

## **ABSTRACT**

### **IMPLEMENTATION OF AUGMENTED REALITY GUIDE OF ISTIKHARAH SHALAT USING FINITE STATE MACHINE ON ANDROID**

*Shalat is the main worship in the religion of Islam, of course, after the creed, in the ordinance of pengerjaanya this worship must be orderly and in accordance with the procedures that have been determined. This age can only be learned from people who understand the religion and the ordinances of praying that are true and orderly can be tried his prayer. But today there are many media that support everyone to apply the correct way of praying, the most common is through video. There are a lot of videos that are made specifically to discuss and introduce this. Not just through video, with the development of the era and technology then studying prayers became more easily digested even with self-study, some modern-day media that emerged for the course of this learning . Among others through Books, internet. Segala things need multimedia and can be understood clearly. But at this time there has been a new learning method that is more real again in 3 dimensions and more easy to learn the procedure of solat movement that is using Augmented Reality technology. Where the Android operating system running, where Android is the most recent operating system that is embedded in smartphones that support the image, and animation moves to facilitate learning and look more real than any other media. With this smartphone, users can know every move of prayer in 3D with closer, real and easy to understand through the markers highlighted with android smartphone camera.*

**Keyword:** Augmented Reality, Shalat Istikharah, Finite State Machine Method.