

## ABSTRAK

Penelitian yang dilakukan berupa penelitian pengembangan dengan tujuan menghasilkan Aplikasi *E-Learning* Berbasis Android Sebagai Media Pembelajaran Materi Himpunan di MTs Muhammadiyah Bumi Nabung Lampung Tengah yang Valid dan Praktis. Model pengembangan yang digunakan yaitu model pengembangan ADDIE (*Analisis, Design, Development, Implementation, Evaluate*). Subjek penelitian peserta didik kelas VII MTs Muhammadiyah Bumi Nabung Lampung Tengah. Produk yang dihasilkan harus melalui uji validasi materi dan media terlebih dahulu, setelah itu dilakukan uji kepraktisan produk. Berdasarkan hasil aspek kevalidan memenuhi kriteria valid dengan persentase kevalidan sebesar 88%. Berdasarkan hasil uji coba kepraktisan Aplikasi *E-Learning* Berbasis Android Sebagai Media Pembelajaran Materi Himpunan memenuhi kriteria sangat praktis dengan persentase kepraktisan sebesar 96%. Berdasarkan kriteria yang diperoleh maka Aplikasi *E-Learning* Berbasis Android Sebagai Media Pembelajaran Materi Himpunan di MTs Muhammadiyah Bumi Nabung Lampung Tengah yang dikembangkan memenuhi kriteria valid dan praktis.

**Kata kunci** : Android, Aplikasi *E-Learning*, Himpunan, Pengembangan.

## ABSTRACT

*The research was carried out in the form of development research with the aim of producing an Android based E-Learning Application as a Learning Media for Association Materials at MTs Muhammadiyah Bumi Nabung Central Lampung which is Valid and Practical. The development model used is the ADDIE development model (Analysis, Design, Development, Implementation, Evaluation). The research subjects were class VII students of MTs Muhammadiyah Bumi Nabung Central Lampung. The resulting product must first pass a material and media validation test, after which the product practicality test is carried out. Based on the results of the validity aspect, it meets the valid criteria with a validity proportion of 88%. Based on the results of the practicality trial of the Android-based E-Learning Application as a Learning Media, the set material meets the very practical criteria with a practicality proportion of 96%. Based on the requirements obtained, the Android Based E-Learning Application as a Learning Media for Association Material at MTs Muhammadiyah Bumi Nabung Central Lampung which was developed meets valid and practical criteria.*

**Keywords** : Android, *E-Learning* application, Association, Development.