ABSTRACT

Android-Based Application For Book Digitization is an application that can be used by Mitra Netra Foundation volunteers to simplify the book digitization process. Digitization is doing a book scan process by way of photos on the page of books that will automatically become a text book to digital text. The process of digitization is done by using Optical Character Recognition (OCR) system. This application can also arrange the pages of the book into a unified whole, and change the pages of digital books into AudioBook using Text-To-Speech (TTS) system. Digit application built using android studio using java programming. The method used for application development using waterfall method. Application testing is used with Black Box Testing and User Acceptance Testing (UAT) testing methods. The results of this application development is expected to be used by Mitra Netra Foundation volunteers.

Keywords: Digitization, Scan, Optical Character Recognition (OCR), AudioBook, Text-To-Speech (TTS)