

## **ABSTRACT**

*Photographic developing world has now entered the digital age. Art imaging using light as the main parameter, so popular both as a hobby or as a profession. With the advent of the android is open source-based operating system that allows developers to develop Android applications.*

*In this thesis made an application to process images using Tilt-Shift image filtering that creates optical illusion on the outside of the image will appear blurred to create an image that looks clear as if taken from a miniature model. In this application there are some simple menu like “my shared”, “take picture”, and “my profile”.*

*This application runs fine for a stable performance with heap memory usage ratio of 46.10%. This application is best used with a 3G network. To produce a tilt-shift filter quickly less than 5 seconds, the user needs to use the device with a 1.2GHz processor and a RAM of at least 1 GHz. As well as the resulting filter is pretty good with the value of 2.97 of 4 scale by comparison of the actual lens. To enhance the photo looks like a miniature, users need the ability to train in the field of photography.*

**Keywords :** *Mobile Application, Photography, Image filter, Tilt-Shift, Android*