

ABSTRACT

Along with the rapid development of information technology, software developers often face obstacles in the form of anomalies in the code structure that can result in security vulnerabilities and system errors. This research applies a prototyping method to design a system that can not only detect anomalies in files, but also on folders, making it easier for users in the data input process. The app comes with a search feature that allows users to quickly find specific keywords. It focuses on anomaly detection with file extensions such as TXT and XML and can detect 5 programming languages that are commonly used in mobile app creation, such as Kotlin, C/C++, Java, and Python. This research is expected to improve efficiency and security in software development. The results of the study show that the system has been successfully developed with effective anomaly detection capabilities and the implementation of search features that make it easier for users, thus making a significant contribution to improving the quality of the resulting software.

Keywords : Anomaly Detection, Mobile Application, Prototyping, Program Code, Security