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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kevalidan produk, peningkatan kemampuan literasi sains siswa, keterbacaan *e-booklet*, dan respons siswa terhadap penggunaan *e-booklet* konten budidaya tembakau. Metode penelitian yang digunakan adalah *Research and Development (R&D)* dengan model pengembangan *ADDIE*. Penelitian dilaksanakan pada semester genap tahun ajaran 2025/2026 di SMP Negeri 1 Kwanyar Bangkalan. Subjek penelitian terdiri atas uji coba perorangan sebanyak 3 siswa kelas X-B, uji coba kelompok kecil sebanyak 8 siswa kelas X-B, dan uji coba kelompok besar sebanyak 21 siswa kelas VIII-C. Instrumen penelitian meliputi lembar validasi ahli media dan ahli materi, tes literasi sains, angket keterbacaan, serta angket respons siswa. Hasil penelitian menunjukkan bahwa: (1) *e-booklet* konten budidaya tembakau memperoleh persentase validitas dari ahli media sebesar 73,33% dengan kriteria valid dan ahli materi sebesar 90,63% dengan kriteria sangat valid; (2) kemampuan literasi sains siswa mengalami peningkatan dengan nilai *N-Gain* sebesar 0,45 yang termasuk kategori sedang; (3) keterbacaan *e-booklet* memperoleh persentase rata-rata sebesar 70,50% dengan kriteria baik; dan (4) respons siswa terhadap penggunaan *e-booklet* memperoleh persentase rata-rata sebesar 70,05% dengan kriteria valid. Berdasarkan hasil tersebut, *e-booklet* konten budidaya tembakau dinyatakan layak digunakan sebagai bahan ajar IPA dan berpotensi meningkatkan kemampuan literasi sains siswa pada materi unsur, senyawa, dan campuran.

Kata Kunci: *E-booklet*, Literasi Sains, Budidaya Tembakau

Mohammad Shony Zainurrohman. *Development of a Tobacco Cultivation Content E-booklet to Improve Students' Scientific Literacy*, Undergraduate Thesis, Science Education Study Program, Faculty of Teacher Training and Education, University of Trunodjoyo Madura. Supervisor: Dwi Bagus Rendy Astid Putera.

ABSTRACT

This study aimed to determine the validity of the developed product, the improvement of students' scientific literacy, the readability of the e-booklet, and students' responses to the use of an e-booklet on tobacco cultivation. The study employed a Research and Development (R&D) method using the ADDIE development model. It was conducted during the second semester of the 2025/2026 academic year at SMP Negeri 1 Kwanyar Bangkalan. The research participants consisted of three students in the individual trial, eight students in the small-group trial, and twenty-one students in the large-group trial. The research instruments included validation sheets for media and material experts, a scientific literacy test, a readability questionnaire, and a student response questionnaire. The results showed that: (1) the e-booklet achieved a validity score of 73.33% from the media expert (valid) and 90.63% from the material expert (highly valid); (2) students' scientific literacy improved, with an N-Gain score of 0.45 (moderate category); (3) the average readability score was 70.50% (good); and (4) the average student response score was 70.05% (positive). These findings indicate that the tobacco cultivation e-booklet is feasible as a science learning resource and has the potential to improve students' scientific literacy on the topic of elements, compounds, and mixtures.

Keywords: E-booklet, Scientific Literacy, Tobacco Cultivation.