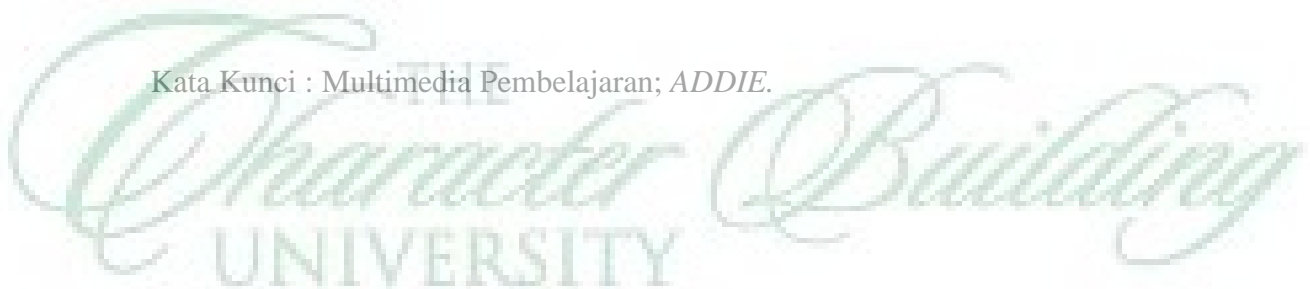# ABSTRAK

Mhd Irsyad Akmil : Pengembangan Multimedia Pembelajaran Menggunakan *Adobe Animate* pada mata pelajaran Teknologi Jaringan Berbasis Luas *Wide Area Network* (WAN) kelas XI Di SMK Swasta Dwiwarna Medan.

Penelitian ini bertujuan untuk mengetahui apakah pengembangan media pembelajaran menggunakan *Adobe Animate* efektif terhadap pembelajaran Teknologi Jaringan Berbasis Luas *Wide Area Network* (WAN) . Penelitian ini dilakukan pada siswa kelas XI Program Keahlian Teknik Komputer dan Jaringan SMK Swasta Dwiwarna Medan. Prosedur pengembangan media pembelajaran berbasis multimedia pada mata pelajaran Teknologi Jaringan Berbasis Luas (WAN) yang dikemas dalam bentuk *Application Package File* (APK) dilakukan dengan menggunakan model desain pengembangan ADDIE (*Analysis, Design, Development, Implementation,* dan *Evaluation).*

Uji kelayakan terhadap media pembelajaran berbasis multimedia yang dikembangkan, dan mendapat penilaian oleh ahli media 1 menunjukkan rata-rata penilaian sebesar **4,68** "Sangat Baik" dan Interpretasi "Sangat Layak", dan uji kelayakan oleh ahli media 2 menunjukkan rata-rata penilaian sebesar **4,65** "Sangat Baik" dan Interpretasi "Sangat Layak". Pengujian terhadap multimedia interaktif oleh ahli materi Dosen menunjukkan rata-rata penilaian sebesar **3,73** "Baik" dan Interpretasi "Layak", dan pengujian terhadap multimedia interaktif oleh ahli materi Guru Bidang Studi menunjukkan rata-rata penilaian sebesar **4,32** "Sangat Baik" Interpretasi "Sangat Layak".

Pengujian kepada siswa dimana hasil pengujian memiliki rata-rata penilaian sebesar **4,41** "Sangat Baik" Interpretasi "Sangat Layak". Berdasarkan hasil uji kelayakan dan pengujian tersebut maka dapat disimpulkan media pembelajaran berbasis multimedia yang dikembangkan sangat baik dan Efektif untuk dijadikan media pembelajaran materi Jaringan Fiber Optik.

Kata Kunci : Multimedia Pembelajaran; *ADDIE*.

ABSTRACT

Mhd Irsyad Akmil *: Development of Learning Multimedia Using Adobe Animate in the subject of Wide Area Network (WAN) Network Technology class XI at Dwiwarna Private Vocational School Medan.*

This study aims to determine whether the development of learning media using Adobe Animate is effective for learning Wide Area Network (WAN) Based Network Technology. This research was conducted on students of class XI of the Computer and Network Engineering Expertise Program at Dwiwarna Private Vocational School in Medan. The procedure for developing multimedia-based learning media on Broad-Based Network Technology (WAN) subjects packaged in the form of Application Package Files (APK) is carried out using the ADDIE development design model (Analysis, Design, Development, Implementation, and Evaluation).

The feasibility test of the multimedia-based learning media that was developed, and received an assessment by media expert 1 showed an average rating of 4.68 "Very Good" and Interpretation "Very Appropriate", and the feasibility test by media expert 2 showed an average rating of 4.65 "Very Good" and "Excellent" Interpretation. Testing of interactive multimedia by material experts Lecturers showed an average assessment of 3.73 "Good" and Interpretation "Decent", and testing of interactive multimedia by subject matter experts for Teachers of Study showed an average rating of 4.32 "Very Good" "Very Worthy" Interpretation.

Testing on students where the test results have an average assessment of 4.41 "Very Good" Interpretation "Very Eligible". Based on the results of the feasibility test and testing, it can be concluded that the multimedia-based learning media developed is very good and effective to be used as learning media for Fiber Optic Network material.

Keywords: Learning Multimedia; ADDIE.