

MUH NAILUL AUTHOR, 22.240.0056

SISTEM INFORMASI PERENCANAAN TERINTEGRASI (SINERGI) SEBAGAI KERTAS KERJA DIGITAL DALAM PENYUSUNAN DOKUMEN PERENCANAAN PEMBANGUNAN DAERAH DI BAPPERIDA KOTA PEKALONGAN, dibawah bimbingan Eko Budi Susanto, M.Kom., dan Mosses Aidjili, M.Kom.

426 + xxii halaman / 215 gambar / 67 Tabel / 31 Pustaka (2003 – 2025)

ABSTRAK

Perencanaan pembangunan daerah merupakan proses penting dalam menentukan arah pembangunan melalui dokumen RPJPD, RPJMD, Renstra, RKPD, dan Renja. Bapperida Kota Pekalongan menggunakan Sistem Informasi Pemerintahan Daerah (SIPD), namun sistem tersebut masih memiliki keterbatasan sehingga beberapa laporan masih disusun secara manual. Selain itu, belum tersedia fitur ekspor data ke Excel dan pencatatan riwayat perubahan data, sehingga proses penyusunan laporan menjadi kurang efisien dan menyulitkan pelacakan revisi dokumen. Penelitian ini bertujuan membangun Sistem Informasi Perencanaan Terintegrasi (SINERGI) sebagai kertas kerja digital pendamping SIPD untuk membantu mengatasi keterbatasan dalam penyusunan dokumen perencanaan pembangunan daerah di Bapperida Kota Pekalongan. Sistem dikembangkan menggunakan metode SDLC model Waterfall dengan tahapan requirement, design, implementation, verification, dan maintenance. Pengumpulan data dilakukan melalui wawancara dan observasi, sedangkan perancangan sistem menggunakan UML. Implementasi sistem menggunakan framework CodeIgniter 4 dan basis data MySQL. Hasil penelitian menunjukkan bahwa SINERGI mampu membantu proses input data, penyusunan laporan otomatis dalam format PDF dan Excel, penyeragaman format dokumen, serta penyediaan fitur history perubahan data. Pengujian white box, black box, dan User Acceptance Test (UAT) menunjukkan bahwa sistem berjalan sesuai dengan kebutuhan pengguna. Dengan demikian, SINERGI dapat mendukung peningkatan efisiensi, konsistensi, dan akuntabilitas dalam penyusunan dokumen perencanaan pembangunan daerah sebagai pendamping SIPD. Pengembangan selanjutnya disarankan untuk menambahkan dukungan penyusunan dokumen RKPD dan Renja, meningkatkan responsivitas antarmuka pada perangkat mobile, serta menyediakan pengaturan hak akses pengguna yang lebih fleksibel sesuai kebutuhan unit kerja..

Kata Kunci : Sistem Informasi, Dokumen Perencanaan Daerah, CodeIgniter 4, SDLC Waterfall.

MUH NAILUL AUTHOR, 22.240.0056

SINERGI (INTEGRATED PLANNING INFORMATION SYSTEM) AS A DIGITAL WORKING PAPER IN THE PREPARATION OF REGIONAL DEVELOPMENT PLANNING DOCUMENTS AT BAPPERIDA OF PEKALONGAN CITY, under the supervision of Eko Budi Susanto, M.Kom., and Mosses Aidjili, M.Kom.

426 + xxii pages / 215 figures / 67 tables / 31 references (2003 – 2025)

ABSTRACT

Regional development planning is an important process in determining development directions through RPJPD, RPJMD, Renstra, RKPD, and Renja documents. Bapperida of Pekalongan City uses the Regional Government Information System (SIPD); however, the system still has limitations, resulting in several reports being prepared manually. In addition, SIPD does not provide Excel data export and data change history recording features, making the reporting process less efficient and revision tracking more difficult. This study aims to develop SINERGI (Integrated Planning Information System) as a digital working paper supporting SIPD to address limitations in the preparation of regional development planning documents at Bapperida of Pekalongan City. The system was developed using the Waterfall model of the System Development Life Cycle (SDLC), consisting of the requirement, design, implementation, verification, and maintenance stages. Data were collected through interviews and observations, while the system was designed using the Unified Modeling Language (UML). The system was implemented using the CodeIgniter 4 framework and MySQL database. The results show that SINERGI can support data input, automatic report generation in PDF and Excel formats, document format standardization, and data change history recording. Testing using white-box, black-box, and User Acceptance Test (UAT) methods indicates that the system operates according to user requirements. Therefore, SINERGI can support improvements in the efficiency, consistency, and accountability of regional development planning document preparation as a supporting system for SIPD. Future development is recommended to include support for the preparation of RKPD and Renja documents, improve interface responsiveness on mobile devices, and provide more flexible user access control according to the needs of each work unit.

Keywords : Information System, Regional Planning Documents, CodeIgniter 4, SDLC Waterfall.