ABSTRACT

The development of the E-Voting application is a significant step in modernizing the general election process. This research aims to design and implement an electronic voting system that is safe, transparent and efficient. This application is expected to increase voter participation and reduce the risk of fraud in elections.

This study includes technical, economic, legal, environmental and social analyzes related to the implementation of E-Voting. Technical aspects include application design, data security, system scalability, and election process integrity. The economic analysis considers development and operational costs, as well as potential cost efficiencies compared to traditional selection methods. From a legal perspective, this research emphasizes the importance of compliance with regulations to protect voter privacy and rights.

In addition, the environmental aspect addresses the impact of energy consumption and e-waste management, while the social aspect highlights the importance of technological inclusion and accessibility for the entire society.

The app uses blockchain technology to ensure the security and integrity of votes, as well as other features designed to increase public trust in the digital voting process. It is hoped that the results of this research can be a reference for developers and stakeholders in developing effective and reliable E-Votingsolutions.

Keywords: *Blockchain, E-voting, Technology*