

APLIKASI PENGADUAN MAHASISWA ANTI *BULLYING* DAN KEKERASAN BERBASIS ANDROID

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ABSTRAK

Bullying dan kekerasan di lingkungan perguruan tinggi masih menjadi permasalahan yang memerlukan perhatian serius. Proses pelaporan yang masih dilakukan secara manual menyebabkan mahasiswa enggan melapor karena khawatir identitasnya diketahui serta tidak dapat memantau perkembangan penanganan kasus. Berdasarkan hasil wawancara dengan Biro Kemahasiswaan Politeknik Negeri Bengkalis dan penyebaran kuesioner kepada 21 mahasiswa, sebanyak 57,1% responden menyatakan tidak berani melaporkan kasus bullying dan kekerasan, dengan alasan utama takut identitas diketahui serta kurang percaya terhadap sistem pelaporan yang ada. Implementasi aplikasi menggunakan Flutter dengan bahasa pemrograman Dart, serta pengelolaan basis data menggunakan MySQL melalui XAMPP. Pengujian sistem dilakukan menggunakan metode Black Box Testing untuk memastikan seluruh fungsi aplikasi berjalan sesuai kebutuhan. Hasil penelitian menunjukkan bahwa aplikasi yang dikembangkan mampu menyediakan fitur registrasi dan login pengguna, pelaporan kasus secara anonim, unggah bukti berupa foto, pemantauan status laporan secara real-time, riwayat laporan, serta pengelolaan laporan oleh pihak Biro Kemahasiswaan. Berdasarkan hasil pengujian, seluruh fitur utama aplikasi berfungsi sesuai dengan yang diharapkan. Aplikasi ini diharapkan dapat meningkatkan keberanian mahasiswa dalam melaporkan kasus bullying dan kekerasan serta membantu pihak kampus dalam mengelola laporan secara lebih efektif, terstruktur, dan transparan sehingga mendukung terciptanya lingkungan kampus yang aman dan bebas dari bullying maupun kekerasan.

Kata kunci: Bullying, Kekerasan, Android, Flutter, Sistem Pengaduan, Black Box Testing.

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ABSTRACT

Bullying and violence in higher education institutions remain serious issues that require immediate attention. The reporting process, which is still conducted manually, discourages students from reporting incidents due to concerns about the disclosure of their identities and the inability to monitor the progress of case handling. Based on interviews conducted with the Student Affairs Office of Politeknik Negeri Bengkalis and a questionnaire distributed to 21 students, 57.1% of the respondents stated that they were reluctant to report bullying and violence cases. The main reasons were fear of identity disclosure and a lack of trust in the existing reporting system. The application was developed using the Flutter framework with the Dart programming language, while MySQL database management was implemented through XAMPP. System testing was carried out using the Black Box Testing method to ensure that all application functions operated according to the specified requirements. The results show that the developed application provides user registration and login features, anonymous case reporting, photo evidence upload, real-time report status tracking, report history, and report management by the Student Affairs Office. Based on the testing results, all main features of the application functioned as expected. The application is expected to encourage students to report bullying and violence cases more confidently while assisting the university in managing reports more effectively, systematically, and transparently, thereby supporting the creation of a safer and bullying-free campus environment.

Keywords: Bullying, Violence, Android, Flutter, Reporting System, Black Box Testing.