**ABSTRACT**

Jehane / 56150093 / 2019 / Implementation of Worker’s Vacation System on Kwik Kian Gie’s Institute Business and Informatics / Advisor: Elis Sondang D.T., S. Kom., M.M., M. Kom

In the 21th century, you must be familiar with a term called Information Technology. It’s been growing rapidly becoming faster and more complex in the last ten years. Slowly but surely the majority of live style in our society are going to depends on what’s called online service and leaving the traditional method behind.

I did this research because of the problems where the old or conventional vacation service feels not optimal also the time used for doing a vacation submission is taking a lot of time. The arrangement of vacation are going to be more complicated as the number of the workers increase while the workers on the HRD is limited.

This Research is done using React Native as the framework, using JavaScript programming language, using MySQL database with phpMyAdmin and using Visual Studio Code as the tools to developing this application. The development using rapid software as the system developing method in this particular research.

The data and the requirement about users is collected with unstructured interview with one of the part of HRD in an Institute in Jakarta, Observation on Institute business and information Kwik Kian Gie, and literature review like journals, study case, website, and other research around the same field that done beforehand

The design of this system will include the architecture of the system, flowchart, also UML diagram that contains entity relationship diagram, activity diagram, use case diagram, the menu structure, also the mockup design, and the system interface that been developed

This Mobile Application System for vacation purpose is made to give a solution in form of online vacation system on android operation system so that the vacation can be done everywhere and faster to ease the workers or the manager that responsible for the vacation of their subordinate

**Kata Kunci:** *Rapid Software Development*, vacation system, Android, React Native