

Anggia Pangestu Gusti. 2026. Pengembangan *E-modul* IPA Konteks Jamu Pokak untuk meningkatkan Literasi Sains Siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Mochammad Yasir.

ABSTRAK

E-modul IPA konteks jamu pokak merupakan inovasi bahan ajar berbasis elektronik yang dikembangkan untuk meningkatkan literasi sains siswa materi klasifikasi makhluk hidup. Tujuan penelitian ini yaitu untuk mengetahui kevalidan *e-modul* IPA konteks jamu pokak, keterbacaan *e-modul*, respons siswa dan meningkatnya literasi sains siswa. Jenis penelitian ini merupakan *Research and Development* (R&D), dengan model ADDIE (*Analyze, Design, Development, Implementation and Evaluation*). Subjek penelitian yaitu siswa kelas VII UPTD SMP Negeri 1 Labang yang meliputi uji coba perorangan 2 siswa kelas VII-A, kelompok kecil 6 siswa kelas VII-A dan kelompok besar 32 siswa kelas VII-E tahun ajaran 2025/2026. Hasil penelitian menunjukkan: (1) *e-modul* IPA yang dikembangkan dinyatakan sangat valid berdasarkan penilaian ahli media sebesar 99,31% dan ahli materi sebesar 97,05%; (2) keterbacaan sangat baik dengan nilai rata-rata uji coba coba perorangan 94,64%, uji coba kelompok kecil 95,83% dan kelompok besar 85,27%; (3) respons siswa sangat baik nilai rata-rata diperoleh uji coba perorangan 91,45%, uji coba kelompok kecil 92,76%, kelompok besar 85,03%; (4) *e-modul* IPA konteks jamu pokak dapat meningkatkan literasi sains siswa ditunjukkan hasil rata-rata *N-Gain* 0,50 termasuk kategori sedang. Kesimpulan penelitian ini yaitu pengembangan *e-modul* IPA konteks jamu pokak efektif meningkatkan literasi sains siswa.

Kata kunci: *E-modul*, Literasi Sains, Jamu Pokak

Anggia Pangestu Gusti. 2026. Development of a Science E-module Based on the Jamu Pokak Context to Improve Students' Science Literacy. Thesis, Science Education Program, Faculty of Teacher Training and Education, Trunojoyo University of Madura. Advisor: Mochammad Yasir.

ABSTRACT

The science e-module based on the Jamu Pokak context is an innovation of electronic teaching material developed to improve students' science literacy in the topic of classification of living things. This study aimed to determine the validity, readability, student responses, and improvement of students' science literacy through the use of the developed e-module. This research employed a Research and Development (R&D) method using the ADDIE model (Analyze, Design, Development, Implementation, and Evaluation). The research subjects were seventh-grade students at UPTD SMP Negeri 1 Labang, consisting of an individual trial involving 2 students from class VII-A, a small-group trial involving 6 students from class VII-A, and a large-group trial involving 32 students from class VII-E in the 2025/2026 academic year. The results indicated that: (1) the developed science e-module was categorized as highly valid, with a score of 99.31% from media experts and 97.05% from content experts; (2) the readability of the e-module was classified as very good, with average scores of 94.64% (individual trial), 95.83% (small-group trial), and 85.27% (large-group trial); (3) student responses were also very good, with average scores of 91.45% (individual trial), 92.76% (small-group trial), and 85.03% (large-group trial); and (4) the e-module was able to improve students' science literacy, as indicated by an average N-Gain score of 0.50, categorized as moderate. In conclusion, the science e-module based on the Jamu Pokak context is valid, feasible, and effective in improving students' science literacy.

Keywords: *e-module, science literacy, Jamu Pokak*