**SABIHIS FANANI MALNA, 17.240.0226**

**DENAH DIGITAL 3D MA SUNAN KALIJAGA BAWANG**, dibawah bimbingan Arief Soma Darmawan, M.Kom dan Wachid Darmawan, M.Kom

77 + xiii halaman / 45 gambar / 9 tabel / 2 lampiran / 17 pustaka (2012 – 2020)

# ABSTRAK

*MA Sunan Kalijaga Bawang merupakan salah satu sekolah menengah atas yang berbasis madrasah di wilayah Batang Jawa Tenga. Sampai saat ini MA Sunan Kalijaga memiliki 523 Siswa dan 51 ruangan yang terdiri dari Ruang Kelas, Masjid, Kantor, Dapur, Gedung Sekolah, Lapangan, Koperasi, Laboratorium Biologi, Perpustakaan, dan Ruangan penunjang lainnya. Berdasarkan observasi, ditemukan permasalahan pada proses pengenalan gedung dan ruangan di MA Sunan Kalijaga Bawang, dimana media yang digunakan adalah slide presentasi dan foto yang bentuknya bersifat 2D (2 Dimensi). Sehingga untuk mengatasi permasalahan tersebut, dibangun Denah Digital 3 Dimensi menggunakan metode pengembangan sistem Multmedia melalui beberapa tahapan Konsep, Desain, Pengumpulan Material, Pembangunan, Pengujian, dan Distribusi. Rancangan sistem dibangun menggunakan alat bantu pengembangan Struktur Navigasi, Flowchart, dan Lembar Kerja Tampilan (LKT). Metode pengujian yang digunakan adalah Graphical User Interface (GUI) dan User Acceptance Test (UAT). Denah Digital yang dibangun dapat membantu proses pengenalan gedung dan ruangan MA Sunan Kalijaga Bawang lebih menarik. Namun masih perlu dikembangkan kedalam media berbasis online maupun aplikasi mobile, serta melalui media Virtual Tour dengan visual gambar sesuai keadaan aslinya (foto).*

**Kata Kunci : *Denah Digital, 3D, MA***

**SABIHIS FANANI MALNA, 17.240.0226**

**3D DIGITAL PLAN OF BAWANG'S SENIOR HIGH SCHOOL**, under guidance of Arief Soma Darmawan, M.Kom dan Wachid Darmawan, M.Kom

77 + xiii pages / 45 images / 9 tables / 2 attachments / 17 libraries (2012 – 2020)

# ABSTRACT

*MA Sunan Kalijaga Bawang is one of the senior high schools based on madrasas in the Batang, Central Java region. Until now MA Sunan Kalijaga has 523 students and 51 rooms consisting of Classrooms, Mosques, Offices, Kitchens, School Buildings, Fields, Cooperatives, Biology Laboratories, Libraries, and other supporting rooms. Based on observations, problems were found in the process of introducing buildings and rooms at MA Sunan Kalijaga Bawang, where the media used were presentation slides and 2D (2 Dimensional) photos. So to overcome these problems, a 3-Dimensional Digital Plan was built using the Multimedia system development method through several stages of Concept, Design, Material Collection, Development, Testing, and Distribution. The system design was built using the development tools of Navigation Structures, Flowcharts, and Display Worksheets (DW). The test methods used are Graphical User Interface (GUI) and User Acceptance Test (UAT). The digital floor plan that was built can help the process of introducing the building and room of the MA Sunan Kalijaga Bawang to be more interesting. However, it still needs to be developed into online-based media and mobile applications, as well as through Virtual Tour media with visual images according to their original state (photos).*

**Key Word : *Digital Plan, 3D, Senior High School***