

# **NEW BOOKS MAY 2022**

***Second Cluster Library, UKM***



**FAKULTI  
KEJURUTERAAN  
DAN  
ALAM BINA**



**Title:** Advanced Research On Nanophotonic Lithium Niobate

**Author:** Yarub Al-Douri

**ISBN:** 9789674880804

**Publisher:** UM Press

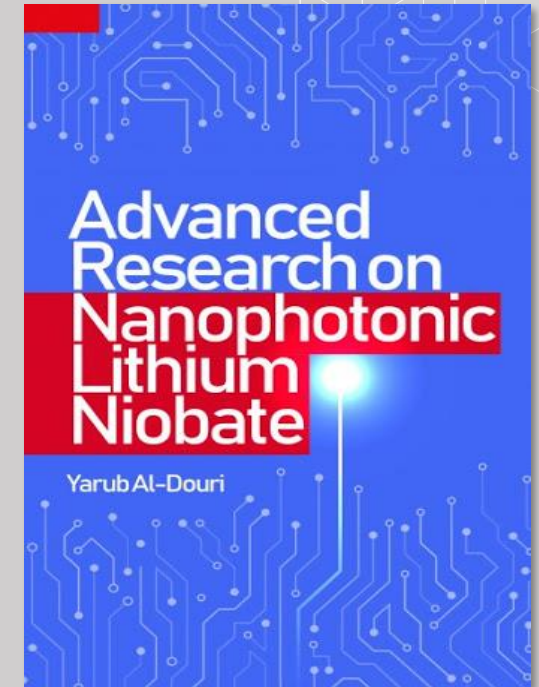
**Year:** 2019

**Abstract:**

The common physical effects that support various photonic dynamic devices and the large variety of existing integrated micro- and nanophotonic dynamic circuits are reviewed. A general overview is provided of existing devices technologies and cover photonics topic where various micro and nanophotonics are integrated on a chip together with nonphotonic microelectronic components. It is dealt with large variety of components and focused on physical studies and optical devices. These perform a role that is similar to role of optoelectronics, while acting as the first evolution phase towards fully integrated light-wave processing circuits.

**For more info:**

[https://bit.ly/NewBooks\\_1](https://bit.ly/NewBooks_1)



**No. Panggilan:** TA1530.D739 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** Bandar Mesra Manusia

**Author:** Jan Gehl

**ISBN:** 9789674881207

**Publisher:** UM Press

**Year:** 2019

**Abstract:**

Buku 'Cities for People' dianggap sebagai antara rujukan utama kepada perancang bandar di seluruh dunia, sudah diterjemahkan kepada 35 bahasa dalam tempoh sembilan tahun terakhir ini. Buku ini menghuraikan benih-benih idea Gehl, menyelidik beberapa bandar dunia yang telah berjaya diperbaiki sepanjang beberapa dekad yang lalu, dan menyatakan cabaran-cabaran mendatang. Kehidupan generasi akan datang akan menuju ke arah yang lebih bahagia dan berdaya saing jika pemimpin-pemimpin mereka mengambil nasihat beliau.

**For more info:**

[https://bit.ly/NewBooks\\_2](https://bit.ly/NewBooks_2)

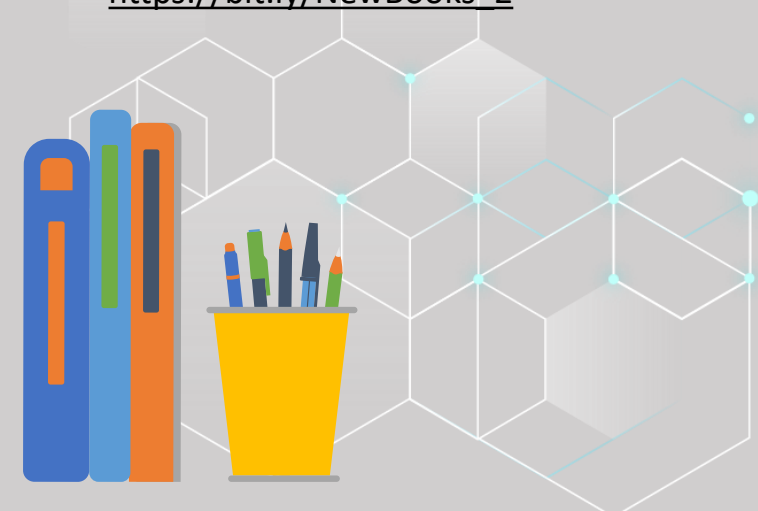


**No. Panggilan:** HT119.G44154 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** Cost Management in Construction Industry.

**Author:** Loo Siaw Chuing | Nur Mardhiyah Aziz | Nurshuhada Zainon

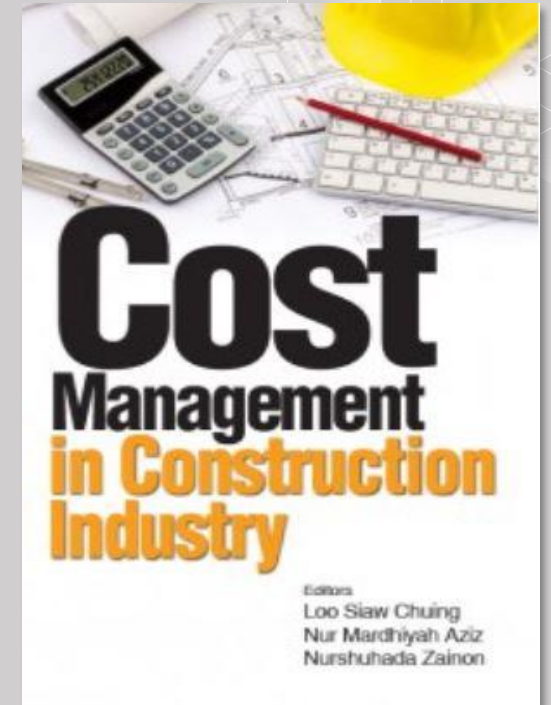
**ISBN:** 9789674881816

**Publisher:** UM Press

**Year:** 2021

**Abstract:**

Cost Management in Construction Industry meets the needs of practitioners, academicians, researchers, and students in the construction industry. It is a handy and easy to understand reference for construction practitioners as well as those who wish to comprehend the topic of cost management. This book is packed with definitions, elements and processes of cost management, roles of quantity surveyors and project managers in managing costs, cost analysis in transportation infrastructure, and also digitally driven cost analysis for cost management. The authors are experienced academicians and industry practitioners. This book will allow one to better grasp the knowledge of cost management scenario in the construction industry.



**No. Panggilan:** TA692.26.C6473 3

**Lokasi:** Rak Pameran, Aras 2

**For more info:**

[https://bit.ly/NewBooks\\_3](https://bit.ly/NewBooks_3)



*Imbas kod QR untuk  
semak status bahan*



**Title:** Dispute Avoidance and Resolution Procedure for the Construction Industry

**Author:** Mohd Suhaimi Mohd Danuri

**ISBN:** 9789674881801

**Publisher:** UM Press

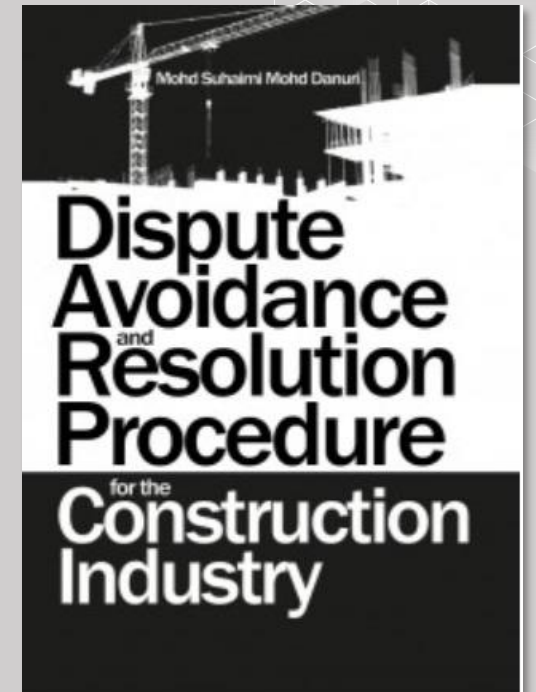
**Year:** 2021

**Abstract:**

Given the contribution of the construction industry to the national economy, it is important for the relevant parties to make visible efforts to ensure that the projects will be successfully implemented. Yet, it must be noted that conflict tends to happen due to the complex nature of the construction industry and the involvement of so many parties along the contractual chain, adversarial relationship, uneven risk allocation and uneven bargaining power. Therefore, it is necessary to have a proper mechanism to avoid dispute in the first place, because once conflict turns into dispute it could affect project success. Having said that however, the biggest challenge came from some academicians and practitioners who were very skeptical as they do not think dispute can be avoided. One of the reasons simply because many publications in this area said that construction dispute is inevitable. Furthermore, previous research and publications in this area are more focus on dispute resolution rather than avoidance. Hence, it may explain why this book seems to be among the pioneer to promote the concept of dispute avoidance.

**For more info:**

[https://bit.ly/NewBooks\\_4](https://bit.ly/NewBooks_4)



**No. Panggilan:** K891.B8M648 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** Green Maintenance Of Heritage Buildings: A Sustainable Repair Approach

**Author:** Brit Anak Kayan

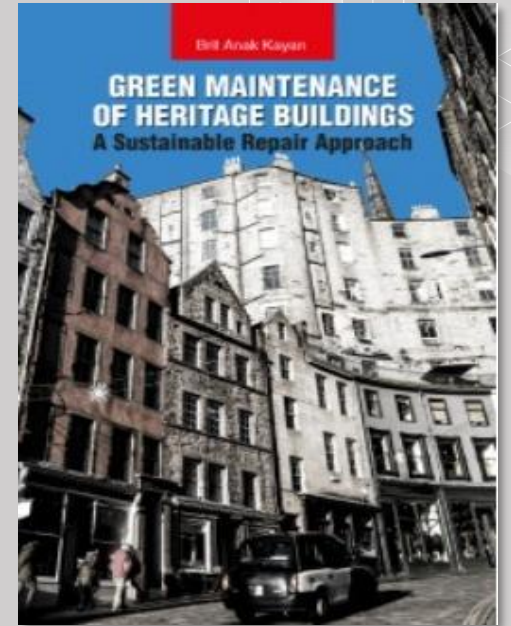
**ISBN:** 9789674881474

**Publisher:** UM Press

**Year:** 2020

**Abstract:**

Green Maintenance of Heritage Buildings: A Sustainable Repair Approach examines current maintenance perspectives and repair practices of heritage buildings, and evaluates the efficacy of repair techniques using the Green Maintenance model, which promotes sustainable and environmentally efficient solutions. Using case studies of heritage buildings in both tropical and cold climates, the author's testing of the Green Maintenance model demonstrates that the selection of repair options can be based not only on cost and philosophy of heritage building conservation, but also how 'green' repair techniques are. The book covers key aspects of the maintenance of heritage buildings, from dilapidation and environmental impact to the integration of a Conservation Plan and sustainable repairs, suitably illustrated with photographs. It also offers sound advice to all those involved in sustainable repair, and serves as a useful resource in heritage building conservation.



**No. Panggilan:** TH3361.B753 3

**Lokasi:** Rak Pameran, Aras 2



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**For more info:**

[https://bit.ly/NewBooks\\_5](https://bit.ly/NewBooks_5)



**Title:** Penilaian Keadaan Bangunan: Tip dan Trik

**Author:** Azlan Shah Ali | Farid Wajdi Akashah

**ISBN:** 9789674882044

**Publisher:** UM Press

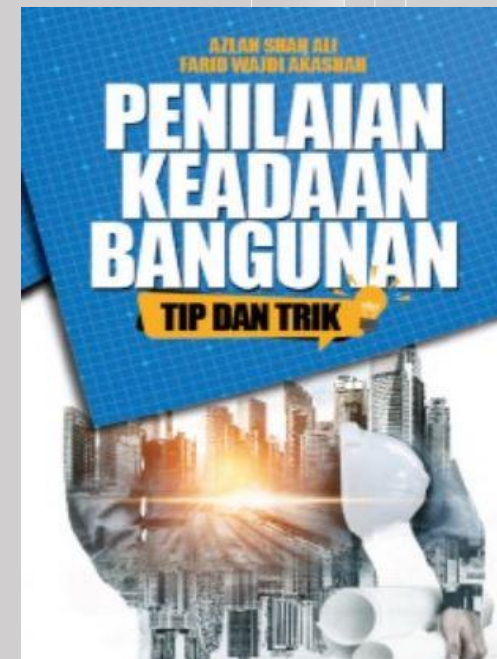
**Year:** 2016

### Abstract:

Buku ini diterbitkan berdasarkan pengalaman pemeriksaan keadaan bangunan yang dilaksanakan oleh penulis buku dan pasukan yang telah mendapat pendedahan dalam melaksanakan pemeriksaan keadaan bangunan serta penerbitan laporan yang sebenar. Buku ini merangkumi pengetahuan tentang keperluan dan kepentingan pemeriksaan keadaan bangunan dalam industri pembinaan dan penyenggaraan bangunan, terutama sekali di negara ini. Intipati buku ini adalah sebagai rujukan asas berkenaan pemeriksaan bangunan mengikut sistem penarafan kondisi bangunan yang terkini iaitu Building Condition Assessment Rating System (BCARS). Sebagai tambahan, buku ini menyediakan rujukan asas berkenaan teknik pemeriksaan keadaan bangunan, jenis-jenis peralatan pemeriksaan dan pengukuran yang diguna pakai, protokol pelaksanaan pemeriksaan bangunan yang perlu dipatuhi oleh pemeriksa, serta persiapan dan strategi pemeriksaan yang perlu dilaksanakan supaya pemeriksaan keadaan bangunan dapat dijalankan dengan teratur dalam tempoh yang dipersetujui bersama pemilik bangunan. Paling utama, buku ini menyediakan lebih daripada 700 gambar kecacatan tipikal sebenar yang terdapat pada tiga sistem utama bangunan, arkitektur, elektrik dan mekanikal. Pembaca boleh merujuk jenis-jenis kecacatan, punca berlakunya kecacatan serta cadangan kerja pembaikan yang turut disertakan dalam buku ini. Sementara itu, buku ini turut berkongsi kepada pembaca tentang teknik dan prosedur untuk mengambil gambar keadaan atau kondisi ruang bangunan dengan lebih teratur dan sistematik.

**For more info:**

[https://bit.ly/NewBooks\\_6](https://bit.ly/NewBooks_6)



**No. Panggilan :** TH439.A959 3

**Lokasi:** Rak Pameran, Aras 2/



*Imbas kod QR untuk semak status bahan*



**Title:** Ionospheric Delay Investigation and Forecasting

**Author:** N. A. Elmunim | M. Abdullah

**ISBN:** 9789811650444

**Publisher:** Auris Reference

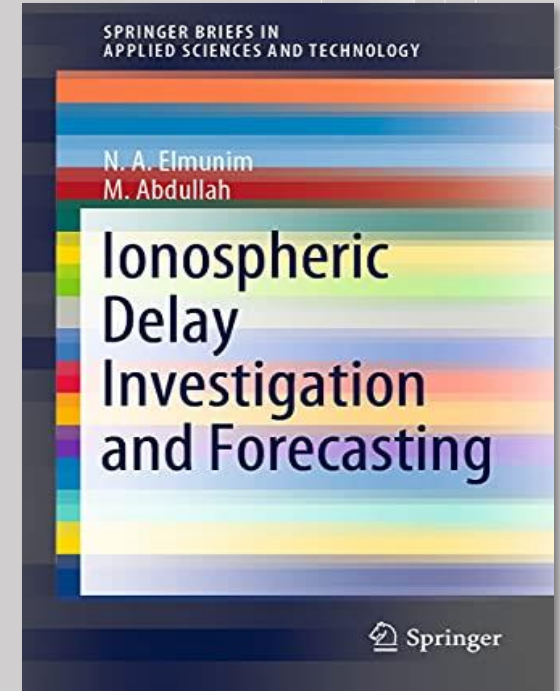
**Year:** 2021

**Abstract:**

This book highlights ionospheric delay investigation and forecasting using GPS-TEC measurements in the equatorial region. The ionospheric delay error is the main source of error and a major concern for GPS applications as it corrupts the positioning and time transfer results. In the equatorial region, the variations of the total electron content (TEC) and the ionospheric delay are recognized to be high when compared with other regions such as mid-latitude and high latitude. The investigation and forecasting of trans-ionospheric propagation errors are essential for precise measurement and further contribute valuable information to satellite and space probe navigation, space geodesy, radio astronomy and other applications.

**For more info :**

[https://bit.ly/NewBooks\\_7](https://bit.ly/NewBooks_7)



**No. Panggilan:** GBQC881.2.I6E436 3

**Lokasi:** Rak Pameran, Aras 2



*Imbas kod QR untuk semak status bahan*



**Title:** Active Learning In Education 4.0: Students As Owners of Learning

**Author:** Siti Munirah Mohd I Hatika Kaco I Fadzidah Mohd Idris

ISBN: 9789674409340

**Publisher:** USIM Press

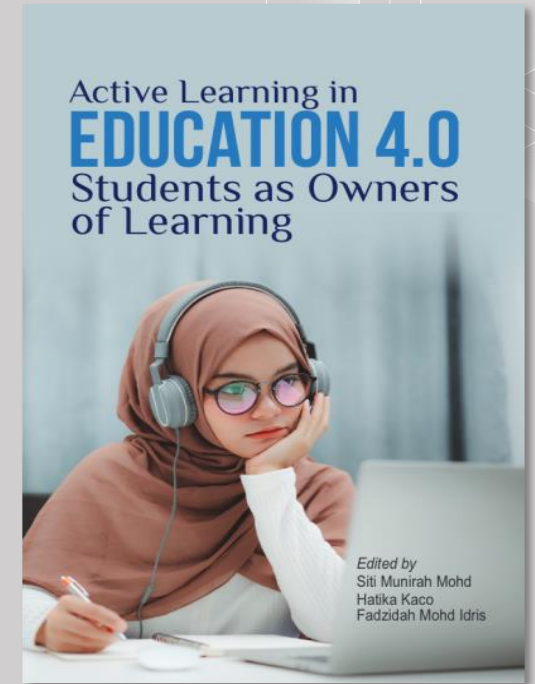
**Year:** 2021

**Abstract:**

Active learning is the latest approach in teaching and learning process in Education 4.0, which is the main theme of this book. This book emphasises the different methods used in the classroom using an active learning approach to garner students' interest in learning. This book also consists of twelve chapters focusing on teaching style including Visual, Auditory, Kinesthetic (VAK), authentic multi-media language, flipped classroom, gamification, peeragogy, holographic study, 3D printing, project-based learning, experiential learning, cloud quantum computing, mobile learning and teaching styles.

**For more info :**

[https://bit.ly/NewBooks\\_8](https://bit.ly/NewBooks_8)



**No. Panggilan:** LB1028.3.A268 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** Beauty of Balance: From the Perspective of Built Environment

**Author:** Fadli Arabi | Abu Bakar Alik | Elina Mohd Husini | Wan Norisma Wan Ismail |  
Nor Haslina Ja'afar.

**ISBN:** 9789674405267

**Publisher:** USIM Press

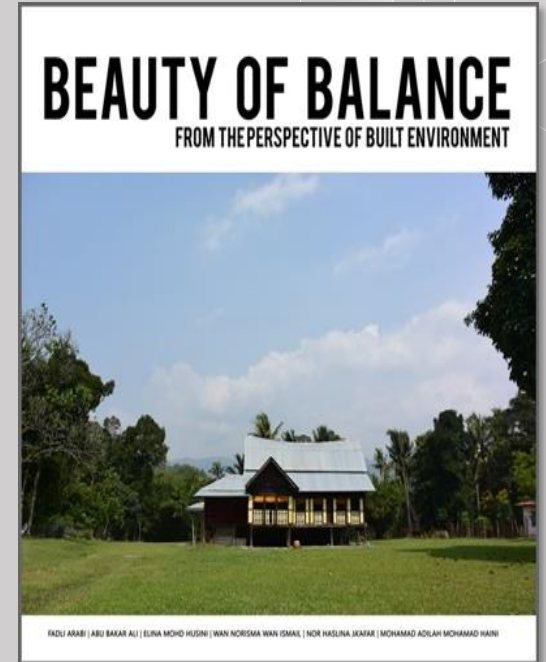
**Year:** 2020

**Abstract:**

The magnificence of the traditional Malay architecture started from a simple welling located in a pristine place known as a kampung. Each characteristic of the Malay traditional house has its own connection with nature, a certain description and philosophy that reflects the culture and heritage of the predominantly Malay Muslim community. The house and the village complemet each other to create a sense of balance in life. It os from the humble village that life develops into more complex structure economically, socially, and physically. Although the rapid development has somehow changed the existence of the village into a bustling city. there is still a sense of balance in various aspects of life which is necessary to ensure our co-existence with nature.

**For more info:**

[https://bit.ly/NewBooks\\_9](https://bit.ly/NewBooks_9)



**No. Panggilan :** HN700.6.A8F343 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** Charge-Coupled Device Optical Tomography System for Air Bubbles Detection

**Author:** Juliza Jamaludin

**ISBN:** 97896744071686

**Publisher:** USIM Press

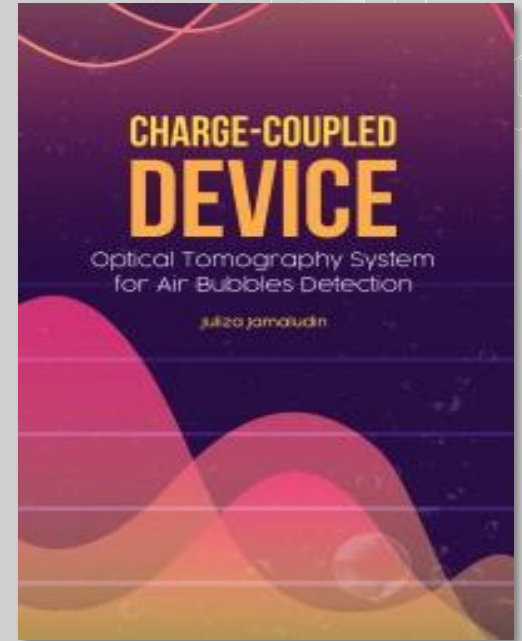
**Year:** 2020

**Abstract:**

This book, Charge-Coupled Device: Optical Tomography System for Air Bubbles Detection discusses the constructions and applications of Charge-Coupled Device (CCD) and laser diode optical tomography system. Tomography is a non-intrusive and non-invasive system to monitor and capture a cross-sectional image of multiphase flow. There are many types of tomography system in today's industries. Optical tomography is one of the best non-hazardous radiation tomography methods which gives a high image resolution and accurate data. It is because the investigation is done by using light sources. Researchers and industrial practitioners of multiphase flow system who apply these types of optoelectronics device may get useful information and acts as a guideline to them. This book will be a huge contribution to the multiphase flow industries and research in the field of tomography.

**For more info :**

[https://bit.ly/NewBooks\\_10](https://bit.ly/NewBooks_10)



**No. Panggilan:** TK7871.99.C45J853 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** A Handbook For Measured Drawing Documenting With Naqli Studies

**Author:** Elina Mohd Husini | Nurul Syala Abdul Latip

**ISBN:** 9789674404161

**Publisher:** USIM Press

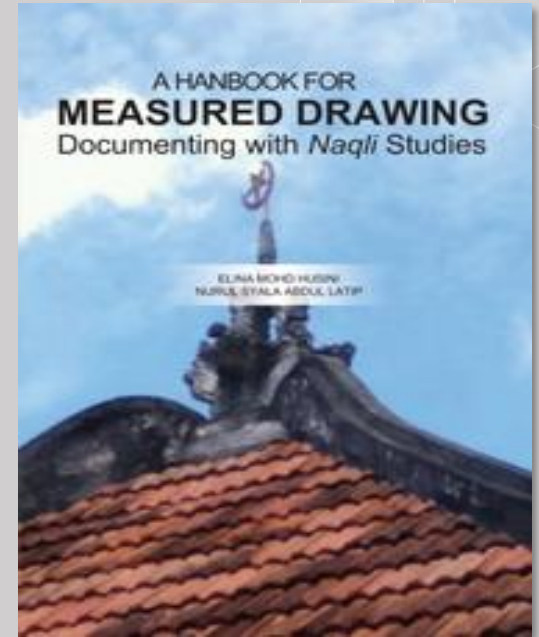
**Year:** 2018

**Abstract:**

The documentation of measured drawing forms an important part of architectural studies. This handbook is for architectural students to obtain the basic understanding on the measuring, recording of building, and documenting the information of heritage buildings. The handbook serves as a guideline on documentation and production, composition, lettering and presentation.

**For more info :**

[https://bit.ly/NewBooks\\_11](https://bit.ly/NewBooks_11)



**No. Panggilan :** NA2712.E435 3

**Lokasi:** Rak Pameran, Aras 2



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**Title:** Mizanhome From Ideas To Reality

**Author:** Elina Mohd Husini | Dodo Yakubu Aminu | Marinah Othman | Azman Ab Rahman |

Nurul Nadiah Razali

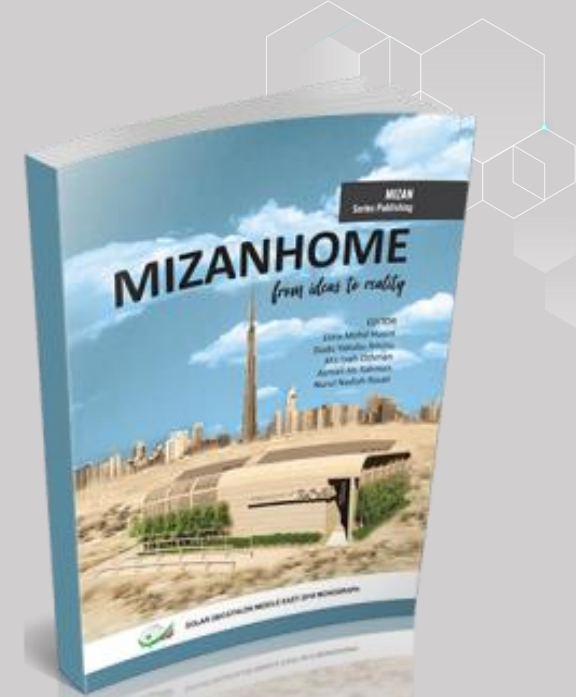
**ISBN:** 9789674404338

**Publisher:** USIM Press

**Year:** 2018

**Abstract:**

MizanHome is a sustainable, affordable and innovative net zero-energy, smart home that makes use of solar as its main energy source. This modern house design responds to both culture and environment while striving for sustainability. Our objective in SDME2018 is to develop a net zero-energy and affordable house that demonstrates energy efficient technologies in marketable applications, as well as through technology development and key partnership. A solar house gives freedom from dependence on rising utility prices without giving up electricity while still having all the comfort characteristics consisting of heating and cooling systems, entertainment and home appliances. It is hoped that this book will generate more ideas and awareness about the advantages of a solar house.



**No. Panggilan :** TH7414.M593 3

**Lokasi:** Rak Pameran, Aras 2



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**For more info :**

[https://bit.ly/NewBooks\\_12](https://bit.ly/NewBooks_12)





**TERIMA KASIH**

