ABSTRACT

SOFTWARE VIRTUAL HIJAB WITH AUGMENTED REALITY WEB BASED IN SAKINAH KERUDUNG SHOP

BY
RIANI AZZAHRA
10108654

Sakinah Kerudung is one of the hijab shop in Bandung which is feeling maximum benefit from sales via online yet. It is caused by consumers's trust which are less on online shop. Another problem is consumers's distrust on the suitability of items to be selected. Therefore, this research takes of augmented reality technology to interest visitors of Sakinah Kerudung online shop. Implementation of augmented reality in Sakinah Kerudung is a virtual hijab web based.

Development of this software uses waterfall paradigm and object oriented programming with UML diagrams. This software uses a Haar Cascade Classifier methods which is implemented in the Marilena library and programming language of actionscript3. Before build a virtual hijab is required system analysis. After virtual hijab through the phase of system design and implementation, development of virtual hijab through the testing phase.

Results of white box testing from the algorithm are valid and have a consistent value is seven. Based of performance testing is the virtual hijab produces an average distance of the right face use virtual hijab which is 70 centimeter. Meanwhile, according to the questionnaire respondents are virtual hijab successfully attracts the interest and help choose the hijab.

Kata kunci : *augmented, reality, virtual,* Sakinah Kerudung