

PERANCANGAN *VIRTUAL TOUR* LABORATORIUM TERPADU UNTUK Mendukung Pembelajaran Mahasiswa Rekam Medis di Fakultas Kesehatan Universitas Jenderal Achmad Yani Yogyakarta

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INTISARI

Latar Belakang : Laboratorium Terpadu merupakan bagian sebuah program studi yang digunakan untuk meningkatkan pembelajaran mahasiswa. Sebagai upaya peningkatan paparan laboratorium terpadu kepada mahasiswa maka perlu memanfaatkan teknologi dibidang multimedia, seperti *Virtual Reality*. Diperlukan perancangan berbasis kebutuhan agar *Virtual Reality* dapat sesuai harapan dari pengguna.

Tujuan Penelitian : Merancang *Virtual Reality* (VR) *Tour* Laboratorium Terpadu untuk pembelajaran di Fakultas Kesehatan Universitas Jenderal Achmad Yani Yogyakarta.

Metode : Penelitian ini menggunakan metode R&D. Pengambilan data dilakukan melalui wawancara kepada 6 Informan. Hasil analisis kebutuhan dijadikan sebagai bahan merancang VR *Tour* menggunakan Ricoh 360. Pengambilan gambar menggunakan kamera insta 360.

Hasil : Hasil analisis kebutuhan didapatkan bahwa perancangan VR *tour* membutuhkan 3 fitur, yaitu *path*, *annotation* dan *starting view*. Sebanyak 14 laboratorium beserta atribut informasinya dimasukkan ke dalam VR *tour*. Pengguna menyampaikan bahwa VR *tour* sudah cukup baik dan sesuai kebutuhan.

Kesimpulan : Perancangan VR *tour Laboratorium* terpadu sesuai kebutuhan pengguna. Dibutuhkan platform yang mudah digunakan dan platform tersebut dapat diembed sehingga VR dapat ditampilkan pada website yang diinginkan.

Kata Kunci : Perancangan, *Virtual Reality*, Laboratorium Terpadu, Teknologi

Mahasiswa Prodi RMIK Universitas Jenderal Achmad Yani Yogyakarta
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DESIGNING THE INTEGRATED LABORATORY VIRTUAL TOUR TO SUPPORT MEDICAL RECORD STUDENTS LEARNING AT FACULTY OF HEALTH, UNIVERSITAS JENDERAL ACHMAD YANI YOGYAKARTA

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ABSTRACT

Background : The Integrated Laboratory become a part of study program to improve student's skills. As an effort to increase Integrated Laboratory exposure to students, multimedia technology utilization may be adopted, such as virtual reality. A precise need assessment will help virtual reality development as user's expectation.

Research : To design an Integrated Laboratory Virtual Reality Tour for medical record students learning at the Faculty of Health, Universitas Jenderal Achmad Yani, Yogyakarta.

Method : This research was using the R&D method and interviewing 6 key informants. Data was used as the basis of VR tour development on the Ricoh 360 apps. All images had captured by insta 360 camera.

Results : From the need assessment, we found that VR Tour needed 3 main features, which was path; annotation and starting view. We identified 14 laboratories for VR tour contents, including its attributes. Users explained that VR tour was good and suitable with users' need.

Conclusion : Integrated Laboratory VR tour design based on user needs. It needs a compatible platform that could accommodate VR tour embedding need so VR tour can be displayed on the website.

Keywords : Design, Virtual Reality, Integrated Laboratory Technology.

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