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**APLIKASI WEBSITE E-RAPOR SEBAGAI TEKNOLOGI TEPAT GUNA  
DALAM MANAJEMEN PENILAIAN DI BIMBINGAN BELAJAR  
KEDINASAN CITRA BHAKTI PERTIWI BATANG,**

di bawah bimbingan Satriedi Wahyu Binabar, M.Kom. dan Nurul Amalia, M.Kom.  
82 + xiii halaman / 20 gambar / 10 tabel / 10 pustaka

**ABSTRAK**

*Penelitian ini bertujuan untuk merancang dan membangun aplikasi website e-Rapor sebagai teknologi tepat guna dalam mendukung manajemen penilaian di Bimbingan Belajar Kedinasan Citra Bhakti Pertiwi Batang. Permasalahan yang dihadapi adalah proses pengelolaan nilai yang masih dilakukan secara manual menggunakan spreadsheet sehingga berpotensi menimbulkan kesalahan penginputan, keterlambatan rekapitulasi, kesulitan pencarian data, serta belum tersedianya akses informasi nilai secara real-time bagi siswa. Kondisi tersebut menyebabkan proses administrasi penilaian menjadi kurang efektif, efisien, dan terintegrasi. Metode pengumpulan data yang digunakan meliputi observasi dan wawancara. Pengembangan sistem menggunakan metode Waterfall yang terdiri atas tahap analisis kebutuhan, perancangan sistem, implementasi, pengujian, deployment, dan maintenance. Aplikasi dikembangkan berbasis website menggunakan framework CodeIgniter 4, bahasa pemrograman PHP, serta database MySQL. Sistem menyediakan tiga hak akses utama, yaitu admin, guru, dan siswa. Admin dapat mengelola data master dan pengguna, guru dapat melakukan pengelolaan nilai dan absensi, sedangkan siswa dapat melihat nilai, mengelola profil, serta mencetak rapor digital. Pengujian sistem dilakukan menggunakan metode White Box Testing, Black Box Testing, dan User Acceptance Test (UAT) untuk memastikan fungsi sistem berjalan sesuai kebutuhan pengguna. Hasil penelitian menunjukkan bahwa aplikasi website e-Rapor mampu meningkatkan efektivitas pengelolaan nilai, meminimalkan kesalahan penginputan data, mempercepat proses pelaporan hasil belajar, serta memudahkan siswa dalam mengakses informasi akademik secara cepat, akurat, dan terintegrasi. Implementasi sistem ini diharapkan dapat menjadi solusi teknologi tepat guna yang mendukung digitalisasi manajemen penilaian pada lembaga pendidikan nonformal.*

**Kata kunci:** *E-Rapor, Website, Teknologi Tepat Guna, Manajemen Penilaian, Waterfall, CodeIgniter 4.*

RIFQIH ARIO PRASETYO, 22.240.0163

**E-RAPOR WEBSITE APPLICATION AS AN APPROPRIATE TECHNOLOGY FOR ASSESSMENT MANAGEMENT AT CITRA BHAKTI PERTIWI BATANG OFFICIAL EDUCATION TUTORING CENTER,**

supervised by Satriedi Wahyu Binabar, M.Kom. dan Nurul Amalia, M.Kom.

82 + xiii halaman / 20 gambar / 10 tabel / 10 pustaka

**ABSTRACT**

*This study aims to design and develop an e-Rapor website application as an appropriate technology to support assessment management at Citra Bhakti Pertiwi Batang Official Education Tutoring Center. The main problem identified is that student assessment management is still carried out manually using spreadsheets, resulting in data entry errors, delays in grade recapitulation, difficulties in data retrieval, and the absence of real-time access to academic information for students. These conditions reduce the effectiveness, efficiency, and integration of the assessment management process. Data were collected through observation and interviews. The system was developed using the Waterfall software development method, which consists of requirement analysis, system design, implementation, testing, deployment, and maintenance. The application was developed as a web-based system using the CodeIgniter 4 framework, PHP programming language, and MySQL database. The system provides three primary user roles: administrator, teacher, and student. Administrators manage master data and user accounts, teachers manage grades and attendance, while students can access their grades, update their profiles, and print digital report cards. System testing was conducted using White Box Testing, Black Box Testing, and User Acceptance Testing (UAT) to ensure that all system functions met user requirements. The results indicate that the e-Rapor website application improves the effectiveness of assessment management, minimizes data entry errors, accelerates the reporting process, and enables students to access academic information quickly, accurately, and in an integrated manner. The implementation of this system is expected to serve as an appropriate technological solution that supports the digital transformation of assessment management in non-formal educational institutions.*

**Keywords: E-Rapor, Website, Appropriate Technology, Assessment Management, Waterfall, CodeIgniter 4.**