ABSTRACK

AUGMENTED REALITY APLICATION TO CHOOSE TYPE HAIR IN HEADCORE BARBERSHOP WITH FACE RECOGNITION METHOD AS MARKER DETECTION

BY :

RIZQI AKBAR NABAWI
10107546

Software was built in the final test is augmented reality software to help member of barbershop to choose type hair. So, augmented reality software can help customer to choose hair type that their want without the fear of a mistake in cutting hair.

This augmented reality software was built use actionscript3 language with face as object reference (Face Recognition) and with Haar Cascade Classifier method. This method was showed in 2001 by Paul Viola and Michael Jones. This method uses Haar-Like which must be training to obtain a decision tree that name is Cascade Classifier as determinant whether there are face or no in every frame in the process.

This software is running real time and dynamic so every information (range or angle between face and camera) obtained from every customer are very consistent effect on the success of the system. For the optimal range between customer and camera is 40 cm until 80 cm and degree angle between face and camera is 0^{O} *(upright to camera).*

Key Words : *Augmented Reality, Face Recognition, Haar Cascade Classifier, Haar-Like Features*