

ABSTRACT

Habibah Nur Amelia (22134620009)	<i>Advisor</i>
Zulfah Istiqomah (22134620027)	M. Afif Rijal Husni, S.ST., M.Kes
<i>DIII Record and Health Information</i>	NIDN. 0721019601
<i>Study Program</i>	
<i>Noor Huda Mustofa University</i>	

ELECTRONIC MEDICAL RECORD APPLICATION DESIGN IN PRIVATE MIDWIFERY PRACTICE “BUNDA” ELY SUNDUSIYAH, S.Keb.

ABSTRACT

The rapid development of information technology provides great opportunities to improve the efficiency and quality of health services, including in terms of recording and managing medical records. The Private Midwifery Practice “Bunda” Ely Sundusiyah, S.Keb. still used a manual medical record system, which causes delays in service, difficulties in searching for patient data, and the risk of document damage. Therefore, the purpose of study is to design a web-based electronic medical record application that can improve the effectiveness and efficiency of midwifery services.

The research method used was Research and Development (RnD) with a Waterfall approach, which included the stages of needs analysis, system design, implementation, testing (black box testing), and evaluation.

The result of this research was an electronic medical record information system that supported features such as user login, patient registration, recording of pregnancy services, childbirth, infants, toddlers, family planning, Informed Consent, and General Consent. The system was also equipped with access management, data backup, and patient resume printing features. The design was produced Flowcharts, Data Flow Diagrams (DFD), Entity Relationship Diagrams (ERD), and User Interface (UI) design. The programming language used was PHP with a database MySQL. Based on system testing used the black box method, all features function as intended and meet user needs.

With an integrated and digital-based system, healthcare facilities can operate more professionally, in an environmentally friendly manner, and in accordance with government regulations. In addition, this application also serves as a means of learning and implementing technology for healthcare workers in facing digital transformation in the healthcare sector.

Keywords: EMR, Information System, Private Midwifery Practice