

ABSTRAK

Penilaian akademik menjadi salah satu komponen krusial dalam penyelenggaraan pendidikan karena berperan dalam mengukur ketercapaian pembelajaran peserta didik secara terstruktur dan terukur. Kenyataan di SMPN 1 Labang justru menunjukkan hal yang berbeda, pengelolaan nilai masih mengandalkan catatan tangan di buku atau lembar kerja biasa. Akibatnya, proses ini rawan terlambat, mudah keliru dalam pencatatan, dan menyulitkan saat data perlu dicari kembali. Atas dasar itu, penelitian ini membangun sebuah sistem informasi penilaian berbasis web untuk SMPN 1 Labang dengan pendekatan Rapid Application Development (RAD). Pendekatan ini dipilih karena pengembangannya berlangsung bertahap melalui prototype dan selalu melibatkan pengguna di setiap prosesnya. Informasi awal dikumpulkan lewat wawancara, pengamatan langsung, dan penelaahan dokumen terkait alur penilaian di sekolah. Tiga metode dipakai untuk menguji kelayakan sistem, yaitu Black Box Testing guna memastikan fungsi berjalan sesuai harapan, SUS untuk melihat seberapa mudah dan nyaman sistem digunakan, serta TBE untuk menilai seberapa efisien waktu yang dibutuhkan pengguna. Skor SUS rata-rata mencapai 90,08, masuk Grade A dengan predikat Excellent dan status Acceptable. Sementara nilai TBE rata-rata 0,0558 goals/second menunjukkan sistem bekerja dengan cepat. Pada akhirnya, sistem ini berhasil menyederhanakan pencatatan dan pengolahan nilai, menjaga data tetap akurat, serta membuat laporan akademik lebih mudah disajikan dan dipertanggungjawabkan.

Kata Kunci: Sistem Informasi, Penilaian Akademik, *Rapid Application Development (RAD)*, *System Usability Scale (SUS)*, *Time Based Efficiency (TBE)*.

ABSTRACT

Academic assessment is a crucial component of the educational process because it plays a role in measuring students' learning outcomes in a structured and measurable way. However, the reality at SMPN 1 Labang tells a different story: grade management still relies on handwritten notes in books or standard worksheets. Consequently, this process is prone to delays, prone to errors in recording, and makes it difficult to retrieve data when needed. Based on this, this study developed a web-based assessment information system for SMPN 1 Labang using the Rapid Application Development (RAD) approach. This approach was chosen because its development proceeds in phases through prototypes and consistently involves users at every stage. Initial information was gathered through interviews, direct observation, and a review of documents related to the school's assessment workflow. Three methods were used to test the system's feasibility: Black Box Testing to ensure functions operate as expected, SUS to assess how easy and comfortable the system is to use, and TBE to evaluate how efficiently users' time is utilized. The average SUS score reached 90,08, earning a Grade A with an "Excellent" rating. Meanwhile, the average TBE score of 0.0558 goals/second indicates the system operates quickly. Ultimately, this system has successfully simplified grade recording and processing, ensured data accuracy, and made academic reports easier to present and account for.

Keywords: Information System, Academic Assessment, Rapid Application Development (RAD), System Usability Scale (SUS), Time-Based Efficiency (TBE).