 students from Class VII-B for the large-group trial. The research instruments included material and media expert validation sheets, a critical thinking skills test, and student response and readability questionnaires. The results showed that the pocketbook achieved a very high level of validity, with scores of 97.92% from the material expert and 92.86% from the media expert. Student responses were categorized as very good, with the highest average score of 85.11%, while student readability was also categorized as very good, with the highest average score of 84.81%. Students' critical thinking skills improved, as indicated by an average N-Gain score of 0.51, which falls into the moderate category. In conclusion, the contextual Socio-Scientific Issues (SSI) pocketbook based on Gosari Nature Tourism was effective in improving students' critical thinking skills.

Keywords: *Critical Thinking, Pocketbook, Socio-Scientific Issue, Gosari Nature Tourism*