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PENGEMBANGAN SISTEM APLIKASI MONITORING KENDARAAN DINAS PERUSAHAAN BERBASIS WEB PADA BPJS KETENAGAKERJAAN CABANG PEKALONGAN, di bawah bimbingan
Arochman, S.Kom., M.Kom., and Victorianus Aries Siswanto, S.E., M.Si.
349+XXI halaman / 187 gambar / 25 tabel / 8 lampiran / 29 pustaka (2016-2024)

ABSTRAK

BPJS Ketenagakerjaan Cabang Pekalongan berlokasi di komplek perkantoran, Jl. Majapahit, Podosugih, Kec. Pekalongan Barat, Kota Pekalongan, Jawa Tengah 51111. Berdasarkan hasil wawancara dan observasi pada BPJS Ketenagakerjaan Cabang Pekalongan, terlihat kebutuhan akan pengembangan sistem monitoring kendaraan dinas yang masih bersifat manual. Pengoperasian sistem monitoring kendaraan dinas secara manual cenderung menimbulkan beberapa permasalahan mulai dari kesulitan dalam melakukan proses monitoring, masalah keterlambatan waktu, ketidakefektifan dalam pengelolaan, dan pelaporan data peminjaman, pengembalian, maupun monitoring kendaraan dinas, potensi terjadinya kecurangan dan kesalahan manusia, serta kurang memberikan informasi secara real-time, sehingga mempersulit Kepala Bidang Umum dan SDM, Peminjam, dan Satpam dalam melakukan proses monitoring, peminjaman, pengembalian, pengelolaan, dan pelaporan data peminjaman, pengembalian, maupun monitoring kendaraan dinas. Agar proses monitoring kendaraan dinas dapat berjalan dengan baik, maka dilakukan pengembangan Sistem Aplikasi Monitoring Kendaraan Dinas Perusahaan (SIDRIVER) Berbasis Web Pada BPJS Ketenagakerjaan Cabang Pekalongan dengan menggunakan metode Waterfall yang meliputi Communication, Planning, Modeling, Construction, dan Deployment. Pengujian dilakukan menggunakan metode White Box Testing, Black Box Testing, dan User Acceptance Testing (UAT). Setelah itu, dihasilkan Sistem Aplikasi Monitoring Kendaraan Dinas Perusahaan (SIDRIVER) Berbasis Web Pada BPJS Ketenagakerjaan Cabang Pekalongan yang informatif dan dapat memudahkan Kepala Bidang Umum dan SDM, Peminjam, dan Satpam dalam melakukan proses monitoring, peminjaman, pengembalian, pengelolaan, dan pelaporan data peminjaman, pengembalian, maupun monitoring kendaraan dinas.

Kata Kunci : *Sistem, Aplikasi Monitoring Kendaraan Dinas Perusahaan, Web, BPJS Ketenagakerjaan Cabang Pekalongan.*

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PENGEMBANGAN SISTEM APLIKASI MONITORING KENDARAAN DINAS PERUSAHAAN BERBASIS WEB PADA BPJS KETENAGAKERJAAN CABANG PEKALONGAN, *under the guidance of*
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349+XXI pages / 187 images / 25 tables / 8 attachments / 29 libraries (2016-2024)

ABSTRACT

BPJS Employment Pekalongan Branch is located in the office complex, Jl. Majapahit, Podosugih, District. West Pekalongan, Pekalongan City, Central Java 51111. Based on the results of interviews and observations at BPJS Employment Pekalongan Branch, it is clear that there is a need to develop a manual monitoring system for official vehicles. Operating the official vehicle monitoring system manually tends to cause several problems ranging from difficulties in carrying out the monitoring process, problems with time delays, ineffectiveness in managing and reporting data on borrowing, returning and monitoring official vehicles, the potential for fraud and human error, as well as a lack of information. in real-time, making it difficult for the Head of General Affairs and Human Resources, Borrowers and Security Guards to carry out the process of monitoring, borrowing, returning, managing and reporting data on borrowing, returning and monitoring official vehicles. So that the process of monitoring official vehicles can run well, a Web-Based Company Vehicle Monitoring Application System (SIDRIVER) has been developed at BPJS Employment Pekalongan Branch using the Waterfall method which includes Communication, Planning, Modeling, Construction and Deployment. Testing was carried out using the White Box Testing, Black Box Testing and User Acceptance Testing (UAT) methods. After that, a web-based Company Service Vehicle Monitoring Application System (SIDRIVER) was produced at BPJS Employment Pekalongan Branch which is informative and can make it easier for the Head of General Affairs and HR, Borrowers and Security Guards to carry out the process of monitoring, borrowing, returning, managing and reporting loan data, returns, and monitoring of official vehicles.

Keywords: *System, Company Service Vehicle Monitoring Application, Web, BPJS Employment Pekalongan Branch.*