

Perhitungan Balok Beton Prategang

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MOYER JAX

Reinforced Concrete Muhammadiyah University Press
Glory, the 20-year-old daughter of the prominent Sutton Family, would rather devote herself to restoring the family name than look for a potential husband...despite the constant meddling of her aunt. She decides to restore Queen's Well, the spa that's been her family's legacy, but is bothered everywhere she goes by Oberon, the arrogant duke who is visiting her town. But unbeknownst to either of them, the water in Queen's Well is working its magic on the bickering pair, slowly drawing them into each other's hearts!

Apl Rekayasa Konstruksi Vb6.0+cd HarperCollins Publishers
Profile of bridges in Indonesia.

Teknik Pelaksanaan Konstruksi Bangunan McGraw-Hill Professional

Publisher Description

Steel Structures Erlangga

Addresses key topic within bridge engineering, from history and aesthetics to design, construction and maintenance issues. This book is suitable for practicing civil and structural engineers in consulting firms and government agencies, bridge contractors, research institutes, and universities and colleges.

Prestressed Concrete Pearson

The most authoritative and feature-rich edition of On War in English Carl von Clausewitz's On War is the most significant attempt in Western history to understand war, both in its internal dynamics and as an instrument of policy. Since the work's first appearance in 1832, it has been read throughout the world, and has stimulated generations of soldiers, political leaders, and intellectuals. First published in 1976 and revised in 1984, Michael Howard and Peter Paret's Princeton edition of Clausewitz's classic work has itself achieved classic status and is widely regarded as the best translation and standard edition of On War in English. This feature-rich edition includes an essay by Paret on the genesis of Clausewitz's book, an essay by Howard on Clausewitz's influence, and an essay by Bernard Brodie on the continuing relevance of On War. In addition, Brodie provides a lengthy and detailed commentary on and guide to reading On War, and the edition also includes a comprehensive index.

Structural Concrete UPT Percetakan dan Penerbitan Polinema
Offers a historical review of the development of the telegraph network, from its invention by Samuel Morse in the nineteenth century to the present day, exploring its social, cultural, economic, and political influence on the world throughout its existence. By the author of A History of the World in 6 Glasses. Reprint.

Aplikasi Rekayasa Konstruksi Dengan Sap2000 TOHAR MEDIA
Presents the background needed for developing and explaining design requirements. This edition (the first was 1971) reflects the formal adoption by the American Institute of Steel Construction of a specification for Load and Resistance Factor Design. For

beginning and more advanced undergraduate courses in steel structures. Annotation copyrighted by Book News, Inc., Portland, OR

Wiggs's Veterinary Dentistry Erlangga

Beton memiliki kemampuan yang relatif tinggi dalam menahan gaya desak/tekan, namun lemah terhadap gaya tarik. Sebaliknya, tulangan baja memiliki kemampuan yang tinggi dalam menahan gaya tarik dibandingkan dengan beton. Tulangan baja juga dapat menahan gaya desak/tekan yang tinggi, namun umumnya memiliki kelangsingan tinggi sehingga baja terkendali oleh tekuk (buckling). Sebagai solusi untuk mengatasi kelemahan dari sifat masing-masing material, maka disusun sebuah material komposit baja dan beton yang disebut beton bertulang. Beton bertulang tersusun dari material agregat kasar (krikil/sp/it), halus (pasir), semen, dan baja. Kekuatan nominal elemen beton bertulang dapat tercapai sesuai rencana apabila perancangan dilakukan dengan tepat serta mutu setiap material penyusunnya terkontrol dengan baik dan dilaksanakan sesuai dengan perencanaannya. Perancangan struktur beton bertulang tersebut perlu mengikuti panduan yang berlaku, salah satunya yaitu buku Perancangan dan Analisis Struktur Beton Bertulang I. Buku Perancangan dan Analisis Struktur Beton Bertulang I ini disusun berdasarkan pada Tata Cara Perhitungan Struktur Beton untuk Bangunan Gedung (SNI 2847:2013) dan dalam hal tertentu mengacu pula pada ACI 318M-11. Buku Perancangan dan Analisis Struktur Beton Bertulang ini dibuat dalam rangka meningkatkan pemahaman analitik atas perancangan dan analisis balok, kolom, dan plat lantai yang dibuat dari beton bertulang menggunakan prinsip kuat batas (ultimate strength design and analysis), dengan berbagai gaya-dalam seperti momen lentur, gaya aksial, geser lentur, dan geser puntir. Materi setiap bab yang disampaikan dalam buku ini terdiri dari pengenalan komponen struktur, filosofi kerja komponen struktur, perancangan dan analisis komponen struktur, serta diikuti contoh soal dan penyelesaiannya untuk meningkatkan pemahaman.

Bamboo Research in Asia Harlequin / SB Creative

Teknik pelaksanaan konstruksi bangunan merupakan buku pengembangan dari buku-buku yang sudah terbit di antaranya yang berjudul "Manajemen Konstruksi". Buku ini mudah untuk dipahami dan dipelajari oleh pembaca atau mahasiswa. Buku ini terdiri atas enam bab yang meliputi (1) pengantar manajemen; (2) pengenalan alat berat proyek konstruksi; (3) sumber daya proyek; (4) teknik pelaksanaan konstruksi bangunan; (5) perencanaan waktu pelaksanaan proyek; (6) rencana anggaran biaya.

PCI Design Handbook CRC Press

Wiggs's Veterinary Dentistry: Principles and Practice, Second Edition is a fully updated and expanded new edition of the classic comprehensive reference for veterinary dentistry. Provides current, comprehensive information on veterinary dentistry Encompasses rudimentary tenets of the field as well as advanced techniques Presents the state-of-the-art in veterinary dentistry, with all topics fully updated, revised, and expanded to reflect

current knowledge Written by leading veterinary dental specialists and edited by luminaries in the field Includes more images and color throughout to support the text "The second edition of Wiggs's Veterinary Dentistry: Principles and Practice is an updated and comprehensive guide to all things related to the assessment, diagnosis, and treatment of the oral cavity in canine and feline patients....Overall, this book will be a good resource for any small animal practice or practitioner who performs veterinary dentistry." - JAVMA Vol 255 No. 6

Desain Beton Bertulang JI. 2 John Wiley & Sons

Providing both an introduction to basic concepts and an in-depth treatment of the most up-to-date methods for the design and analysis of concrete of structures, "Design of Prestressed Concrete" will service the needs of both students and professional engineers.

PERENCANAAN JEMBATAN BETON PRATEGANG Elex Media Komputindo

Buku ini membawa Anda dalam perjalanan mendalam ke dalam dunia rekayasa sipil, di mana kita akan menjelajahi dasar teori dan praktik perencanaan jembatan tipe PCI Girder (Prestressed Concrete I Girder). Jembatan adalah simbol kemajuan manusia dalam mengatasi rintangan alam dan mempersatukan komunitas. Mereka adalah tulang punggung infrastruktur yang memungkinkan mobilitas dan konektivitas di seluruh dunia, dan jembatan beton prategang adalah salah satu pilihan paling andal dalam membangun infrastruktur ini.

Reinforced Concrete CRC Press

This manual contains updated information on the current practices in the use, design, and construction of post-tensioning. The 6th Edition has been extensively rewritten and expanded from the 5th Edition. The Manual contains 12 new chapters that give design guidance on modern applications of post-tensioning. All of the original chapters have been totally revised and modified to reflect the current industry practices. New topics include Seismic Design, Post-Tensioned Concrete Floors, Parking Structures, Slab-on-Ground, Bridges, Stay Cables, Storage Structures, Barrier Cables, Dynamic and Fatigue, Durability, Inspection and Maintenance, and Field and Plant Certification. The Manual provides the industry standard for design and construction of post-tensioned structures. This book is an invaluable resource for practicing engineers, architects, students, educators, contractors, inspectors, and building officials. The 6th Edition of the Post-Tensioning Manual provides basic information and the essential principles of post-tensioning.

Konstruksi & Arsitektur Erlangga

This code covers the requirements for welding steel reinforcing bars in most reinforced concrete applications. It contains a body of rules for regulations of welding steel reinforcing bars and provides suitable acceptance criteria for such welds.

Composition and properties of concrete Whittles

"This book discusses the use of aluminium in structural and non-structural applications and provides an introduction to designing structures made from aluminium or aluminium alloy elements. It provides a complete ready reference to the material properties and behavior of aluminium, and its use in structural design.

Glory and the Rake UGM PRESS

Emphasizing a conceptual understanding of concrete design and analysis, this revised and updated edition builds the student's understanding by presenting design methods in an easy to understand manner supported with the use of numerous examples and problems. Written in intuitive, easy-to-understand language, it includes SI unit examples in all chapters, equivalent conversion factors from US customary to SI throughout the book, and SI unit design tables. In addition, the coverage has been completely updated to reflect the latest ACI 318-11 code.

On War John Wiley & Sons

Mata kuliah ini merupakan lanjutan mata kuliah Struktur Beton, yang memiliki konsep dasar analisis elemen struktur beton prategang. Adapun konsep dasar pemberian mata kuliah ini dimulai dari pengenalan struktur beton prategang, properti material dan spesifikasinya dalam sistem beton prategang, prinsip dasar analisis (perhitungan gaya) elemen beton prategang, pendekatan dalam desain elemen balok beton prategang (lentur, geser, torsi), kontrol defleksi, perhitungan rinci kehilangan prategang, analisis dan desain sistem beton prategang pada elemen khusus: composite member, compression member, tensile member, slab. Mata kuliah ini membahas tentang (1) Prinsip Dasar Beton Prategang, (2) Material Beton Prategang (3)Perencanaan Beton Prategang, (4) Analisis Prategang dan Tegangan Lentur (5) Kehilangan Prategang (6) Desain Penampang Beton Prategang (7) Desain Batang Lentur Pratarik dan Pascatarik .(8) Desain Geser Balok Beton Prategang

Beton prategang Van Nostrand Reinhold Company

Completely revised to reflect the new ACI 318-08 Building Code and International Building Code, IBC 2009, this popular book offers a unique approach to examining the design of prestressed concrete members in a logical, step-by-step trial and adjustment procedure. Integrates handy flow charts to help readers better understand the steps needed for design and analysis. Includes a revised chapter containing the latest ACI and AASHTO Provisions on the design of post-tensioned beam end anchorage blocks using the strut-and-tie approach in conformity with ACI 318-08 Code. Offers a new complete section with two extensive design examples using the strut-and-tie approach for the design of corbels and deep beams. Features an addition to the elastic method of design, with comprehensive design examples on LRFD and Standard AASHTO designs of bridge deck members for flexure, shear and torsion, conforming to the latest AASHTO specifications. Includes a revised chapter on slender columns, including a simplified load-contour biaxial bending method which is easier to apply in design, using moments rather than loads in the reciprocal approach. A useful construction reference for engineers.

Structural Engineer's Pocket Book British Standards Edition John Wiley & Sons

Fourteen years on from its last edition, Cable Supported Bridges: Concept and Design, Third Edition, has been significantly updated with new material and brand new imagery throughout. Since the appearance of the second edition, the focus on the dynamic response of cable supported bridges has increased, and this development is recognised with two new chapters, covering bridge aerodynamics and other dynamic topics such as pedestrian-induced vibrations and bridge monitoring. This book concentrates on the synthesis of cable supported bridges, suspension as well as cable stayed, covering both design and construction aspects. The emphasis is on the conceptual design phase where the main features of the bridge will be determined. Based on comparative analyses with relatively simple mathematical expressions, the different structural forms are quantified and preliminary optimization demonstrated. This provides a first estimate on dimensions of the main load carrying elements to give in an initial input for mathematical computer models used in the detailed design phase. Key features: Describes evolution and trends within the design and construction of cable supported bridges Describes the response of structures to dynamic actions that have attracted growing attention in recent years Highlights features of the different structural components and their interaction in the entire structural system Presents simple mathematical expressions to

give a first estimate on dimensions of the load carrying elements to be used in an initial computer input This comprehensive coverage of the design and construction of cable supported bridges provides an invaluable, tried and tested resource for academics and engineers.

Structural Concrete Prentice Hall

For one-semester, junior/senior-level and graduate courses in Reinforced Concrete in the department of civil engineering. Now reflecting the new 2008 ACI 318-08 Code and the new

International Building Code (IBC-2006), the Sixth Edition of this cutting-edge text has been extensively revised to present state-of-the-art developments in reinforced concrete. It analyzes the design of reinforced concrete members through a unique and practical step-by-step trial and adjustment procedure. The narrative is supplemented with flowcharts to guide students logically through the learning process. Ample photographs of instructional testing of concrete members decreases the need for actual laboratory testing.