

**MODELLING AND MAPPING VIRTUAL REALITY IN 3 DIMENSION
OF HOSPITALITY ROOM AT MOSLEM JEMURSARI HOSPITAL
SURABAYA**

Student Name : Bayu Riskiananto
NIM : 3131318001
Mini Thesis Adviser 1 : Rizqi Putri Nourma Budiarti S.T.,M.T
Mini Thesis Adviser 2 : Paramitha Nerisafitra S.S.T.,M.Kom

ABSTRACT

Badan Pusat Statistik 2019 said that Indonesia had 310.710 inpatient room from all hospital, which had variety type of room from VVIP to 3rd class, each room had no much different from every hospital. Most of hospital did not have detail information about what kind of facility inside inpatient room. Most of the hospital just listed their facility in inpatient room on a piece of paper with room's photo or not. That was a problem where patient or patient family needed to imagined how inpatient room in reality and sometimes they did not match.

Moslem Hospital Jemursari had similar problem, nurse or officer will guided patient to the inpatient room if patient family wanted to saw the room they choosed. How they treated their family patient so inefficient at time and wasted energy either from officer and famliy patient. Researcher wanted to modelled and mapped inpatient room in 3 dimension at virtual reality as solution of that problem. eventhough modelled and mapped inpatient room in virtual reality was old method, but in Indonesia this methode still rared and with virtual reality family patient can imagined how the inpatient room in reality. This technology made family patient looked inpatient room live with all the the facility in moslem hospital Jemursari.

Result of this researced was an application in smartphone android named RSVR (Rumah Sakit Virtual Reality) which already tested with blackbox usability test and have scored 3.81. Likert standart used for gained the score, used 3 as middle value from 1 to 5, Score 3.81 high enough to made this prototype application developed further.

Keyword: 3 Dimension, Virtual Reality, Moslem Jemursari Hospital, Hospitality Room