

ABSTRACT

The widespread use of fiber optics at Tasikmalaya requires a management system. for key security in the ODC. To open and close the ODC technicians need approval by the admin or PIC (Person In charge), With so many STO in Tasikmalaya it is not effective if the technician does the approval manually.

Based on the above problems, this final project will create a key security management system on ODC with telegram bot. Telegram bot is a special Telegram account designed to handle data and messages automatically. The Telegram bot in this Final Project was created using Google Apps Script which is a special programming language for Google Sheets provided by Google. The method used in the process of making this telegram bot is to use the webhook method, which means the bot server is on hosting and must use https. This Telegram bot utilizes the Telegram Bot API for the design process.

The result of this Final Project is the proper functioning of telegram bots and has a 100% success rate, all features can run according to the expected results. The results of the performance test by measuring the response time of the bot obtained the average result of the overall response time of 1.1 seconds, and the results of the subjectivity test obtained results of 81.7% of respondents rated this application as Very Good

Keywords: ODC, Security, Telegram Bot.