Muhammad Riskon Hidayatullah : 19.240.0006

MEDIA PEMBELAJARAN TEKNOLOGI INFORMASI KOMUNIKASI (TIK) KELAS IX MTS MAHADUL MUTAALIMIN SIDOREJO COMAL, dibawah bimbingan Paminto Agung Christianto, S.Kom., M.Kom dan Hari Agung Budijanto, S.Kom., M.Kom 127 + xiv halaman / 63 gambar / 31 tabel / 28 pustaka (2017 - 2022)

ABSTRAK

MTs Ma'hadul Muta'allimin menggunakan metode konvensional dengan keterbatasan media pembelajaran. Minimnya alokasi waktu membuat beberapa kompetensi tidak tercakup. Diperlukan penggunaan media pembelajaran untuk meningkatkan kualitas belajar. Guru perlu memilih bahan ajar yang menarik untuk meningkatkan motivasi siswa. Media pembelajaran TIK perlu diperhatikan sebagai fasilitator pembelajaran. Maka, perlu dibuat Media Bantu Pembelajaran TIK yang menyenangkan untuk siswa Kelas IX MTs Ma'hadul Mutaallimin, agar siswa tertarik dan termotivasi dalam proses pembelajaran. Metodologi pengembangan sistem media bantu pembelajaran menggunakan model Waterfall. Tahap-tahapnya meliputi communication, planning, modelling, construction, dan deployment aplikasi. Dalam tahap communication, data dikumpulkan melalui observasi, wawancara, dan studi literatur. Tahap planning melibatkan estimasi waktu dan merinci kebutuhan fungsional dan non-fungsional. Tahap modelling mencakup pembuatan flowchart, storyboard, dan LKT (Lembar Kerja Tampilan). Tahap construction melibatkan konstruksi tampilan berdasarkan LKT. Terakhir deployment, aplikasi didistribusikan ke pengguna.Aplikasi ini diuji dengan whitebox, blackbox, dan User Acceptance Test. Hasil penelitian ini yaitu Terwujudnya Media bantu Pembelajaran TIK MTs Ma'hadul Muta'allimin Sidorejo berbasis web.

Kata Kunci : *Media Pembelajaran, Model Waterfall, Whitebox testing, Blackbox Testing, User Acceptence Test (UAT), Web*

Muhammad Riskon Hidayatullah: 19.240.0006

LEARNING MEDIA FOR INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) CLASS IX OF MAHADUL MUTAALIMIN SIDOREJO COMAL ISLAMIC JUNIOR HIGH SCHOOL, under the guidance of Paminto Agung Christianto, S.Kom., M.Kom, and Hari Agung Budijanto, S.Kom., M.Kom. 127 + xiv pages / 63 images / 31 tables / 28 references (2017 - 2022)

ABSTRACT

MTs Ma'hadul Muta'allimin uses conventional methods with limited learning media. The lack of allocated time results in some competencies not being covered. The use of learning media is necessary to improve the quality of learning. Teachers need to select engaging teaching materials to enhance student motivation. ICT learning media needs to be considered as a learning facilitator. Therefore, it is necessary to create enjoyable ICT Learning Support Media for Class IX students at MTs Ma'hadul Muta'allimin, so that students are interested and motivated in the learning process. The methodology for developing the learning support media system uses the Waterfall model. The stages include communication, planning, modeling, construction, and application deployment. In the communication stage, data is collected through observation, interviews, and literature review. The planning stage involves estimating time and detailing functional and non-functional requirements. The modeling stage includes creating flowcharts, storyboards, and WSS (Worksheet Display). The construction stage involves constructing the display based on the WSS. Finally, in the deployment stage, the application is distributed to users. This application is tested using whitebox, blackbox, and User Acceptance Test. The result of this research is the realization of the web-based ICT Learning Support Media for MTs Ma'hadul Muta'allimin Sidorejo.

Keywords : *Learning Media, Waterfall Model, Whitebox Testing, Blackbox Testing, User Acceptance Test (UAT), Web.*