

ABSTRAK

Pengembangan e-modul ini bertujuan untuk memfasilitasi pembelajaran peserta didik sehingga peserta didik dapat belajar secara mandiri dengan menggunakan *android* yang mereka miliki guna memanfaatkan *Android* serta mempermudah peserta didik dalam memahami materi sehingga dapat belajar secara mandiri dengan materi dan soal yang mendorong peserta didik agar lebih berpikir kritis. Pengembangan menggunakan model 4D yaitu *define* (pendefinisian), *design* (perancangan), *develop* (pengembangan), dan *disseminate* (penyebaran). Hasil penelitian yaitu validasi ahli desain mendapatkan skor rata-rata 3,8 mendekati skor maksimal 4 dengan persentase 94,93%. Validasi ahli materi mendapat skor rata-rata 3,89 mendekati skor maksimal 4 dengan persentase 98%. Ahli berpikir kritis mendapatkan skor rata-rata 3,89 mendekati skor maksimal 4 dengan persentase 89%. Hasil validasi uji coba menunjukkan respon peserta didik perolehan skor rata-rata 3,92 mendekati skor maksimal 4 dengan persentase 98%. Produk sudah divalidasi oleh 3 kriteria menunjukkan hasil valid dengan kriteria persentase sangat baik.

Kata Kunci: *e-modul, berbasis auditory intellectually repetition (AIR), berpikir kritis*

ABSTRACT

The development of this e-module aims to facilitate student learning so that students can study independently using the Android they have in order to make use of Android and make it easier for students to understand the material so that they can study independently with material and questions that encourage students to think more. ctitis. The development uses the 4D model, namely define, design, develop, and disseminate. The results of the study, namely the validation of design experts, get an average score of 3.8, close to a maximum score of 4 with a percentage of 94.93%. Material expert validation got an average score of 3.89, close to a maximum score of 4 with a percentage of 98%. Critical thinking experts get an average score of 3.89, close to a maximum score of 4 with a percentage of 89%. The results of the trial validation showed that the students' responses obtained an average score of 3.92, close to a maximum score of 4 with a percentage of 98%. The product has been validated by 3 criteria showing valid results with very good percentage criteria.

Keywords: *e-module, auditory based intellectually repetition (AIR), critical thinking*