

Sri Wahyuni. 2025. Pengembangan *E-magazine* Materi Unsur, Senyawa dan Campuran Konteks Soto Madura untuk Meningkatkan Literasi Sains Siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Rahmad Fajar Sidik

ABSTRAK

E-magazine materi unsur senyawa dan campuran konteks soto Madura merupakan bahan ajar yang memuat informasi tentang soto Madura yang dikaitkan dengan materi IPA unsur, senyawa dan campuran. Tujuan dari penelitian ini adalah untuk mengetahui kevalidan, keterbacaan dan respons siswa terhadap produk yang dikembangkan serta peningkatan literasi sains melalui pembelajaran menggunakan *e-magazine*. Metode yang digunakan dalam penelitian ini adalah *Research and Development* (R&D) dengan menggunakan model pengembangan ADDIE. Penelitian dilakukan pada siswa kelas IX-A untuk uji coba terbatas dan VIII-F MTsN Bangkalan untuk tahap implementasi. Instrumen penelitian meliputi lembar validasi, lembar angket keterbacaan, lembar angket respons siswa, dan soal tes literasi sains. Hasil penelitian menunjukkan *e-magazine* materi unsur, senyawa dan campuran dinyatakan valid dengan nilai validitas 95,14% pada aspek media dan 87,50% pada aspek materi. Hasil keterbacaan siswa terhadap *e-magazine* mendapatkan kategori sangat baik dengan rata-rata 89,80%. Hasil respons siswa terhadap penggunaan *e-magazine* mendapatkan kategori sangat tinggi dengan rata-rata 88,83%. Peningkatan literasi sains berdasarkan perhitungan *N-Gain* mendapatkan skor 0,58 dengan kategori sedang. Berdasarkan perolehan nilai tersebut menunjukkan bahwa pengembangan *e-magazine* materi unsur, senyawa dan campuran konteks soto Madura dinyatakan layak digunakan dalam pembelajaran dan dapat meningkatkan literasi sains siswa.

Kata Kunci: *e-magazine*, literasi sains, soto madura, unsur, senyawa dan campuran

Sri Wahyuni. 2025. *Development of an E-magazine on Elements, Compounds, and Mixtures of Soto Madura Context to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Universitas Trunojoyo Madura. Supervisor: Rahmad Fajar Sidik

ABSTRACT

The e-magazine on elements, compounds, and mixtures in the context of Madura soto is a teaching material that presents information about Madura soto with the science topics on elements, compounds, and mixtures. The purpose of this study was to determine the validity, readability, and student responses to the developed product as well as the improvement of science literacy through learning with an e-magazine. The method used in this research is Research and Development (R&D) using the ADDIE development model. This study was conducted on students of class IX-A for the limited trial and VIII-F MTsN Bangkalan for the implementation stage. The research instruments included validation sheets, readability questionnaire sheets, student response questionnaire sheets, and science literacy test questions. The results showed that the e-magazine on elements, compounds, and mixtures was declared valid, with a validity score of 95.14% for the media aspect and 87.50% for the material aspect. The results of student readability of the e-magazine received a "very excellent" category with an average of 89.80%. The results of student responses to the use of e-magazine received a very high category with an average of 88.83%. Based on the N-Gain calculation, the increase in science literacy was categorized as medium, with a score of 0.58. Based on these scores, it can be concluded that the development of an e-magazine on elements, compounds, and mixtures in the context of Madura soup is suitable for use in learning and can improve students' science literacy.

Keywords: *elements, compounds and mixtures, e-magazine, soto madura, science literacy,*