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# Bangunan Tropis Lippsmeier Erlangga

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Thermal Comfort

Pengaruh Karakter Arsitektur Tropis Pada Desain Rumah Belanda

The Architects' Handbook

Jirek gadang

Bangunan tropis

Concepts in Thermal Comfort

Hotel Design, Planning and Development

Kajian Bahasa dan Budaya Sunda

Proceedings of the ... National Passive Solar Conference

Architectural Lighting Design

Introduction to Architecture

Learning Cities, Learning Regions, Learning Communities

Pola struktural dan teknik bangunan di Indonesia

Ecohouse: A Design Guide

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Application of Local Knowledge in Different Spheres of Practice

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PEMBANGUNAN WILAYAH KEUPULAUAN

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Konferensi Internasional Budaya Sunda (KIBS)

Lighting Design Basics

Proceedings of the 4th International Conference on Innovation in Education, Science and Culture, ICIESC 2022, 11 October 2022, Medan, Indonesia

Bamboo

Diagram Lintasan Matahari Dalam Arsitektur

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Arsitektur dalam masyarakat

Removing Barriers to Environmental Comfort in the Global South

## **MALAKI HOLLAND**

### **Thermal Comfort** Routledge

Buku ini ditulis dengan melihat kebutuhan mahasiswa arsitektur Unsyiah untuk memiliki buku pegangan mata kuliah Sains Arsitektur. Selama ini mahasiswa hanya diberikan rujukan kepada buku Nobert Lechner yang berjudul Heating Cooling and Lighting. Buku tersebut sangat bagus untuk dijadikan sebagai rujukan mata kuliah Sains Arsitektur. Namun buku tersebut ditulis berdasarkan kondisi geografis dan iklim Amerika yang berbeda dengan Indonesia. Dengan pertimbangan tersebut buku ini dihadirkan dengan memberikan kombinasi sumber referensi Indonesia sebagai contoh kasus. Buku Nobert Lechner tetap dijadikan sebagai acuan utama namun diperkaya dengan berbagai sumber lainnya, sehingga mahasiswa dapat mudah memahaminya.

### **Pengaruh Karakter Arsitektur Tropis Pada Desain Rumah Belanda** Kanisius

Hotel Design, Planning and Development presents the most significant hotels developed internationally in the last ten years so that you can be well-informed of recent trends. The book outlines essential planning and design considerations based on the latest data, supported by technical information and illustrations, including original plans, so you can really study what works. The authors provide analysis and theory to support each of the major trends they present, highlighting how the designer's work fits into the industry's development as a whole. Extensive case studies demonstrate how a successful new concept is developed. Hotel Design, Planning and Development gives you a thorough overview of this important and fast-growing sector of the hospitality industry.

### *The Architects' Handbook* GRIYA KREASI

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.

### Jirek gadang McGraw-Hill Companies

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.

### Bangunan tropis Butterworth-Heinemann

The book is concerned with the main assumptions of the theory of Gibbs capillarity theory and fundamental thermodynamic equations, derived by the method of the finite thickness layer. Special attention is given to applied aspects of the thermodynamic theory of surface phenomena. Methods for calculating adsorption in multicomponent solutions are examined in detail. Systems of equations for calculating adsorption in real multicomponent systems from the concentration dependence of surface tension are derived for the first time. Experimental data on surface tension and density in binary and multicomponent systems are presented. Analysis of the results is used to develop methods for predicting the surface properties of multicomponent systems from the data on the properties of binary melts.

### **Concepts in Thermal Comfort** John Wiley & Sons

Climate factor and architectural design in hot and humid country relating to social life and customs of the Bajo ethnic group in Kabupaten Bone, South Sulawesi.

### Hotel Design, Planning and Development Ideas Publishing

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.

### *Kajian Bahasa dan Budaya Sunda* BoD – Books on Demand

Membelajarkan kebudayaan dalam lingkup pendidikan adalah juga upaya untuk melakukan proses advokasi sekaligus edukasi. Tujuannya yaitu agar generasi penerus bangsa memiliki keakuan akan kekuatan nilai-nilai tersebut. Selain itu, secara perlahan mampu menumbuhkan kepercayaan kepada dirinya sebagai makhluk sosial yang terus berinteraksi dengan lingkungannya. Mulai dari mengenali, memperelajari, menganalisis, sampai dengan menggunakannya sebagai narasi dalam membaca setiap perkembangan yang menghinggapi kehidupannya.

### Proceedings of the ... National Passive Solar Conference John Wiley & Sons

In the era of globalization and rapid development of technology and artificial intelligent, the importance of local wisdom slowly being unnoticed and forgotten. Through a proper documentation, the validity and significance position of local wisdom would remain appreciated and valued. This book offers an informative reading on practices in various fields; ranging from the field of food preparation, architecture, biodiversity to legislation; right from the lens of local wisdom. The chapters in this book provide refreshing information on the treasure of local wisdom, supported by scientific data and evidence. Though the content of this book might be academic in nature, yet it is presented in simple language, making it is readable for various group either students, researchers, academicians or even general public.

### Architectural Lighting Design Routledge

Attempts to develop a theory of understanding architecture in concrete, existential terms, following the guidelines of Heidegger

### Introduction to Architecture Penerbit USM

Ecohouse is an exciting and timely text that tells you how to design low energy, environmentally friendly buildings today. It also provides the foundations for building design in a warming world, and stepping stones towards the zero-carbon emission buildings of tomorrow. Sue Roaf is famed for her approach to design and her awareness of energy efficiency. Here she reveals the concepts, structures and techniques that lie behind the

realization of her ideals. By using her own house as a case-study Roaf guides the reader through the ideas for energy efficient design or 'eco design'. This guide to the ecohouse also explores 21 case-studies from around the world, from Norway and Sweden to India and Japan, Argentina and Mexico. Chapters by Christopher Day, Katerine Bohn and Andre Viljoen on ecological building materials and methods and a contribution by Robert and Brenda Vale - all experts in this field Ecohouse has a regularly updated companion web site providing further information on all issues relating to Ecohouse and eco design. Log on to [www.bh.com/companions/ecohouse](http://www.bh.com/companions/ecohouse) for a direct link.

Learning Cities, Learning Regions, Learning Communities 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.

*Pola struktural dan teknik bangunan di Indonesia* Routledge  
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 penerangan 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 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

**Ecohouse: A Design Guide** Princeton University Press

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>

*Daylight in Architecture* McGraw-Hill Companies

This book describes how comfort, energy and climate change in developing countries and vulnerable sectors of the population relate to buildings. The building sector is currently facing significant challenges connected to energy consumption, energy poverty and climate change effects. When studied in developing countries and vulnerable sectors of the population, these factors,

which are commonplace in the tropics and the southern hemisphere, are interlinked and share a critical component: environmental comfort. Although progress has been made in environmental comfort through research and the development of standards and policies at the international level, in the Global South, where the countries with the highest levels of income inequality are concentrated, environmental comfort has its own characteristics and challenges that prevent a clear understanding from the established vision of the Global North. This book presents research, theories and techniques related to Thermal comfort, Indoor air quality, Visual comfort, and Acoustic comfort and its relationship with energy use and energy efficiency, seeking to address different barriers to environmental comfort. It shows how to improve the way buildings are designed and operated to promote healthier environmental conditions and more sustainable construction, by presenting studies and reflections carried out in the target geographical area: the Global South. In this way, this book contributes to developing the concept of environmental comfort, visualising how progress has been made in understanding it from a tropical and southern perspective, and posing common challenges. The book is intended for engineers, architects, and researchers of the built environment who are interested in environmental comfort and its influence on energy consumption, energy poverty, and other related factors in the Global South context. It is also a useful resource for decision-makers and public policy developers concerned with the indoor comfort of buildings. Moreover, the book aims to provide guidance for those in developing countries by gathering existing knowledge in the field for the tropics and southern hemisphere climatic and sociocultural contexts, allowing us to move forward in this subject with actions and proposed solutions that fit our particular needs.

**Bangunan tropis** Routledge

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.

**Metric Handbook** Syiah Kuala University Press

We are delighted to present the Proceedings of the 4th International Conference on Innovation in Education, Science and Culture (ICIESC) that organized by Research and Community Service Centre of Universitas Negeri Medan (LPPM UNIMED). Proceedings of the 4th ICIESC contains several papers that have presented at the seminar with theme Education and Science in time of uncertainty: Recovering for the Future. This conference was held on 11 October 2022 virtually and become a routine agenda annually. The 4th ICIESC was realized this year with various presenters, lecturers, researchers and students from universities both in and out of Indonesia. The 4th International Conference on Innovation in Education, Science and Culture (ICIESC) 2022 shows up as a Mathematics and Natural Science, Material Science, Physics Education, Biology Education, Chemistry Education, Vocational Education, Applied Sciences-Computers, Multimedia Technology, Applied Mathematics, E-learning system, Applied Sciences-Information Technology, Applied Sciences-

Engineering, Social Science and Humanities, Management Innovation and Heritage Culture research platform to gather presentations and discussions of recent achievements by leading researchers in academic research. With the number participants 260 participants, who came from the various national and international universities member, research institute, and academician. There are 181 papers passed through rigorous reviews process and accepted by the committee. All of papers reflect the conference scopes and become the latest trend. It has been our privilege to convene this conference. Our sincere thanks, to the conference organizing committee; to the Program Chairs for their wise advice and brilliant suggestion on organizing the technical program and to the Program Committee for their through and timely reviewing of the papers. Recognition should go to the Local Organizing Committee members who have all worked extremely hard for the details of important aspects of the conference programs and social activities. We welcome you to read this proceeding and hope the reader can find according to your interests and scientific field.

**DI BALIK WABAH COVID - 19 SUMBANGAN PEMIKIRAN DAN PERSPEKTIF AKADEMISI** Wiley-Interscience

On vernacular architecture related to tropical climate condition in Indonesia.

**Heating, Cooling, Lighting** Syiah Kuala University Press

A pioneer in landscape studies takes us on a tour of landscapes past and present to show how our surroundings reflect our culture. "No one who cares deeply about landscape issues can overlook the scores of brilliant insights and challenges to the mind, eye and conscience contained in *Discovering the Vernacular Landscape*. It is a book to be deeply cherished and to be read and pondered many times."--Wilbur Zelinsky, *Landscape* "While it is fashionable to speak of man as alienated from his environment, Mr. Jackson shows us all the ties that bind us to it,

consciously or unconsciously. He teaches us to speak intelligently--rather than polemically or wistfully--of the sense of place."--Anatole Broyard, *New York Times* "This book is a vital and seminal text: do beg, borrow or buy it."--Robert Holden, *Landscape Design* (London) "Incisive and overpoweringly influential. It will probably tell you something about how you live that you've never thought about."--Thomas Hine, *The Philadelphia Inquirer* "No one can come close to Jackson in his unique combination of historical scholarship and field experience, in his deep knowledge of European high culture as well as of American trailer parks, in his archivist's nose for the unusual fact and his philosopher's mind for the trenchant, surprising question."--Yi-Fu Tuan  
*Thermodynamics of Surface Phenomena* Prentice Hall  
Lighting is a basic, yet difficult-to-master, element of interior design, and *Lighting Design Basics* provides the information you need in a concise, highly visual format. Two leading designers, both with decades of experience, offer straightforward coverage of concepts and techniques, and present realistic goals you can use as guides to creating simple, typical lighting designs and when collaborating with professional designers on more complex projects. Design scenarios for more than twenty different spaces illustrate real-world case studies for illuminating residential and commercial spaces, from kitchens to doctors' offices. Each scenario includes an in-depth rationale for the proposed solution, insightful lighting distribution diagrams, floor plans, and details for lighting installation and construction. In addition, exercises allow you to develop lighting design skills in preparation for working on actual projects, as well as the NCIDQ and NCARB exams. Packed with informative illustrations, *Lighting Design Basics* is an invaluable resource for students, as well as interior designers and architects studying for professional licensing exams.

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