



**PROF. MADYA AR. DR.
ELINA BINTI MOHD HUSINI**
PENSYARAH UNIVERSITI DS14

CONTACT

Phone: 03-7986660

E-mail: elina@usim.edu.my

Faculty: Fakulti Kejuruteraan
Dan Alam Bina

SUPERVISION

PhD - Completed: 1, Ongoing: 4

Master - Completed: 2, Ongoing: 1

AREAS OF EXPERTISE

Simulation System

Other Architecture

Energy Resources And Climate

ACADEMIC QUALIFICATION

PhD in Architecture (2016)

Bachelor in Senibina (2002)

RESEARCH

1. SOLAR GREEN FACADE AND IOT - BASED SYSTEM FOR INDOOR AIR QUALITY TOWARDS A SUSTAINABLE LIFE OF 'SAKINAH'

2021

GERAN PENYELIDIKAN FLAGSHIP

ON GOING

MAIN RESEARCHER

2. A NEW PARAMETRIC MODULE OF THERMAL AND LIGHTING BASED ON SOLAR CELL FACADE SYSTEM IN SCHOOL

2020

GERAN KPT

COMPLETED

MAIN RESEARCHER

3. BIOCLIMATIC ARCHITECTURE AND INTEGRATED HYBRID SOLAR COOLING SYSTEM FOR ENGAGING RESILIENT COMMUNITY TO CLIMATE CHANGE

2019

GERAN PENYELIDIKAN USIM

COMPLETED

MAIN RESEARCHER

4. DAYLIGHT FACTOR INDICATOR FOR DISCOMFORT METRICS IN LEARNING SPACE BASED ON ACCEPTABLE DAYLIGHT ILLUMINANCE.

2015

GERAN KPT

COMPLETED

MAIN RESEARCHER

5. DEVELOPING FOR PILOT PROJECT ON POTENTIAL OF RENEWABLE ENERGY IN UNIVERSITI SAINS ISLAM MALAYSIA

2015

GERAN PENYELIDIKAN JANGKA PENDEK

COMPLETED

MAIN

RESEARCHER

PUBLICATION

1. ENHANCING SOCIAL INTEGRATION AND SPIRITUAL WELLNESS THROUGH ISLAMIC COURTYARD GARDEN (ICG)

7TH INTERNATIONAL SEMINAR ON PHILOSOPHY, CIVILISATIONS, ETHICS, AND ISLAMIC TURATH (I-STET) 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

2. EXPLORING IOT-BASED BIOFILTRATION GREEN PANELS (IBGP) FOR IMPROVING INDOOR AIR QUALITY (IAQ)

3RD INTERNATIONAL CONFERENCE ON BUILT ENVIRONMENT AND ENGINEERING (ICONBEE2024)

2024 PROCEEDING MYCITE MAIN AUTHOR

3. WATIKAH SATU AMANAH

MEMOIR MIZAN HOME DUBAI , SOLAR DEACTHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK MAIN AUTHOR

4. DUBAI, HERE WE COME

MEMOIR MIZAN HOME DUBAI, SOLAR DECATHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK MAIN AUTHOR

5. ISLAM AND THE FINE ARTS

THE HISTORY AND REVOLUTION OF ART AND ISLAM; THE BARAK KHAN MADRASAH

2024 CHAPTER IN BOOK MAIN AUTHOR

6. INTEGRATION OF ISLAMIC BUILDING PRINCIPLES TO IMPROVE SPATIAL QUALITY OF LOW-COST VERTICAL HOUSING IN KUALA LUMPUR

SAIS 2023

2023 PROCEEDING NON-INDEX MAIN AUTHOR

7. DAYLIGHT AND COLOR

EMPOWERING THE BUILT ENVIRONMENT: A MULTIDISCIPLINARY APPROACH

2023 CHAPTER IN BOOK MAIN AUTHOR

8. AN ANALYSIS OF VISUAL PRIVACY FROM ISLAMIC PERSPECTIVE OF MODERN TERRACE HOUSING DESIGN IN MALAYSIA

SEMINAR ANTARABANGSA SAINS DAN ISLAM 2022

2022 PROCEEDING NON-INDEX MAIN AUTHOR

9. PERMULAAN AWAL BICARA

MEMOIR SDME

2022 CHAPTER IN BOOK MAIN AUTHOR

10. DAYLIGHT AND COLOUR

EMPOWERING THE BUILT ENVIRONMENT A MULTIDISCIPLINARY APPROACH

2022 CHAPTER IN BOOK MAIN AUTHOR

11. DAYLIGHT EFFICIENCY AND ENERGY SAVING LIGHTING TO MAXIMIZE STUDENTS' HAFIZAN PERFORMANCE AND VISUAL COMFORT: A CASE RESEARCH OF A SELECTED RELIGIOUS SCHOOL

THE 7 TH INTERNATIONAL CONFERENCE ON QURAN AS FOUNDATION OF CIVILIZATION (SWAT 2021)

2021 PROCEEDING NON-INDEX MAIN AUTHOR

12. HYBRID THERMAL ENERGY STORAGE COOLING & HEATING SYSTEM FOR A SOLAR HOME

SUSTAINABLE LIVING IN THE BUILT ENVIRONMENT

2021 CHAPTER IN BOOK MAIN AUTHOR

13. ILLUMINANCE LEVEL MEASUREMENT AT LOWER WORKING PLANE HEIGHT IN ISLAMIC RELIGIOUS SCHOOL

ASIAN JOURNAL OF UNIVERSITY EDUCATION (AJUE)

2020 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

14. THE EFFECT OF DAYLIGHT FLUCTUATION AND ACCEPTABLE ILLUMINANCE LEVEL ON VISUAL COMFORT IN OFFICE BUILDINGS

ICRP 2019 4TH INTERNATIONAL CONFERENCE ON REBUILDING PLACE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

15. THE EFFECTS OF DAYLIGHT FLUCTUATION AND ILLUMINANCE LEVEL IN OFFICE BUILDING

4 TH INTERNATIONAL CONFERENCE ON REBUILDING PLACE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

16. THE CONCEPT OF ?SAKINAH? FOR FUTURE SURVIVAL IN CONSERVING A SUSTAINABLE LIFE

SUSTAINABLE INITIATIVE IN USIM DIALOGUE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

17. BEAUTY OF BALANCE: FROM THE PERSPECTIVE OF BUILT ENVIRONMENT

2019 BOOK MAIN AUTHOR

18. LIGHT FLUCTUATION IN RELATIONSHIP OF HUMAN SATISFACTION AND ENERGY SAVING OFFICE BUILDINGS IN MALAYSIA: A CASE STUDY ON STATE FEDERAL BUILDING, JOHOR BAHRU

ADVANCES IN SUSTAINABLE LIVING: BUILT ENVIRONMENT AND THE TECHNOLOGY

2019 CHAPTER IN BOOK MAIN AUTHOR

19. LIGHT, DAYLIGHTING AND FLUCTUATION OF AN ILLUMINANCE LEVEL IN OFFICE BUILDING

IOP CONFERENCE SERIES : MATERIAL SC AND ENGINEERING

2018 JOURNAL SCOPUS MAIN AUTHOR

20. LIGHT, DAYLIGHTING AND FLUCTUATION OF ILLUMINANCE LEVEL IN OFFICE BUILDING

ICACE 2018 2ND INTERNATIONAL CONFERENCE ON ARCHITECTURE AND CIVIL ENGINEERING

2018 PROCEEDING NON-INDEX MAIN AUTHOR

21. A REVIEW OF SCIENCE OF LIGHT: FROM NAQLI KNOWLEDGE TO APPLICATION IN PRACTICE

CONTEMPORARY ISSUES: ISLAM AND SCIENCE

2018 PROCEEDING NON-INDEX MAIN AUTHOR

22. A HANDBOOK FOR MEASURED DRAWINGS DOCUMENTING WITH NAQLI STUDIES

2018 BOOK MAIN AUTHOR

23. MONOGRAPH MIZANHOME.. FROM CONCEPT TO REALITY

2018 BOOK MAIN AUTHOR

24. CONCEPTUAL IDEAS

MIZANHOME FROM IDEAS TO REALITY

2018 CHAPTER IN BOOK MAIN AUTHOR

25. A REVIEW OF SCIENCE OF LIGHT: FROM NAQLI KNOWLEDGE TO APPLIACATION IN PRACTICE

CONTEMPORARY ISSUES : ISLAM ANS SCIENCE

2018 CHAPTER IN BOOK MAIN AUTHOR

26. DEVELOPMENT OF A SOLAR HOME IN MIDDLE EAST: A REVIEW

THE IRES- 300TH INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING TECHNOLOGIES

2017 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. THE FUTURE SURVIVAL FOR CONSERVING AND REGENERATING A VILLAGE TOWARDS A PEACEFUL AND SUSTAINABLE LIFE

INTERNATIONAL

2017 PROCEEDING NON-INDEX MAIN AUTHOR

28. ACCEPTABLE ILLUMINANCE LEVEL ATTRIBUTES TO VISUAL COMFORT IN OFFICE BUILDING

2ND INTERNATIONAL CONFERENCE AND SCIENCE ENGINEERING AND SOCIAL SCIENCES

2016 PROCEEDING NON-INDEX MAIN AUTHOR

29. OCCUPANT'S SATISFACTION AND ENERGY SAVING IN OFFICE BUILDINGS: A CASE STUDY IN STATE FEDERAL BUILDING ,JOHOR BAHRU

JURNAL TEKNOLOGI,

2015 JOURNAL SCOPUS MAIN AUTHOR

30. POTENTIAL OF ENERGY SAVING IN OFFICE BUILDINGS IN MALAYSIA: A SURVEY ON PREFERRED ILLUMINATION LEVELS & OCCUPANTS'S SATISFACTION

INTERNATIONAL JOINT CONFERENCE OF SENVAR-INTA-AVEN

2015 PROCEEDING NON-INDEX MAIN AUTHOR

31. INTEGRATION OF DAYLIGHT AND ?ISHRAQ ILLUMINANCE PRINCIPLE FOR OFFICE IN MALAYSIA: S AURVEY OF OCCUPANT'S SATISFACTION IN MALAYSIA

3RD FST ANNUAL COLLOQUIUM, USIM

2015 PROCEEDING NON-INDEX MAIN AUTHOR

32. DAYLIGHT IN OFFICE BUILDINGS IN MALAYSIA: A PILOT STUDY ON OCCUPANTS' SATISFACTION AND LUMINOUS ENVIRONMENT

SPACES AND FLOWS: AN INTERNATIONAL CONFERENCE ON URBAN AND EXTRAURBAN STUDIES

2013 JOURNAL WOS MAIN AUTHOR

33. REMEDY THE GAP; ENERGY SAVING LIGHTING SYSTEM AND OCCUPANT PREFERENCES FOR OLD AND NEW OFFICE BUILDINGS IN MALAYSIA

BRIDGING OLD AND NEW:KALAM

2012 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

1. PROJEK: PERKHIDMATAN KONSULTANSI MEMBANGUNKAN PROGRAM SARJANA MUDA SENIBINA DENGAN KEPUJIAN KOLEJ UNIVERSITI YAYASAN SABAH (UCSF)

KOLEJ UNIVERSITI YAYASAN SABAH (UCSF)

2024

NATIONAL

2. PKNS OFFICE BUILDING

PKNS AND NEAPOLI SDN BHD

2013

NATIONAL

AWARDS/RECOGNITION

1. E-CONTENT FOR INNOVATION IN BUILT ENVIRONMENT AND ENGINEERING (ECONBEE) - EXPLORING IOT BASED BIOFILTRATION GREEN PANELS FOR IMPROVING INDOOR AIR QUALITY

2024

INTERNATIONAL

2. VIRTUAL INNOVATION COMPETITION EXHIBITION (SILVER)

2024

NATIONAL

3. ICOMPEX 2024 - INTERNATIONAL , INVENTION COMPETITION THROUGH EXHIBITION 2024 (GOLD)

2024

INTERNATIONAL

4. BEST INNOVATION AWARD - ICOMPEX 2024 . INTERNATIONAL INNOVATION , INVENTION COMPETITION THROUGH EXHIBITION 2024

2024

INTERNATIONAL

5. ACADEMIC ADVISOR

PANEL TEMU DUGA HADIAH LATIHAN PERSEKUTUAN TAHUN 2024, BAHAGIAN BIASISWA, HADIAH LATIHAN PERSEKUTUAN/ PANEL INTERVIEWER FOR SCHOLARSHIP HLP 2024

2024

INTERNATIONAL