

JULYAN RICO SAPUTRA

IMPLEMENTASI SISTEM DIMENSI PEKA (DETEKSI DINI GANGGUAN MENTAL EMOSIONAL DI KOTA PEKALONGAN) BERBASIS WEBSITE PADA DINAS KESEHATAN KOTA PEKALONGAN, di bawah bimbingan Devi Sugianti., M.Kom. dan Tri Agus Setiawan., M.Kom.

Terdiri dari 167 + xix halaman/ 108 gambar/ 29 tabel/ 2 lampiran/ 25 daftar pustaka (2017-2024)

ABSTRAK

Dinas Kesehatan Kota Pekalongan menyelenggarakan program skrining gangguan mental emosional melalui pendekatan aktif ke sekolah dan masyarakat menggunakan metode SDQ (Strengths and Difficulties Questionnaire). Namun, pelaksanaan skrining masih dilakukan secara manual menggunakan kertas kuisioner, yang menyebabkan proses pengolahan data menjadi lambat, rentan kesalahan, dan menyulitkan tindak lanjut hasil skrining. Untuk mengatasi permasalahan tersebut, dibangunlah sistem Dimensi PEKA (Deteksi Dini Gangguan Mental Emosional) berbasis website. Sistem ini bertujuan membantu petugas dalam proses skrining, pengolahan data, serta penyampaian hasil dan rekomendasi secara otomatis kepada responden. Pengembangan sistem menggunakan metode waterfall, dengan tahapan mulai dari analisis kebutuhan, perancangan, implementasi, hingga pengujian sistem menggunakan metode White Box, Black Box, dan User Acceptance Test (UAT). Hasil pengujian menunjukkan bahwa sistem mempermudah proses skrining dan pengelolaan data, serta mendapat tingkat kepuasan pengguna sebesar 82,43%. Sistem ini diharapkan menjadi platform gratis yang dapat digunakan oleh remaja untuk mengecek kondisi mental emosionalnya secara mandiri. Meskipun demikian, sistem masih perlu dikembangkan lebih lanjut, terutama dalam fitur pelacakan tindak lanjut pasca-skrining dan pengembangan ke platform mobile agar lebih fleksibel diakses oleh pengguna.

Kata Kunci : Kesehatan Mental, Dimensi PEKA, Laman Web

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IMPLEMENTATION OF THE WEBSITE-BASED SYSTEM OF THE PEKA DIMENSION (EARLY DETECTION OF EMOTIONAL MENTAL DISORDERS IN PEKALONGAN CITY) AT THE HEALTH OFFICE OF PEKALONGAN CITY, under the guidance of Devi Sugianti., M.Kom. and Tri Agus Setiawan., M.Kom.

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ABSTRACT

The Pekalongan City Health Office is implementing a screening program for mental and emotional disorders through an active approach to schools and communities using the SDQ (Strengths and Difficulties Questionnaire). However, screening is still conducted manually using paper questionnaires, which slows down data processing, is prone to errors, and complicates follow-up on screening results. To address these issues, a website-based Dimensi PEKA (Early Detection of Mental and Emotional Disorders) system was developed. This system aims to assist officers in the screening process, data processing, and automatically conveying results and recommendations to respondents. The system was developed using the waterfall method, with stages ranging from needs analysis, design, implementation, and system testing using White Box, Black Box, and User Acceptance Test (UAT) methods. Test results showed that the system simplifies the screening and data management process and achieved a user satisfaction rating of 82.43%. This system is expected to be a free platform that adolescents can use to independently check their mental and emotional conditions. However, the system still needs further development, particularly in the post-screening follow-up tracking feature and development to a mobile platform for more flexible user access.

Keywords : Mental Health, DIMENSI PEKA, Website