

ABSTRAK

JESIKA MERDISINTA SIHOMBING. Pengembangan Video Pembelajaran IPA Menggunakan Aplikasi *Doratoon* Berbasis Literasi Sains Kelas V SDN 173175 Simarpinggan. Skripsi. Medan: Fakultas Ilmu Pendidikan Universitas Negeri Medan, 2024.

Penelitian ini bertujuan untuk 1) Mengetahui kelayakan video pembelajaran IPA menggunakan aplikasi *Doratoon* berbasis literasi sains, 2) Mengetahui kepraktisan video pembelajaran IPA menggunakan aplikasi *Doratoon* berbasis literasi sains, 3) Mengetahui keefektifan video pembelajaran IPA menggunakan aplikasi *Doratoon* berbasis literasi sains berdasarkan hasil uji coba lapangan. Jenis penelitian ini menggunakan penelitian pengembangan atau *research and development* (R&D) dengan model ADDIE yang terdiri dari 5 tahapan yaitu tahap *analysis* (analisis), *design* (perancangan), *development* (pengembangan), *implementation* (implementasi), *evaluation* (evaluasi). Subjek pada penelitian ini adalah peserta didik berjumlah 29 orang dan 1 orang guru kelas V SD Negeri 173175 Simarpinggan. Teknik pengumpulan data menggunakan teknik wawancara, dokumentasi, angket, dan tes. Teknik analisis data menggunakan pendekatan kualitatif dan kuantitatif. Hasil penelitian pengembangan video pembelajaran IPA menggunakan aplikasi *Doratoon* berbasis literasi sains kelas V, menunjukkan hasil validasi materi oleh validator ahli materi memperoleh persentase kelayakan 88,30% kategori “Sangat Layak” dan hasil validasi media oleh validator ahli media memperoleh persentase kelayakan 89,23% kategori “Sangat Layak”. Uji kepraktisan oleh praktisi pendidikan memperoleh hasil persentase 92,85% kategori ‘Sangat Praktis’ dan hasil respon peserta didik diperoleh pada uji coba perorangan sebesar 100% dan uji coba kelompok kecil sebesar 97% dengan kategori ‘Sangat Praktis’. Berdasarkan hasil uji keefektifan diketahui bahwa setelah menggunakan video pembelajaran yang dikembangkan terlihat peningkatan hasil belajar masing-masing peserta didik. Sebelumnya nilai rata-rata peserta didik 43,03 dengan kategori ‘Tidak Tuntas’ dan mengalami peningkatan yaitu menjadi 79,29 dengan kategori ‘Tuntas’ dan “Sangat Efektif”.

Kata kunci: Video Pembelajaran, *Doratoon*, Literasi Sains, Hasil Belajar

ABSTRACT

JESIKA MERDISINTA SIHOMBING. Development of Science Learning Video Using the Doratoon Application Based on Scientific Literacy at Class V SDN 173175 Simarpinggan. Skripsi. Medan: Faculty of Education Universitas Negeri Medan, 2024.

This research aims to 1) Knowing the feasibility of science learning video using application Doratoon based on scientific literacy, 2) Knowing the practicality of science learning video using application Doratoon based on scientific literacy, 3) Knowing the effectiveness of science learning video using application Doratoon based on scientific literacy based on the results of field trials. This type of research uses development research and development (R&D) with the ADDIE model which consists of 5 stages, namely the analysis, design, development, implementation and evaluation stages. The subjects in this research were 29 students and 1 teacher of class V SDN 173175 Simarpinggan. Data collection techniques use interview techniques, documentation, questionnaires and tests. Data analysis techniques use qualitative and quantitative approaches. The results of research on the development of science learning video using the Doratoon application based on scientific literacy at class V, show that the result of material validation by material expert validator obtained a feasibility percentage of 88,30% in the “Very Feasible” category and the result of media validation by media expert validator obtained a feasibility percentage of 89,23% “Very Feasible” category. The practicality test by educational practitioners obtained a percentage result of 92,85% in the “Very Practical” category and student response result obtained in individual trials were 100% and small group trials were 97% in the “Very Practical” category. Based on the results of the effectiveness test, it is known that after using the learning video developed, the learning outcomes of each student can be seen to increase. Previously, the average student score was 43.03 in the “Not Completed” category and has increased to 79,29 in the “Completed” and “Very Effective” categories.

Keywords : Learning Video, Doratoon, Scientific Literacy, Learning Result