# ABSTRACT

Alvin Darmasanjaya / 59150214/ 2019 / Implementation of Monitoring System in Android-Based Thesis Guidance (A Case Study at Institut Bisnis dan Informatika Kwik Kian Gie) / Budi Wasito, S.Kom., M.M., M. Kom.

The development of technology today is growing rapidly, a lot of these technologies help our daily work. Technology has also entered into various fields, for example education. In the world of education we are helped by E-Learning, which is easily accessed by using a smartphone. But right now there is still no direct monitoring of the progress of the final project.

Making this application will use React Native-based Android. In the application will contain information and also input from students. In storing information and inputs from students, this application is associated with MySQL as a storage media. Student input results are an important role in the course of this application.

This research was conducted using qualitative methods and system development methods Waterfall. Data collection techniques used by directly observing the passing of the guidance the final project and also conducted interviews structured with the parties concerned, i.e. the Chairman of the Study Program. The study of literature through books and also journals as an enhancer of insight and information for this study.

The depiction of the system made is poured in the form of mockup, flowchart and UML. The final result of the development of this research is a monitoring system application which in its development has two user models, namely user and admin.

With the application of this monitoring system is expected to reduce or resolve existing problems. The absence of direct monitoring media will be overcome by making this application. This will be useful to the Chair of the Study Program in monitoring students majoring in the thesis process.

**Keywords**: Monitoring System, Android, React Native, Waterfall.