

Yossy Novita Surya Rahmawati, 2026. Pengembangan Multimedia Interaktif Berbasis Aplikasi *Superzat* Pada Kelas IV di SDN Sidodadi 1/153 Surabaya. Skripsi Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Ika Dian Rahmawati, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan multimedia interaktif berbasis aplikasi *Superzat* pada materi wujud zat dan perubahannya untuk siswa kelas IV SDN Sidodadi 1/153 Surabaya yang valid, efektif, dan praktis. Penelitian ini menggunakan metode Research and Development (R&D) dengan model pengembangan ADDIE yang meliputi tahap Analysis, Design, Development, Implementation, dan Evaluation. Subjek penelitian terdiri atas 30 siswa kelas IV, dengan uji coba kelompok kecil sebanyak 6 siswa dan uji coba kelompok besar sebanyak 24 siswa. Teknik pengumpulan data menggunakan wawancara, observasi, angket, dan tes hasil belajar. Analisis data dilakukan secara deskriptif kuantitatif. Hasil penelitian menunjukkan bahwa multimedia interaktif berbasis aplikasi *Superzat* memenuhi kriteria sangat valid dengan rata-rata persentase validasi sebesar 88,25%, yang diperoleh dari validasi ahli media sebesar 81%, ahli materi sebesar 89%, ahli desain pembelajaran sebesar 90%, dan ahli bahasa sebesar 93%. Media yang dikembangkan juga memenuhi kriteria sangat efektif yang ditunjukkan oleh peningkatan hasil belajar siswa, ketuntasan belajar secara klasikal, hasil observasi aktivitas guru sebesar 100%, aktivitas siswa kelompok kecil sebesar 95,3%, dan aktivitas siswa kelompok besar sebesar 95,87%. Selain itu, multimedia interaktif *Superzat* memenuhi kriteria sangat praktis dengan persentase respon guru sebesar 96,25% dan respon siswa sebesar 93,33%. Dengan demikian, multimedia interaktif berbasis aplikasi *Superzat* layak digunakan sebagai media pembelajaran IPAS pada materi wujud zat dan perubahannya di sekolah dasar.

Kata Kunci: Multimedia Interaktif, Wujud Zat dan Perubahannya, ADDIE.

Yossy Novita Surya Rahmawati, 2026. *Development of Superzat Application-Based Interactive Multimedia for Grade IV at SDN Sidodadi 1/153 Surabaya*. Thesis of Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University of Madura. Advisor: Ika Dian Rahmawati, S.Pd., M.Pd.

ABSTRACT

This study aimed to develop an interactive multimedia application called Superzat for teaching the topic of states of matter and their changes to fourth-grade students at SDN Sidodadi 1/153 Surabaya. The product was designed to meet the criteria of validity, effectiveness, and practicality. This research employed the Research and Development (R&D) method using the ADDIE model, which consists of Analysis, Design, Development, Implementation, and Evaluation stages. The research subjects were 30 fourth-grade students, consisting of 6 students in a small-group trial and 24 students in a large-group trial. Data were collected through interviews, observations, questionnaires, and learning achievement tests. The data were analyzed using descriptive quantitative techniques. The results indicated that the Superzat interactive multimedia application was highly valid, with an average validation score of 88.25%, consisting of media expert validation of 81%, material expert validation of 89%, instructional design expert validation of 90%, and language expert validation of 93%. The product was also highly effective, as evidenced by improvements in students' learning outcomes, classical learning mastery, teacher activity observations reaching 100%, student activity observations in the small-group trial reaching 95.3%, and student activity observations in the large-group trial reaching 95.87%. Furthermore, the product was categorized as highly practical, with teacher response scores of 96.25% and student response scores of 93.33%. Therefore, the Superzat interactive multimedia application is feasible to be used as a learning medium for science and social studies (IPAS) on the topic of states of matter and their changes in elementary schools.

Keywords: *Interactive Multimedia, States of Matter and Their Changes, ADDIE.*