

DEVELOPMENT OF AN ANDROID-BASED IMMUNIZATION SCHEDULE REMINDER SYSTEM AND MONITORING TODDLER DEVELOPMENT

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ABSTRACT

This research was motivated to overcome the problem of parents' lack of attention to children's immunization schedules and the loss or damage of KIA/KMS books, as well as the negative impact on reporting by immunization officers and monitoring children's development at posyandu. The research method used is a qualitative method with a literature study and data from Posyandu Cempaka used to develop an application for a reminder system for immunization schedules and monitoring children's development. The results of this research include the development of an application which is expected to help parents control and monitor immunizations and children's development. Parents will receive notification of their child's immunization schedule and can monitor their child's development via the Android application. In addition, officers can enter child immunization data via the website, access child immunization records online, and manage and monitor the implementation of immunizations that have been carried out. By combining this approach, it is hoped that this research can provide an effective solution for parents and Posyandu staff in monitoring children's immunization.

Keywords: *Immunization, Scheduling, Reminders, Monitoring, Posyandu*