

**PENGEMBANGAN APLIKASI SIBESTI MOBILE SEBAGAI MEDIA
PEMBERDAYAAN MASYARAKAT KADER JIDER JITENG DALAM UPAYA
MENURUNKAN KEMATIAN IBU DI KABUPATEN BANYUMAS**

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ABSTRAK

Latar belakang: Kematian ibu masih menjadi permasalahan di dunia, termasuk di Indonesia. Kabupaten Banyumas merupakan salah satu daerah dengan angka kematian ibu (AKI) yang masih tinggi, dan sebagian besar disebabkan oleh keterlambatan deteksi dini komplikasi kehamilan pada ibu hamil risiko tinggi. Penelitian ini bertujuan untuk mengembangkan dan menguji kelayakan aplikasi Sibesti Mobile sebagai media pemberdayaan kader Jider Jiteng dalam pemantauan ibu hamil risiko tinggi, serta menganalisis pengaruhnya terhadap peningkatan pengetahuan dan sikap ibu hamil serta pengetahuan kader

Metode : Jenis penelitian kuantitatif dengan metode *Research and Development* (R&D) yang dikombinasikan dengan desain kuasi eksperimen *the non equivalent control group design*. Penelitian dilaksanakan di Puskesmas Kembaran I (kelompok intervensi) dan Puskesmas Wangon I (kelompok kontrol) Kabupaten Banyumas, Jawa Tengah. Sasaran penelitian adalah 105 ibu hamil dan 14 kader Jider Jiteng yang terlibat dalam pemantauan kehamilan risiko tinggi di setiap kelompoknya. Variabel yang diteliti meliputi pengetahuan dan sikap ibu hamil, serta pengetahuan kader terkait deteksi dini kehamilan risiko tinggi. Analisis data dilakukan secara univariat dan bivariat dengan uji Wilcoxon.

Hasil penelitian: Aplikasi Sibesti Mobile dinilai sangat layak oleh para ahli dan pengguna, serta dilengkapi fitur yang mendukung pemantauan dan edukasi ibu hamil risiko tinggi. Hasil pada kelompok intervensi menunjukkan bahwa penggunaan aplikasi berpengaruh signifikan terhadap peningkatan pengetahuan ibu hamil ($p < 0,001$), sikap ibu hamil ($p < 0,001$), dan pengetahuan kader ($p = 0,010$).

Kesimpulan: Aplikasi Sibesti Mobile layak digunakan dan efektif dalam meningkatkan pengetahuan serta sikap pengguna terkait deteksi dini komplikasi kehamilan dalam upaya penanganan dan penurunan kejadian kematian ibu di Kabupaten Banyumas.

Kata kunci: kematian ibu, kehamilan risiko tinggi, aplikasi kesehatan, kader, Sibesti Mobile

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DEVELOPMENT OF THE SIBESTI MOBILE APPLICATION AS A COMMUNITY EMPOWERMENT TOOL FOR JIDER JITENG CADRES IN REDUCING MATERNAL MORTALITY IN BANYUMAS REGENCY

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ABSTRACT

Background: Maternal mortality remains a global health problem, including in Indonesia. Banyumas Regency is one of the regions with a high maternal mortality rate (MMR), mostly caused by delays in the early detection of pregnancy complications among high-risk pregnant women. This study aims to develop and assess the feasibility of the Sibesti Mobile application as a tool for empowering Jider Jiteng cadres in monitoring high-risk pregnancies, and to analyze its effect on improving the knowledge and attitudes of pregnant women, as well as the knowledge of cadres.

Methods: This quantitative research employed the Research and Development (R&D) method combined with a quasi-experimental design using a the non equivalent control group design. The study was conducted at Kembaran I Primary Health Center (intervention group) and Wangon I Primary Health Center (control group), Banyumas Regency, Central Java. The research subjects included 105 pregnant women and 14 Jider Jiteng cadres involved in high-risk pregnancy monitoring in each group. The variables studied were the knowledge and attitudes of pregnant women, and the knowledge of cadres regarding early detection of high-risk pregnancies. Data analysis was conducted using univariate and bivariate analysis with the Wilcoxon signed-rank test.

Results: The Sibesti Mobile application was rated highly feasible by both experts and users, and is equipped with features that support the monitoring and education of high-risk pregnant women. In the intervention group, the use of the application significantly improved pregnant women's knowledge ($p < 0.001$), attitudes ($p < 0.001$), and cadres' knowledge ($p = 0.010$).

Conclusion: The Sibesti Mobile application is feasible and effective in improving users' knowledge and attitudes regarding early detection of pregnancy complications, as part of efforts to manage and reduce maternal mortality in Banyumas Regency.

Keywords: maternal mortality, high-risk pregnancy, health application, cadre, Sibesti Mobile

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