



**PROF. MADYA AR. DR.
ELINA BINTI MOHD HUSINI**

PENSYARAH UNIVERSITI DS14

CONTACT

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Address: Fakulti
Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 1, Ongoing: 4

Master - Completed: 2, Ongoing: 1

AREAS OF EXPERTISE

Energy Efficiency

Green Technology And Sustainable Design

BIOGRAPHY

A lecturer from Fakulti Kejuruteraan Dan Alam Bina. Holds a Phd in Architecture.

ACADEMIC QUALIFICATION

Phd in Architecture (2016)

Bachelor in Senibina (2002)

RESEARCH

1. PRINCIPLE FOR FORMING A SUSTAINABLE ARCHITECTURAL SYSTEM OF ROADSIDE INFRASTRUCTURE FOR THE GREEN HIGHWAY OF UZBEKISTAN

2026 ON GOING MAIN RESEARCHER

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

2021 ON GOING MAIN RESEARCHER

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

2020 COMPLETED MAIN RESEARCHER

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

2019 COMPLETED MAIN RESEARCHER

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

2015 COMPLETED MAIN RESEARCHER

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

2015

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. THE ISLAMIC ENERGY GARDEN (IEG) FRAMEWORK FOR SUSTAINABLE LIVING IN MALAYSIAN UNIVERSITY CAMPUSES BASED ON MAQASID SHARIAH

2025 JOURNAL

2. ISLAMIC ENERGY GARDEN: A SHARIAH-BASED APPROACH TO ACHIEVE A ?GREEN AND BARAKAH CAMPUS?

2025 JOURNAL

3. OPTIMIZATION OF SOLAR DECATHLON DESIGN FOR RURAL COMMUNITY: CASE STUDY IN LOMPIOS VILLAGE, KOTA BELUD, SABAH

2025 JOURNAL

4. SUSTAINABLE ARCHITECTURE APPROACH IN REVITALIZING RELIGIOUS TOURISM SITES TOWARDS ENERGY MANAGEMENT IN MAQASID SYARIAH: A GENDER PERSPECTIVE

2025 PROCEEDING

5. GREEN WALL FACADE AND IOT-BASED SYSTEM FOR OPTIMAL INDOOR ENVIRONMENT OF SAKINAH IN LIVING

2025 PROCEEDING

6. PARAMETRIC OF DAYLIGHT PERFORMANCE THROUGH FACADE ENVELOPE RATIO OF HIGH-RISE OFFICE BUILDING IN TROPICAL

2025 PROCEEDING

7. PENCAHAYAAN DAN HARMONI DALAM SENIBINA

2025 CHAPTER IN BOOK

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

2024 PROCEEDING

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

2024 PROCEEDING

10. WATIKAH SATU AMANAH

2024 CHAPTER IN BOOK

11. DUBAI, HERE WE COME

2024 CHAPTER IN BOOK

12. ISLAM AND THE FINE ARTS

2024 CHAPTER IN BOOK

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

2023 PROCEEDING

14. DAYLIGHT AND COLOR

2023 CHAPTER IN BOOK

15. RESILIENT LIVING BY OPTIMIZING THE BUILDING FA?ADE IN DESIGNING POST-COVID HOUSING

2022 JOURNAL

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

2022 PROCEEDING

17. PERMULAAN AWAL BICARA

2022 CHAPTER IN BOOK

18. DAYLIGHT AND COLOUR

2022 CHAPTER IN BOOK

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

2021 PROCEEDING

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

2021 CHAPTER IN BOOK

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

2020 JOURNAL

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

2019 PROCEEDING

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

2019 PROCEEDING

24. THE CONCEPT OF 'SAKINAH' FOR FUTURE SURVIVAL IN CONSERVING A SUSTAINABLE LIFE

2019 PROCEEDING

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

2019 BOOK

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

2019 CHAPTER IN BOOK

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

2018 JOURNAL

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

2018 JOURNAL

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

2018 PROCEEDING

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

2018 PROCEEDING

31. A HANDBOOK FOR MEASURED DRAWINGS DOCUMENTING WITH NAQLI STUDIES

2018 BOOK

32. MONOGRAPH MIZANHOME.. FROM CONCEPT TO REALITY

2018 BOOK

33. CONCEPTUAL IDEAS

2018 CHAPTER IN BOOK

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

2018 CHAPTER IN BOOK

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

2017 PROCEEDING

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

2017 PROCEEDING

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

2016 PROCEEDING

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

2015 JOURNAL

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

2015 PROCEEDING

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

2015 PROCEEDING

41. DAYLIGHT IN OFFICE BU?LDINGS IN MALAYS?A: A PILOT STUDY ON OCCUPANTS? SATISFACTION AND LUMINOUS ENVIRONMENT

2013 JOURNAL

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

2012 PROCEEDING

CONSULTATION/ADULATION

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

2024 NATIONAL KOLEJ UNIVERSITI YAYASAN SABAH (UCSF)

2. PKNS OFFICE BUILDING

2013 NATIONAL PKNS AND NEAPOLI SDN BHD

AWARDS/RECOGNITION

1. ANUGERAH KHAS REKABENTUK KURIKULUM INOVATIF 2025

2025 NATIONAL

2. HONORARY PROFESSOR

2025 INTERNATIONAL

3. BEST PAPER AWARD: TOP 9

2025

INTERNATIONAL

4. ANUGERAH STAF CONTOH APRIL 2025

2025

OTHERS

5. ANUGERAH AKADEMIK TERBAIK

2025

UNIVERSITY