

HEYBABY: Prenatal Care Record System with Data Visualization

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ABSTRACT

Prenatal Record Booklet or mainly known as ‘Buku Pink’ is the established method to record health information of mother-to-be and baby throughout pregnancy in Malaysia. The Prenatal Care Record System with Data Visualization is developed to provide a computerized variation of ‘Buku Pink’. This system intended to provide solution to the concern of misplacing the ‘Buku Pink’, misreading information written, and most importantly failure to remember the scheduled appointment. The objective of this project is to develop a web application For Prenatal Care Record System embedded with Data Visualization. This system able to assist pregnant ladies and medical staff to keep track of their prenatal care records, such as appointment dates, blood test results, urine test results, blood pressure, and fetus growth. Power BI dashboard is integrated to allow user to view total of birth weight by gender. User also presented with the predictions of total birth growth by state. The second objective of this study is to evaluate the prototype using User Experience Testing (UXT). 30 respondents including women aged from 18 until 36 and above with various background and medical staff. From the UXT, positive insight was attained from the respondents. Thus, it can be concluded that the objective for this study is successfully achieved.

Keywords: HEYBABY, Prenatal care record system, Data visualization, User Experience Testing (UXT)