

18.240.0086 GADIS PRAMUDYA,
MEDIA PEMBELAJARAN JARINGAN LAN (*Local Area Network*) MATA
PELAJARAN KOMPUTER DAN JARINGAN DASAR BERBASIS MULTIMEDIA
DI SMK ISLAM BOJONG, di bawah bimbingan Wahyu Setianto, M.Kom., dan
Amanah, S.Kom.

150 + xxi halaman/ 35 gambar/ 20 tabel/ 5 Lampiran/ 24 daftar pustaka (2008-2021)

ABSTRAK

SMK Islam Bojong. Dalam proses pembelajaran khususnya penyampaian materi jaringan LAN menggunakan media buku paket. Penggunaan media ini masih tergolong kurang karena terbatasnya materi. Hal ini dilihat dari kuesioner yang menyimpulkan bahwa sebanyak 83,6% siswa sulit mengerti untuk mempelajari materi jaringan LAN dan 80,6% siswa menyatakan bahwa pembelajaran jaringan LAN menggunakan buku paket sulit di mengerti. Maka dibangunlah “Media pembelajaran jaringan LAN” guna mempermudah siswa dalam mempelajari jaringan LAN. Metode pengembangan sistem menggunakan MDLC (Multimedia Development Life Cycle) menurut (Riyanto 2015) yang terdiri dari 6 tahapan yaitu tahapan concept (konsep), design (desain), materil collecting (pengumpulan bahan), assembly (pembuatan), testing (pengujian), dan distribution (distribusi). Dalam media pembelajaran ini, digunakan alat pengembangan sistem struktur navigasi, flowchart, LKT (Lembar Kerja Tampilan), dan storyboard. Media pembelajaran ini telah diuji menggunakan metode pengujian GUI (Graphical User Inteterface) dan UAT (User Acceptance Test). Media yang dibangun dapat menampilkan materi dan gambaran yang menjelaskan jaringan LAN dan terdapat dubbing sound yang membantu memperjelas materi. Media ini juga dilengkapi dengan evaluasi untuk mengukur sejauh mana siswa memahami materi yang ada. Melalui serangkaian tahapan pengembangan sistem dan pengujian tersebut telah dihasilkan “Media pembelajaran jaringan LAN mata pelajaran komputer dan jaringan dasar berbasis multimedia di SMK Islam Bojong” yang dapat digunakan sebagai media bantu siswa dalam mempelajari jaringan LAN secara mandiri baik dikelas maupun dirumah . Media ini masih memerlukan pengembangan terutama penambahan materi yang lebih banyak lagi dan diberikannya inovasi terbaru agar lebih menarik seperti model animasi yang beragam atau tampilan media yang lebih futuristic.

Kata kunci : Media Pembelajaran , Jaringan LAN, Multimedia

18.240.0086 GADIS PRAMUDYA,
LAN NETWORK LEARNING MEDIA (Local Area Network) COMPUTER
SUBJECTS AND BASIC MULTIMEDIA BASED NETWORKS AT SMK ISLAM
BOJONG, under the guidance of Wahyu Setianto, M.Kom., and Amanah, S.Kom.

150 + xxi pages/ 35 images/ 20 tables/ 5 Appendices/ 24 bibliography (2008-2021)

ABSTRACT

SMK Islam Bojong. In the learning process, especially the delivery of LAN network materials using package book media. The use of this media is still relatively lacking due to limited material. This can be seen from the questionnaire which concluded that as many as 83.6% of students had difficulty understanding to learn LAN network material and 80.6% of students stated that learning LAN networks using package books was difficult to understand. So the "LAN network learning media" was built to make it easier for students to learn LAN networks. The system development method uses MDLC (Multimedia Development Life Cycle) according to (Riyanto 2015) which consists of 6 stages, namely the concept stage, design (desaim), materil collecting (material collection), assembly (making), testing (testing), and distribution (distribution). In this learning media, navigation structure system development tools, flowcharts, LKT (Display Worksheets), and storyboards are used. This learning media has been tested using GUI (Graphical User Inteterface) and UAT (User Acceptance Test) testing methods. The media built can display material and images that explain the LAN network and there is a dubbing sound that helps clarify the material. This media is also equipped with evaluations to measure the extent to which students understand the material at hand. Through a series of stages of system development and testing, "LAN network learning media for computer subjects and basic multimedia-based networks at SMK Islam Bojong" has been produced which can be used as a medium to assist students in learning LAN networks independently both in class and at home. This media still needs development, especially the addition of more material and the provision of the latest innovations to make it more attractive such as diverse animation models or a more futuristic media display.

Keywords : Learning Media, LAN Network, Multimedia