

## ABSTRAK

Penelitian pengembangan ini bertujuan mengembangkan produk media pembelajaran berupa media pembelajaran matematika berbasis video animasi dengan menggunakan sparkol pada materi trigonometri kelas XI. Pengembangan ini menggunakan model ADDIE, yaitu: *analiys, design, development, implementation, evaluate*. Subjek penelitian pengembangan adalah peserta didik kelas XI IPA MAN 1 Lampung Selatan. Objek penelitian adalah media pembelajaran berbasis video animasi dengan menggunakan sparkol pada materi trigonometri kelas XI. Penelitian pengembangan ini melalui tahapan uji validasi materi dan media serta uji kepraktisan untuk mengetahui tingkat kelayakan dan kepraktisan produk yang dikembangkan. hasil rata-rata persentase uji validasi ahli materi 84,6% yang berarti masuk dalam kategori sangat layak, sedangkan hasil uji validasi ahli media diperoleh 77,78% termasuk dalam kategori layak. selanjutnya diperoleh rata-rata persentase ahli materi dan ahli media 82,69% berarti media pembelajaran yang dikembangkan masuk dalam kategori sangat layak. Adapun hasil uji kepraktisan diperoleh rata-rata persentase 81% yang termasuk dalam kategori sangat praktis. Berdasarkan hasil uji validasi dan uji kepraktisan maka media pembelajaran matematika berbasis video animasi menggunakan sparkol pada materi trigonometri kelas XI dinyatakan layak dan praktis untuk digunakan.

**Kata kunci:** Media Pembelajaran, Sparkol, Video animasi.

## ABSTRACT

*this development research aims to develop learning media products in the form of mathematics learning media based on animation videos by using sparkol on trigonometri material in class XI. this development uses the addie model, namely: analiys, design, development, implementation, evaluate. The subject of this development research is the 11<sup>th</sup> grade science student at MAN 1 South Lampung. The object of research is an animated video-based learning media using sparkol on trigonometry material for class IX. This development research goes through the stages of material and media validation test and practicality test to determine the level of feasibility and practicality of the products developed. The average percentage of material expert validation test results 84,6% which means it is in the very decent category. While the average percentage of media expert validation test results obtained 77,78% include in the decent category. The obtained the average percentage of material experts and media experts 82,69% this means that the learning media developed is in the very feasible category. the results of the practicality test of the developed learning media obtained an average percentage 81% which is include in the very practical category. based on the results off the validation test and practicality test, mathematics learning media based on animation videos by using sparkol on trigonometri material in class XI is declared feasible and practical to use.*

**Keywords:** Animation videos, Learning media, Sparkol.