ABSTRACT

As technology develops and the population increases, it will be a problem to make elections to come directly to the location, one of which is the village head election which causes a gathering point and many queues.

Utilizing advances in technology can facilitate the remote election process, so that it is fast and accurate without having to visit the place where the village head election is taking place. Therefore, in this thesis, an android-based VOTING-Q application is built with the aim that elections can be done online. So that the design of this e-Voting system can be a solution for implementing village head elections that can be done anywhere and anytime quickly and accurately.

In this study, application design was carried out using the React Native framework configured with firebase as the database. In its development, the VOTING-Q application was designed using Visual Studio Code as the platform and the JavaScript programming language. So that it is hoped that it can help the problem of selecting village heads in designing and developing the VOTING-Q application.

After the system has been created, it is continued with testing using functional testing and non-functional testing. From the results of functional testing that has been carried out, it is known that the designed application can work well from the admin and user side, as well as testing the functionality of the database. As for non-functional testing that has been carried out using compatibility testing, it is known that the designed application can work from various types of Android smartphones.

Keywords: *E-Voting System, Application, Android, Firebase, React Native*