
Bangunan Tropis Lippsmeier Erlangga

Pola struktural dan teknik bangunan di Indonesia

A Handbook of Sustainable Building Design and Engineering

suatu pendekatan arsitektur Indonesia melalui pattern language secara konstruktif dengan contoh arsitektur Jawa Tengah

An Integrated Approach to Energy, Health and Operational Performance

The Architects' Handbook

The Basis of Sustainable Design

Design with Climate

Design Methods for Architects

Konferensi Internasional Budaya Sunda (KIBS)

Eco-resorts

Mengenal Sistem Utilitas Bangunan

Genius Loci

A Design Guide

pengaruh bentukan arsitektur dan iklim terhadap kenyamanan thermal rumah tinggal Suku Bajo di wilayah pesisir Bajoe, Kabupaten

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Metric Handbook
Arsitektur tropis bangunan tradisional Indonesia
Ecohouse
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Lighting Design Basics
The Ecological Basis for Architectural Design
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MYA SOFIA

Pola struktural dan teknik bangunan di Indonesia

Routledge

This book goes right to the heart of what every professional and student needs to know above all - how to effectively meet real-world lighting design challenges.

A Handbook of Sustainable Building Design and Engineering

Penguin

Now in its third edition, this book provides the ideal and only reference to the physical basis of architectural design. Fully updated and expanded throughout, the book provides the data

required for architects to design buildings that will maintain the users comfort in a variety of conditions, with minimal reliance on energy intensive methods like air conditioning. This is not a 'how to' book but answers the question why. It equips the reader with the tools to realize the full potential of the good intentions of sustainable, bioclimatic design. All sections have been revised and updated for this third edition including all the most relevant developments affecting heat, light and sound controls. The book responds to the need of understanding beyond 'rules of thumb'.

suatu pendekatan arsitektur Indonesia melalui pattern language secara konstruktif dengan contoh arsitektur Jawa Tengah POLITALA PRESS (ANGGOTA APPTI)

Architects today incorporate principles of sustainable design as a matter of necessity. But the challenge of unifying climate control

and building functionality, of securing a managed environment within a natural setting—and combating the harsh forces of wind, water, and sun—presented a new set of obstacles to architects and engineers in the mid-twentieth century. First published in 1963, *Design with Climate* was one of the most pioneering books in the field and remains an important reference for practitioners, teachers, and students, over fifty years later. In this book, Victor Olgyay explores the impact of climate on shelter design, identifying four distinct climatic regions and explaining the effect of each on orientation, air movement, site, and materials. He derives principles from biology, engineering, meteorology, and physics, and demonstrates how an analytical approach to climate management can merge into a harmonious and aesthetically sound design concept. This updated edition contains four new essays that provide unique insights on issues of climate design, showing how Olgyay's concepts work in contemporary practice. Ken Yeang, John Reynolds, Victor W. Olgyay, and Donlyn Lyndon explore bioclimatic design, eco design, and rational regionalism, while paying homage to Olgyay's impressive groundwork and contributions to the field of architecture.

An Integrated Approach to Energy, Health and Operational Performance Bangunan tropis
Bangunan tropis
Bamboo
Current and Future Prospects

The Architects' Handbook provides a comprehensive range of visual and technical information covering the great majority of building types likely to be encountered by architects, designers, building surveyors and others involved in the construction industry. It is organised by building type and concentrates very much on practical examples. Including over 300 case studies, the

Handbook is organised by building type and concentrates very much on practical examples. It includes: · a brief introduction to the key design considerations for each building type · numerous plans, sections and elevations for the building examples · references to key technical standards and design guidance · a comprehensive bibliography for most building types The book also includes sections on designing for accessibility, drawing practice, and metric and imperial conversion tables. To browse sample pages please see <http://www.blackwellpublishing.com/architectsdata>

The Architects' Handbook Rizzoli International Publications
Utilitas bangunan adalah suatu kelengkapan fasilitas bangunan yang digunakan untuk menunjang tercapainya unsur-unsur kenyamanan, kesehatan, keselamatan, kemudahan, komunikasi, dan mobilitas dalam bangunan.

The Basis of Sustainable Design Yale University Press

As the need to slow climate change becomes increasingly urgent, growing numbers of people are looking to dramatically reduce the carbon footprint of their own buildings by using more ecologically sound techniques. Ecohouse provides design information about the latest low-impact materials and technologies, showcasing the newest and best 'green' solutions with international case studies demonstrating sustainable design in action around the world. This edition has been expanded to include advice on powering ecohouses using renewable energy - including wind, micro hydro and heat pumps - and an introduction to low-impact building materials such as lime, earth and hemp. New case studies from across the globe have been added to inspire readers with real-life examples of how to make an

ecohouse work.

Design with Climate Butterworth-Heinemann

Terkait Fisika Bangunan, desain arsitektur berkaitan erat dengan kenyamanan termal, visual, dan audial. Buku Fisika Bangunan 1 ini menyajikan pembahasan yang berhubungan dengan pengendalian termal serta solar chart & sirip penangkal sinar matahari (SPSM) untuk mendukung kenyamanan termal, yang dibuka oleh pembahasan iklim, cuaca, dan arsitektur. Selain itu, dibahas penghawaan alami untuk mendukung kenyamanan termal dan penerangan alami untuk mendukung kenyamanan visual. Pengendalian termal mengupas tentang konsep dan teknik terkait penerapan pengendalian termal pada bangunan dan site, yaitu strategi pengendalian termal yang meliputi shade & filter, thermal insulation, zone, green, dan cooling effect. Termasuk pemahaman kenyamanan termal dan secondary skin. Solar chart & SPSM membahas tentang konsep dan teknik terkait penerapan sirip penangkal sinar matahari (SPSM) pada bangunan, yang dirancang dengan bantuan perhitungan konversi waktu, solar chart, dan protractor. Penghawaan alami membahas tentang konsep dan teknik terkait penerapan penghawaan alami pada bangunan dan site, parameter dan standar untuk penghawaan alami, serta faktor-faktor desain arsitektur yang harus diperhatikan mengenai pergerakan udara, baik di dalam maupun di luar bangunan. Penerangan alami membahas tentang konsep dan teknik terkait penerapan penerangan alami pada bangunan, standar penerangan alami, pengukuran dan perhitungan cahaya, metode antisipasi silau, serta berbagai teknik pasif dan aktif yang diterapkan pada bangunan untuk memperoleh penerangan alami (window, clerestory window,

skylight, sloped glazing, sawtooth roof, lightwell, light shelf, prismatic skylight, fiber-optic, reflector, light tube/tubular daylighting device (TDD), dan heliostat). GRIYA KREASI

Design Methods for Architects McGraw-Hill Companies

On the architectural aspects of Minangkabau traditional house in Sumatera Barat Province, Indonesia.

Konferensi Internasional Budaya Sunda (KIBS) New York ; Toronto : McGraw-Hill Book Company

The idea of information on research and development carried out on bamboo has emerged with the paradigm shift in the area of utilization of natural fibres in various industries. Technological advancements in bamboo sustenance have involved chemical and physical modification that has led to products of high-performance index. This book provides the latest research developments in many aspects of bamboo process, manufacture and commercialization potential. Apart from the interest to facilitate a complete assessment of bamboo as well as assist readers in achieving their goals, this book is intended to be of value to both fundamental research and also to practicing scientists and will serve as a useful reference for researchers, agricultural practitioners and organizations involved in the bamboo-based industry.

Eco-resorts John Wiley & Sons

An updated guide to designing buildings that heat with the sun, cool with the wind, and light with the sky. This fully updated Third Edition covers principles of designing buildings that use the sun for heating, wind for cooling, and daylight for natural lighting. Using hundreds of illustrations, this book offers practical strategies that give the designer the tools they need to make

energy efficient buildings. Hundreds of illustrations and practical strategies give the designer the tools they need to make energy efficient buildings. Organized to quickly guide the designer in making buildings respond to the sun, wind and light.

Mengenal Sistem Utilitas Bangunan John Wiley & Sons

Buku ini ditulis untuk mengevaluasi rumah Belanda di Kota Banda Aceh dari perspektif karakter arsitektur tropis. Arsitektur tropis memiliki kemampuan alami untuk memberikan kenyamanan termal, sehingga dapat membantu mengurangi penggunaan energi secara berlebihan. Buku ini juga sebagai upaya pelestarian hunian kolonial bersejarah agar tidak hilang dimakan usia. Target khusus dari buku ini adalah agar para Arsitek dapat menerapkan karakter arsitektur tropis dalam berbagai desain bangunan sehingga mendukung perbaikan isu lingkungan melalui bangunan yang ramah lingkungan dan hemat energi. Buku ini merupakan hasil dari penelitian yang dibiayai oleh Unsyiah melalui Hibah penelitian Lektor, tahun pembiayaan 2019.

Genius Loci Syiah Kuala University Press

On vernacular architecture related to tropical climate condition in Indonesia.

A Design Guide Routledge

The combined challenges of health, comfort, climate change and energy security cross the boundaries of traditional building disciplines. This authoritative collection, focusing mostly on energy and ventilation, provides the current and next generation of building engineering professionals with what they need to work closely with many disciplines to meet these challenges. A Handbook of Sustainable Building Engineering covers: how to design, engineer and monitor a building in a manner that

minimises the emissions of greenhouse gases; how to adapt the environment, fabric and services of existing and new buildings to climate change; how to improve the environment in and around buildings to provide better health, comfort, security and productivity; and provides crucial expertise on monitoring the performance of buildings once they are occupied. The authors explain the principles behind built environment engineering, and offer practical guidance through international case studies.

pengaruh bentukan arsitektur dan iklim terhadap kenyamanan thermal rumah tinggal Suku Bajo di wilayah pesisir Bajoe, Kabupaten Bone, Sulawesi Selatan PT Penerbit IPB Press

This guide shows how the concepts used in lighting design arise from the needs of the designer and the user. These concepts are shown in a practical context to enable you to develop and improve your design skills. Through examples and exercises, this book makes it easier for the student to acquire the level of understanding, knowledge and skill required for both examinations and professional training purposes. Over the past two decades there has been an increasing emphasis on the need for architects and building professionals to have a better understanding of lighting and the ability to deal with lighting matters within the context of the built environment. Lighting is no longer considered to be primarily the province of the electrical engineer. Previously a separate subject in the professional examinations, lighting is often now found in a more general area within an architecture or building course.

Big Ideas Simply Explained Princeton University Press

Bangunan tropis
Bangunan tropis
Bamboo
Current and Future Prospects
BoD – Books on Demand

prosiding Syiah Kuala University Press

Pengenalan terhadap diagram lintasan matahari adalah salah satu point penting dalam desain arsitektur. Tentu saja sangat bermanfaat guna dapat mengetahui ukuran desain teduhan yang optimal dalam memberikan pembayangan dan manfaat lainnya. Untuk para pembaca yang ingin memperdalam bidang arsitek, bangunan, dan bidang yang berhubungan tersebut sangat membantu dalam mendesain gambar. Bahkan kita dapat mendesain bangunan yang hemat energi serta ramah terhadap lingkungan.

Proceedings of the ... National Passive Solar Conference
Routledge

History and development of Sundanese culture.

Bioclimatic Approach to Architectural Regionalism Syiah
Kuala University Press

Seperti yang disadari, saat ini kita dihadapkan pada suatu kondisi yang memaksa setiap individu untuk dapat menyesuaikan diri pada sebuah awal tatanan kehidupan yang baru. Dengan adanya wabah Covid-19, mendorong kita merubah pola kehidupan guna turut berperan dalam usaha memutus mata rantai penyebaran virus corona itu sendiri. Hal tersebut tentunya disadari pula oleh Politeknik Negeri Tanah Laut sebagai satu-satunya Pendidikan Tinggi Vokasi terkemuka di Kalimantan Selatan yang juga berperan aktif dengan melaksanakan berbagai usaha sesuai standar protokoler edaran pemerintah, seperti melaksanakan physical distancing atau social distancing, juga mensosialisasikan pencegahan Covid-19 melalui berbagai media dan secara langsung ke masyarakat, selain usaha lainnya yang bersifat praktis, seperti bantu membagikan APD kepada masyarakat

melalui kegiatan aksi mahasiswa peduli masyarakat. Tentunya kita tidak dapat berdiam diri dalam menghadapi hal ini. Dengan kerjasama seluruh stakeholder dalam mencari solusi terbaik, diharapkan kedepannya akan terbentuk suatu tatanan kehidupan baru (new normal), sebagai budaya hidup masyarakat yang lebih baik terutama terkait kebersihan dan kesehatan. Tantangan ini pula yang mendorong Politeknik Negeri Tanah Laut terus berusaha melahirkan inovasi dan terobosan baru dalam berbagai hal. Usaha penerbitan buku secara digital elektronik ini adalah merupakan suatu kegiatan yang kami anggap sangat baik, semoga mendapat tanggapan dan bermanfaat. Kami ucapkan terimakasih kepada seluruh pihak yang telah berperan serta dalam penyusunan buku digital dari berbagi perspektif keilmuan terkait wabah Covid-19 yang tengah melanda dunia, termasuk Indonesia ini. Hal ini merupakan salah satu wujud nyata Politeknik Negeri Tanah Laut untuk mengajak semua pihak berperan serta dalam penanganan Covid-19 dengan tetap menghasilkan sesuatu yang positif dalam bentuk buku edukasi terkait wabah Covid-19. Saya mengapresiasi setinggi-tingginya seluruh pihak yang dengan penuh rasa sadar dan tanggungjawab bekerja keras untuk tetap produktif dan turut andil mendukung penanganan virus corona dalam berbagai bidang. Kami menyadari masih terdapat banyak kekurangan dalam buku ini, untuk itu kritik dan saran yang membangun demi penyempurnaan buku ini sangat diharapkan. Dan semoga buku ini dapat memberikan maanfaat bagi setiap pembaca khususnya dan bagi semua pihak dari segala lapisan yang membutuhkan informasi terkait wabah Covid-19. Akhir kata saya mengajak seluruh pihak untuk bersama-sama untuk melawan Covid-19 ini,

melalui kerjasama "bakayuh baimbai, dalas hangit manyarah makaam kada" dengan mengeluarkan seluruh kemampuan untuk dapat menemukan solusi terbaik bersama-sama dan pantang menyerah.

DI BALIK WABAH COVID - 19 SUMBANGAN PEMIKIRAN DAN PERSPEKTIF AKADEMISI GRIYA KREASI

Daylighting offers a general theory and introduction to the use of natural light in architecture. The fourth of Derek Phillip's lighting books draws on his experience to illustrate how best to bring natural light into building design. As sustainability becomes a core principal for designers, daylighting comes to the fore as an

alternative to artificial, energy consuming, light. Here, Phillips makes a rational argument for considering daylight first, outlining the arguments in favour of a daylight approach, and goes on to show, through a series of beautifully illustrated case studies, how architects have created buildings in which natural light has been shown to play a major strategic role in the development of the design of a building.

Building in a South-East Asian City BoD – Books on Demand
Attempts to develop a theory of understanding architecture in concrete, existential terms, following the guidelines of Heidegger

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