

Ilham Akbar Dyransyha, 2026. Pengembangan Sistem Informasi Bursa kerja Khusus Berbasis Website Di SMKS 17 Agustus 1945 Surabaya, Skripsi, Program Studi Pendidikan Informatika (PIF), Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing : Prita Dellia, S.Kom., M.Kom.

### ***ABSTRAK***

Penelitian ini dilatarbelakangi oleh proses penyebaran informasi lowongan kerja di Bursa Kerja Khusus (BKK) SMKS 17 Agustus 1945 Surabaya yang masih dilakukan secara manual sehingga kurang efektif dalam penyampaian informasi dan pengelolaan data pelamar. Penelitian ini bertujuan untuk mengembangkan Sistem Informasi Bursa Kerja Khusus (BKK) berbasis website serta mengetahui tingkat kelayakan sistem yang dikembangkan. Metode penelitian yang digunakan adalah Research and Development (R&D) dengan model pengembangan Waterfall yang meliputi tahapan *requirements definition, system and software design, implementation and unit testing, integration and system testing*, serta *operation and maintenance*. Sistem dikembangkan menggunakan framework Laravel, bahasa pemrograman PHP, dan basis data *MySQL*, sedangkan pengujian dilakukan berdasarkan standar ISO 25010 yang mencakup aspek *functional suitability, usability, portability*, dan *performance efficiency*. Hasil penelitian menunjukkan bahwa Sistem Informasi Bursa Kerja Khusus (BKK) berbasis website berhasil dikembangkan dengan dua hak akses, yaitu admin dan pengguna (siswa/alumni), sehingga mampu mempermudah pengelolaan data, penyebaran informasi lowongan kerja, serta proses pendaftaran kerja secara daring. Hasil pengujian menunjukkan aspek *functional suitability* memperoleh persentase 100% (diterima), *usability* memperoleh skor SUS 76,01 dengan kategori Good, Grade B, dan Acceptable, aspek *portability* memperoleh tingkat keberhasilan 100%, sedangkan aspek *performance efficiency* memperoleh *GTMetrix* Grade B dengan nilai Performance 77%, Structure 93%, dan Largest Contentful Paint (LCP) sebesar 2,0 detik. Berdasarkan hasil tersebut, sistem dinyatakan layak digunakan sebagai media pengelolaan dan penyebaran informasi lowongan kerja di SMKS 17 Agustus 1945 Surabaya.

**Kata-Kata Kunci :** Sistem Informasi, Bursa Kerja Khusus (BKK), Website, Lowongan kerja, laravel, Waterfall, ISO 25010.

Ilham Akbar Dyransyha, 2026. *Development of a Website-Based Special Job Exchange Information System at SMKS 17 Agustus 1945 Surabaya*, Undergraduate Thesis, Informatics Education Study Program (PIF), Faculty of Teacher Training and Education, University of Trunodjoyo Madura. Supervisor: Prita Dellia, S.Kom., M.Kom.

### **ABSTRACT**

*This research was motivated by the manual process of disseminating job vacancy information at the Special Job Exchange (BKK) of SMKS 17 Agustus 1945 Surabaya, which resulted in inefficiencies regarding information delivery and applicant data management. The study aimed to develop a website-based Special Job Exchange (BKK) information system and to assess the feasibility of the developed system. The research employed the Research and Development (R&D) method using the Waterfall development model, comprising the stages of requirements definition, system and software design, implementation and unit testing, integration and system testing, and operation and maintenance. The system was developed using the Laravel framework, the PHP programming language, and a MySQL database, while testing was conducted based on the ISO 25010 standard, covering aspects of functional suitability, usability, portability, and performance efficiency. The results indicate the successful development of a website-based Special Job Exchange (BKK) information system featuring two access levels—admin and user (students/alumni) thereby facilitating data management, job vacancy information dissemination, and the online job application process. Testing results showed that the functional suitability aspect achieved a 100% rating (accepted); usability achieved a System Usability Scale (SUS) score of 76.01 (categorized as Good, Grade B, and Acceptable); portability achieved a 100% success rate; and performance efficiency achieved a GTMetrix Grade B, with scores of 77% for Performance, 93% for Structure, and a Largest Contentful Paint (LCP) of 2.0 seconds. Based on these findings, the system is deemed suitable for use as a medium for managing and disseminating job vacancy information at SMKS 17 Agustus 1945 Surabaya.*

**Keyword :** *Information Systems, Special Job Exchange (BKK), Website, Job Vacancies, Laravel, Waterfall, ISO 25010.*