

ABSTRAK

Latar Belakang: Demam Berdarah *dengue* (DBD) merupakan penyakit menular yang cukup serius. Berdasarkan Surat Edaran Dirjen P2P, disebutkan bahwa fokus utama diarahkan pada pelaksanaan tindakan pencegahan secara mandiri oleh masyarakat. Strategi ini diimplementasikan melalui program Gerakan 1 Rumah 1 Jumantik (G1R1J), yaitu sebuah inisiatif yang melibatkan partisipasi aktif setiap keluarga. Dalam pelaksanaan G1R1J, kader tidak mengetahui rekap pelaporan dari warga karena hasil pelaporan langsung ke Puskesmas. Oleh karena itu, perlukan sistem pelaporan yang mudah diakses baik oleh warga, kader, serta pihak puskesmas.

Tujuan: Merancang *prototype* aplikasi pencatatan dan pelaporan pemantauan jentik mandiri yang dapat mempermudah masyarakat dalam merekap hasil dan mempercepat proses pelaporan di Padukuhan Wonocatur, Banguntapan, Bantul.

Metode: Penelitian ini berupa *Research and Development* (RnD) dan menggunakan metode *prototyping*. Penelitian dilakukan pada bulan Februari – Juni 2025 di Padukuhan Wonocatur, Banguntapan, Bantul. Pengumpulan data dilakukan dengan tiga cara yaitu wawancara, observasi, dan studi dokumentasi.

Hasil: Penelitian ini menghasilkan *output* berupa *prototype* aplikasi I'M JUMANTIK (*Information Management* Juru Pemantau Jentik) yang dibuat sesuai identifikasi kebutuhan kemudian dilanjutkan perancangan desain cepat dengan *use case diagram*, *user flow diagram*, dan *activity diagram*. Hasil evaluasi *System Usability Scale* (SUS) menunjukkan bahwa I'M JUMANTIK termasuk dalam *grade B* dengan category "Acceptable" sehingga dapat diterima oleh pengguna.

Kesimpulan: Perancangan *prototype* aplikasi I'M JUMANTIK telah sesuai dengan kebutuhan dan dapat diterima oleh pengguna. Perancangan ini diharapkan dapat dilanjutkan menjadi aplikasi *mobile* yang dapat diunduh melalui penyedia aplikasi seperti *Play Store* atau *App Store*.

Kata Kunci: DBD, Pemantauan, Aplikasi, Pencatatan, Pelaporan, *System Usability Scale*.

ABSTRACT

Background: *Dengue Hemorrhagic Fever (DHF) is a fairly serious infectious disease. Based on the Circular Letter from the Director General of P2P, it is stated that the main focus is directed towards the implementation of self-initiated preventive measures by the community. This strategy is implemented through the program "Gerakan 1 Rumah 1 Jumentik" (G1R1J), an initiative that involves active participation from every family. In the implementation of G1R1J, cadres do not have access to the reporting recaps from residents because the reporting results are sent directly to the Community Health Center. Therefore, an easily accessible reporting system is needed for residents, volunteers, and Puskesmas staff.*

Objective: *Designing a prototype of an application for recording and reporting independent larva monitoring that can facilitate the community in summarizing results and accelerate the reporting process in Padukuhan Wonocatur, Banguntapan, Bantul.*

Method: *This riset is a Research and Development (R&D) study and utilizes the prototyping method. The research was conducted from February to June 2025 in Padukuhan Wonocatur, Banguntapan, Bantul. Data collection was carried out through three methods: interviews, observations, and document studies.*

Results: *This riset produces an output in the form of the I'M JUMENTIK application prototype (Information Management for Larva Monitoring Officers), which is developed based on identified needs. It is then followed by rapid design development using use case diagrams, user flow diagrams, and activity diagrams. The evaluation results using the System Usability Scale (SUS) indicate that I'M JUMENTIK falls within grade B with the "Acceptable" category, making it acceptable to users.*

Conclusion: *The design of the I'M JUMENTIK application prototype has been aligned with user needs and is acceptable to users. It is hoped that this design can be developed further into a mobile application that can be downloaded through app stores such as Play Store or App Store.*

Keywords: *Dengue Fever, Monitoring, Application, Recording, Reporting, System Usability Scale.*