

**APPLICATION OF INFANT AND TODDLER HEALTH  
SERVICES IN MOBILE-BASED POSYANDU DUKU  
USING THE WATERFALL METHOD**

*Name of Student* : Ismadia Afrilianti  
*Student ID Number* : 6304201266  
*Supervisor* : Rezki Kurniati, M.Kom

**ABSTRACT**

*This study aims to develop Health Posyandu services for toddlers in Mobile-based Posyandu Duku using the Waterfall method. Posyandu is one of the important elements in public health services, especially in monitoring the health and development of toddlers and providing health education to mothers of toddlers. However, Posyandu management and services often face challenges such as time constraints, accessibility, and lack of information that can affect the effectiveness of the Posyandu program. In this study, a mobile-based Posyandu information and service system was developed using the Waterfall method. The system development process involves user requirements analysis, interface design, coding, testing, and implementation. The test results show that this Posyandu service has the potential to improve the efficiency and effectiveness of toddler health services at Posyandu.*

*Keywords: health services, Posyandu, mobile, Waterfall method.*