

## **ABSTRACT**

*The development of information technology has brought positive impacts in various sectors, including healthcare services. One of them is Posyandu, which is a community health center at the village or sub-district level in Indonesia. In Posyandu, the Kartu Menuju Sehat (KMS) is used to monitor the growth and development of toddlers and provide appropriate health services. However, there are still challenges in using KMS, such as manual usage that leads to difficulties in data management and error-prone recording.*

*This research aims to address these issues by designing and developing a Flutter-based mobile application that serves as a KMS monitoring system in Posyandu. The chosen development method is Iterative Incremental, allowing gradual development and improvements based on user feedback.*

*The application features toddler growth monitoring, allowing mothers to easily input growth data and view growth charts. The backend of the application will be used to store and manage toddler growth data and provide the necessary business logic to support the application's functions.*

*The result of this research will be a backend application capable of storing and managing toddler growth data effectively for KMS monitoring in Posyandu. It is expected to increase the participation of mothers and provide accurate and timely health information. Thus, this application is anticipated to make a positive contribution to improving the quality of healthcare services in Posyandu.*

***Keywords: Posyandu, KMS, Backend, Iterative Incremental, Flutter***