ABSTRACT

Health care facilities are at the forefront of dealing with health problems in the community due to the COVID-19 pandemic. The role of puskesmas needs to be strengthened in terms of prevention, detection and response in accordance with their authority as first-level health care facilities, because with the COVID-19 pandemic, services at the puskesmas level cannot run optimally to reduce COVID-19 transmission. The Puskesmas was forced to reduce the number of examination queues so that patients would not crowd and also to reduce direct interaction between health workers and patients.

To overcome this problem, an application was designed to serve patients in the Mulyaharja Public Health Center. The design of this application is made using Android Studio while Figma is used to create mockups. In this application there is an administrator who is in charge of managing patient queues, types of poly, practice schedules, managing available doctors, managing examinations, and managing health information. All data entered by the patient will be sent to the database. The database will store patient data results, store doctor data, store complaints and polyclinic data, store practice schedules, store examination data, and store health information data.

The results obtained from testing this application, it can be concluded that this application can run well, as evidenced by the appearance of the application that can adapt to various versions of Android on Android 7.1 to Android 11.0, as well as all buttons, select boxes, textboxes, and datepickers that work well. without experiencing any problems. The results obtained from the questionnaire concluded that the community felt helped by this application.

Keywords: Android, Application, Public Health Center, COVID-19, Health.