

ABSTRACT

Posyandu currently has an important role to support public health services. This role of Posyandu as one form of health efforts for community resources. With the mobile application Posyandu (mPosyandu) can help in the logging activities conducted Posyandu, but in the application that has been created previously there are some obstacles such as the search stage of the toddler data that has been applied is still manual, limited Posyandu registration, and no display of active toddler data.

So to solve the problem, added Quick Response Code (QR Code) in mPosyandu application. This QR Code is designed using the PHP Framework Codeigniter language generated from a web based QR Code generator. MPosyandu application is designed on Android studio, with minimum limit Operating System API 19 or Android version 4.4 (KitKat) and target version of API 29 or Android version 10 (Android Q).

MPosyandu application with QR Code feature is able to search the toddler data quickly and precisely. File size mPosyandu. APK application is 5.31 MB. This QR Code feature can perform readings at an optimal angle of 0 ° or 360 ° with an optimal distance of 55 cm for indoor and 40 cm for outdoor. The registration that can be done on mPosyandu application becomes unlimited and can display the active toddler data.

Keywords: QR Code, Operating System, Framework Codeigniter, Android Studio.