ABSTRAK

Di era digitalisasi, adopsi teknologi menjadi krusial bagi PT XYZ guna mempertahankan daya saing dalam industri pelayaran dan logistik. Saat ini, kegiatan pengelolaan *invoice* milik Vendor selaku penyedia jasa atas kegiatan bisnis PY XYZ sudah memanfaatkan sistem namun masih bersifat manual sehingga belum berjalan efisien dan minim transparansi. Penelitian ini bertujuan untuk merancang dan membangun sistem informasi portal *invoice* terpusat berbasis *web* untuk menciptakan tata kelola *invoice* yang lebih transparan dan terorganisir. Dengan penerapan metode *Rapid Application Development* (RAD), dilaksanakan pengumpulan data melalui observasi dan wawancara dengan Divisi *Operation* PT XYZ. Hasil penelitian menunjukkan bahwa sistem dengan pengembangan *framework* Laravel telah terotomatisasi dalam unggah dan monitoring status *invoice* untuk Vendor serta verifikasi, penjadwalan, dan pembayaran untuk PT XYZ. Pengujian sistem menggunakan *Black – Box Testing* menunjukkan bahwa sistem telah berjalan secara fungsional diikuti oleh hasil pengujian *User Acceptance Testing* (UAT) dengan kategori Sangat Baik. Sehingga, sistem ini dinyatakan layak diimplementasikan pengelolaan *invoice* yang lebih transparan, terstruktur, dan terorganisir dalam satu *platform* terpusat bagi PT XYZ.

Kata Kunci : *invoice*, *user acceptance testing*, perusahaan pelayaran, *rapid application development*, website

ABSTRACT

In the digital era, technology adoption is crucial for PT XYZ to maintain competitiveness in the shipping and logistics industry. Currently, managing Vendor invoices as service providers for the PT XYZ business activities, has utilized a system, but it is still manual, so it is not running efficiently and lacks transparency. This study aims to design and build a web-based centralized invoice portal information system to a more transparent and organized invoice governance. By implementing the Rapid Application Development (RAD) method, data collection carried out through observation and interviews with the Operation of PT XYZ. The results of the study show that the system with the Laravel framework development has automated invoice uploads and status monitoring for Vendors as well as verification, scheduling, and payments for PT XYZ. System testing using Black-Box Testing shows that the system has run functionally followed by the results of User Acceptance Testing (UAT) which categorized as Very Good. Therefore, this system is worthy of implementation to assist PT XYZ in managing invoices that are more transparent, structured, and organized in one centralized platform.

Keywords: invoice, user acceptance testing, rapid application development, shipping line, website