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# **Deskripsi Perancangan Perangkat Lunak**

**untuk**

## **Sistem Perbankan**

**Versi 1.0**

**Dipersiapkan oleh**

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**11 Desember 2021**

# Dokumen Deskripsi Perancangan Perangkat Lunak Sistem

**Ian Pickup**



## **Dokumen Deskripsi Perancangan Perangkat Lunak Sistem:**

Software Engineering Jl. 1 , **PENGANTAR ILMU KOMPUTER : Pengenalan Dasar Komputer dan Teknologi**

**Informasi Terkini** Yulindawati Yulindawati, Andy Rachman, Hery Afiyadi, Randi Farmana Putra, Herlinah Herlinah, Sutariyani Sutariyani, Legito Legito, Dikwan Moeis, Agus Setiawan, Sulistyowati Sulistyowati, Iwan Adhicandra, Sahrul Ramadhan, Mohammad Humam, 2023-06-12 Buku Pengantar Ilmu Komputer adalah panduan komprehensif yang dirancang untuk membantu pembaca memahami dasar-dasar ilmu komputer. Buku ini mencakup berbagai topik termasuk pengenalan teknologi informasi dan komputer, dasar sistem komputer, perangkat keras dan lunak komputer, serta bahasa pemrograman dan keamanan komputer. Buku ini juga membahas topik yang lebih lanjut seperti brainware, sistem bilangan komputer, organisasi file komputer, dan multimedia. Pembaca akan mempelajari tentang teknologi internet terbaru seperti Big Data, Internet of Things, dan Artificial Intelligence, serta bagaimana teknologi ini akan berdampak pada masa depan teknologi komputer. Dengan gaya bahasa yang jelas dan mudah dipahami, buku ini cocok untuk para pemula yang ingin memulai perjalanan mereka di dunia ilmu komputer, atau untuk para profesional yang ingin memperluas pengetahuan mereka di bidang ini. Dengan membaca buku ini, pembaca akan memperoleh pemahaman yang lebih baik tentang dunia teknologi informasi dan komputer, serta keterampilan dan pengetahuan yang diperlukan untuk sukses di bidang ini.

*Konsep dan Implementasi Rekayasa Perangkat Lunak* Rulin Swastika, Muhamad Muslihudin, Nungsiyati dan Kanti Lestari, Judul Konsep dan Implementasi Rekayasa Perangkat Lunak, Penulis Rulin Swastika, Muhamad Muslihudin, Nungsiyati dan Kanti Lestari, Ukuran 15 x 23 cm, Tebal 176 Halaman, Cover Soft Cover, No ISBN 978 634 235 473 5, No E ISBN 978 634 235 474 2, PDF, Terbitan September 2025. S Sinopsis: Buku Konsep dan Implementasi Rekayasa Perangkat Lunak ini menyajikan pemahaman menyeluruh mengenai dasar-dasar rekayasa perangkat lunak, mulai dari pengenalan sistem sosio teknis dan sistem kritis hingga praktik merancang, membangun, dan mengelola proyek perangkat lunak. Pembaca akan diperkenalkan pada konsep desain manajemen proyek, algoritma bahasa pemrograman, serta praktik pembuatan aplikasi sederhana menggunakan Microsoft Visual Basic. Selain itu, buku ini juga membahas secara detail tentang proses perumusan kebutuhan perangkat lunak, pemodelan sistem, perancangan arsitektur, dan sistem terdistribusi hingga desain antarmuka pengguna. Tak hanya fokus pada teori, buku ini turut mengulas perkembangan metode pengembangan perangkat lunak modern, termasuk pendekatan cepat dan pemanfaatan kembali perangkat lunak untuk efisiensi. Cocok bagi mahasiswa akademisi maupun praktisi, buku ini menjadi panduan awal yang komprehensif untuk memahami dan mengaplikasikan prinsip rekayasa perangkat lunak dalam dunia nyata.

**Prosiding Seminar Nasional Sanata Dharma Berbagi "Pengembangan, Penerapan Dan Pendidikan 'Sains Dan Teknologi' Pasca Pandemi"** Yustina Sri Hartini, Antonia Brigita Putri Lefanska, Amellya Anastasya Ursia, Dominikus Arif Budi Prasetyo, Budi Sugiharto, 2022-12-20 Seminar Nasional Sanata Dharma Berbagi dengan tema Pengembangan, Penerapan dan Pendidikan Sains dan Teknologi Pasca Pandemi menghadirkan

empat pembicara utama yakni Dr Rosa Delima S Kom M Kom topik MODEL OTOMATIS UNTUK ANALISIS SPESIFIKASI DAN VALIDASI KEBUTUHAN PERANGKAT LUNAK Dr L N Harnaningrum S Si M T topik MODEL PENYIMPANAN DATA KREDENSIAL DI SMARTPHONE UNTUK MENDUKUNG TRANSAKSI MOBILE YANG AMAN Dr Iwan Binanto S Si MCs topik MODEL PENGENALAN SENYAWA KIMIA PADA LUARAN LIQUID CHROMATOGRAPY MASS SPECTROMETRY LCMS TANAMAN KELADI TIKUS dan Dr Ridowati Gunawan S Kom M T topik PENINGKATAN KUALITAS HIGH UTILITY ITEMSET MENGGUNAKAN PENDEKATAN SWARM INTELLIGENCE PADA KASUS ANALISIS KERANJANG BELANJA **Warta**

**ekonomi** ,2001 **Rekayasa Perangkat Lunak** Janner Simarmata, , **Rekayasa Perangkat Lunak** Soetam Rizky Wicaksono,2011-03-10 *Rekayasa Perangkat Lunak* merupakan sebuah bahasan wajib bagi para praktisi maupun akademisi di bidang teknologi informasi Buku teks untuk RPL yang diacu di Indonesia diasumsikan sebagai buku yang terkesan berat dan sangat tebal Secara psikologis hanya dengan melihat ketebalan buku tersebut para mahasiswa akan langsung merasa gentar untuk mempelajari RPL lebih lanjut Buku ini berusaha membahas RPL secara lebih ringan dan mengarah ke level praktis agar dapat semudah mungkin dipahami oleh para akademisi mahasiswa maupun dosen sekaligus dapat menjadi referensi yang tepat dan singkat untuk para praktisi *Rekayasa Perangkat Lunak* Achmad Jauhari; Devie Rosa Anamisa; Fifin Ayu Mufarroha,2022-12-01 buku ajar berjudul *Rekayasa Perangkat Lunak* Kami berharap buku ini bisa menjadi panduan bagi mahasiswa praktisi akademisi dan pihak terkait lainnya untuk mengetahui perkembangan dari bidang ilmu rekayasa perangkat lunak di dalam buku ini terdapat studi kasus permasalahan dalam membangun rekayasa perangkat lunak

*Rekayasa Perangkat Lunak* Yoesoep Edhie Rachmad,Lely Priska D. Tampubolon,Siska,Winny Purbaratri,I Gede Iwan Sudipa,Desyanti,Sulistianto,Migunani,Anak Agung Gede Bagus Ariana,M. Isnin Faried,Dwi Atmojo,Heru Kurniawan,2023-02-16 *Rekayasa Perangkat Lunak* atau RPL adalah suatu bidang profesi yang mendalami cara cara pengembangan perangkat lunak termasuk pembuatan pemeliharaan manajemen organisasi pengembangan perangkat lunak dan sebagainya Di dalam buku ini dijelaskan tentang Sejarah perkembangan Konsep Dasar metodologi pengembangan analisis dan desain implementasi dan testing manajemen proyek kualitas RPL Maintenance Evolution Arsitektur RPL Perangkat lunak terdistribusi perangkat lunak berbasis web serta implementasi perangkat lunak dalam kehidupan sehari hari Buku ini sangat cocok untuk Anda para mahasiswa komputer yang sedang mengambil mata kuliah *Rekayasa Perangkat Lunak Analisis dan Perancangan Sistem dan Manajemen Proyek* serta bagi para konsultan teknologi informasi **BUKU AJAR REKAYASA PERANGKAT LUNAK** Rohmatulloh Muhamad Ikhsanuddin ,Lolanda Hamim Annisa ,Dian Rusvinasari ,2025-08-21 *Rekayasa Perangkat Lunak* berisi proses dalam pengembangan perangkat aplikasi dilakukan dengan cara sistematis Materi ini berisi metode dalam pengembangan sistem tahapan tahapan pengembangan sistem yang dilakukan secara sistematis Metode pengembangan sistem memiliki peranan dalam mengimplementasikan sistem yang sedang dikembangkan agar memberikan kemudahan bagi pengembangan sistem informasi baik skala kecil maupun skala besar

Metode memiliki pengaruh dalam menghasilkan suatu perangkat lunak berdasarkan waktu yang dibutuhkan atau target output yang dihasilkan berdasarkan permintaan pengguna aplikasi Metode yang umum digunakan pada pengembangan system informasi seperti Metode Waterfall Metode Spiral Metode Prototyping Metode Rapid Application Development RAD Tahapan pengembangan system berisi proses proses yang dilalui oleh pengembang dalam membuat perangkat lunak Pada umumnya Tahapan perangkat lunak dimulai dari Identifikasi Kebutuhan Perancangan Kebutuhan Implementasi Metode Pengujian Perangkat Lunak dan diakhiri dengan proses Evaluasi hasil pengujian perangkat lunak

**Buku ajar Analisis dan Perancangan Sistem** Nirsal Nirsal, Mukhamad Fatkhur Roji, Syahriani Syam, Renita Selviana, Ari Widiyanto, I Made Agus Oka Gunawan, I Nyoman Alit Arsana, Muh. Nurtanzis Sutoyo, Wisnu Kurniadi, Ida Kumala Sari, Safwan Kasma, 2025-05-09 Buku ajar Analisis dan Perancangan Sistem disusun untuk membekali dosen dan mahasiswa dengan konsep dasar teknik dan metode terbaik dalam pengembangan sistem informasi Buku ini membahas mulai dari pengenalan analisis dan perancangan sistem pendekatan sistem hingga tahapan analisis kebutuhan Selain itu disajikan pula materi tentang penggunaan model dan alat analisis desain aliran data dan proses desain basis data serta teknik pengelolaan data yang efektif untuk mendukung pengembangan sistem berbasis kebutuhan pengguna Buku ini juga mengupas strategi pengujian evaluasi implementasi dan pemeliharaan sistem secara sistematis Pembahasan tentang manajemen proyek sistem informasi memperkuat kemampuan dalam mengelola waktu biaya dan sumber daya Tidak ketinggalan tren dan inovasi terbaru dalam dunia analisis dan perancangan sistem turut dibahas untuk memperluas wawasan mahasiswa Buku ini dirancang sebagai referensi praktis dan akademis untuk mendukung proses belajar mengajar di perguruan tinggi

**Rekayasa Perangkat Lunak** Feri Hari Utami, Asnawati, 2015-10-01 Buku kategori ilmu komputer yang berjudul Rekayasa Perangkat Lunak merupakan buku karya dari Feri Hari Utami Dan Asnawati Buku ini adalah satu bidang profesi yang mendalami cara cara pengembangan perangkat lunak termasuk pembuatan pemeliharaan manajemen organisasi pengembangan perangkat lunak dan manajemen kualitas sehingga sebagai penerapan suatu pendekatan yang sistematis disiplin dan terkuantifikasi atas pengembangan penggunaan dan pemeliharaan perangkat lunak serta studi atas pendekatan pendekatan ini yaitu penerapan pendekatan engineering atas perangkat lunak

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