

ABSTRAK

Faris Zaki Atmaja. 2026. Rancang Bangun Sistem Informasi Manajemen Pada Bengkel Dika Motor Berbasis *Website*. *Skripsi*. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Slamet Riyanto, S.T., M.M. (II) Fatim Nugrahanti, S.T., M.T.

Bengkel Dika Motor masih mengelola data servis, data pelanggan, dan persediaan suku cadang secara manual sehingga rentan terhadap kesalahan pencatatan, ketidaksesuaian stok, dan keterlambatan laporan. Penelitian ini bertujuan merancang dan membangun Sistem Informasi Manajemen berbasis *website* yang mengelola data servis, suku cadang, dan keuangan secara terintegrasi. Sistem dikembangkan menggunakan metode *Waterfall* dengan bahasa pemrograman PHP, *framework* Laravel, dan basis data MySQL, serta dilengkapi fitur data master, transaksi servis, *Point of Sale* (POS), pengelolaan stok, dan laporan keuangan. Pengujian *Black Box* menunjukkan seluruh fitur berjalan valid tanpa kesalahan, sedangkan pengujian *System Usability Scale* (SUS) terhadap 29 responden memperoleh nilai 79,1 (grade A-, kategori *Excellent*). Dengan demikian, sistem terbukti mampu menggantikan pencatatan manual serta meningkatkan efektivitas, efisiensi, dan akurasi pengelolaan data pada Bengkel Dika Motor.

Kata Kunci : Sistem Informasi Manajemen, Bengkel, *Website*, *Waterfall*, *System Usability Scale*.

ABSTRACT

Faris Zaki Atmaja. 2026. *Design and Development of a Website-Based Management Information System at Bengkel Dika Motor*. Undergraduate Thesis. Informatics Engineering Study Program, FT, Universitas PGRI Madiun. Advisors (I) Slamet Riyanto, S.T., M.M. (II) Fatim Nugrahanti, S.T., M.T.

Bengkel Dika Motor still manages its service records, customer data, and spare-part inventory manually, making it prone to recording errors, stock discrepancies, and delayed reporting. This research aims to design and develop a website-based Management Information System that manages service, spare-part, and financial data in an integrated manner. The system was developed using the Waterfall method with the PHP programming language, the Laravel framework, and a MySQL database, and provides features for master data, service transactions, a Point of Sale (POS) system, stock management, and financial reports. Black Box Testing showed that all features ran validly without errors, while System Usability Scale (SUS) testing involving 29 respondents obtained a score of 79.1 (grade A-, Excellent category). Thus, the system is proven capable of replacing manual recording and improving the effectiveness, efficiency, and accuracy of data management at Bengkel Dika Motor.

Keywords : Management Information System, Workshop, Website, Waterfall, System Usability Scale.