Profile Image

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CONTACT

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E-MAIL

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FACULTY

Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

	COMPLETED	ONGOING
PhD	1	4
Master	2	1

AREAS OF EXPERTISE

- Energy Efficiency
- Green Technology And Sustainable Design

ACADEMIC QUALIFICATION

2016 **PhD** - Architecture

2002 **Bachelor** - Senibina

RESEARCH

1. **PRINCIPLE FOR FORMING A SUSTAINABLE ARCHITECTURAL SYSTEM OF ROADSIDE INFRASTRUCTURE FOR THE GREEN HIGHWAY OF UZBEKISTAN**
   2026 | GERAN ANTARABANGSA | ON GOING | MAIN RESEARCHER

2. **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

3. **A NEW PARAMETRIC MODULE OF THERMAL AND LIGHTING BASED ON SOLAR CELL FACADE SYSTEM IN SCHOOL**
   2020 | GERAN KPT | COMPLETED | MAIN RESEARCHER

4. **BIOCLIMATIC ARCHITECTURE AND INTEGRATED HYBRID SOLAR COOLING SYSTEM FOR ENGAGING RESILIENT COMMUNITY TO CLIMATE CHANGE**
   2019 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

5. **DAYLIGHT FACTOR INDICATOR FOR DISCOMFORT METRICS IN LEARNING SPACE BASED ON ACCEPTABLE DAYLIGHT ILLUMINANCE.**
   2015 | GERAN KPT | COMPLETED | MAIN RESEARCHER

RESEARCH

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

2015 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | MAIN RESEARCHER

PUBLICATION

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

INTERNATIONAL JOURNAL OF ISLAMIC THOUGHT (IJIT)

2025 | JOURNAL | OTHER DATABASE | MAIN AUTHOR

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

ENVIRONMENT-BEHAVIOUR PROCEEDINGS JOURNAL

2025 | JOURNAL | OTHER DATABASE | MAIN AUTHOR

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

JOURNAL OF ADVANCED RESEARCH IN FLUID MECHANICS AND THERMAL SCIENCES

2025 | JOURNAL | SCOPUS | MAIN AUTHOR

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

2025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

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

025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING

2025 | PROCEEDING | OTHER DATABASE | MAIN AUTHOR

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

INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING

2025 | PROCEEDING | OTHER DATABASE | MAIN AUTHOR

7. TRANSFORMASI PENYELIDIKAN PELAJAR: INTEGRASI KECERDASAN BUATAN (AI) DALAM KAJIAN TOPIKAL SENI BINA

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2025 (SAIS 2025)

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

8. ANALYSIS ON SPATIAL QUALITY ISSUES ON B40 FAMILIES LIVING IN LOW QUALITY VERTICAL HOUSING IN MALAYSIA

INTERNATIONAL ARCHITECTURE POSTGRADUATE CONFERENCE 2023

2025 | PROCEEDING | NON-INDEX | MAIN AUTHOR

PUBLICATION

9. VISUAL PRIVACY FACTORS INFLUENCING USAGE OF SPACES FOR URBAN HOUSING

13TH ASIAN CONFERENCE ON ENVIRONMENT-BEHAVIOUR STUDIES

2025 PROCEEDING NON-INDEX MAIN AUTHOR

10. EVALUATING SENSORY DESIGN ON AUTISTICS? LEARNING EXPERIENCES: A PILOT STUDY IN MALAYSIAN CAMPUSES

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2025)

2025 PROCEEDING OTHER DATABASE MAIN AUTHOR

11. PENCAHAYAAN DAN HARMONI DALAM SENIBINA

SENIBINA DAN ALAMBINA, DIMENSI KEINSANAN DAN KEROHANIAN

2025 CHAPTER IN BOOK MAIN AUTHOR

12. 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

13. 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

14. WATIKAH SATU AMANAH

MEMOIR MIZAN HOME DUBAI , SOLAR DEACTHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK MAIN AUTHOR

15. DUBAI, HERE WE COME

MEMOIR MIZAN HOME DUBAI, SOLAR DECATHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK MAIN AUTHOR

16. ISLAM AND THE FINE ARTS

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

2024 CHAPTER IN BOOK MAIN AUTHOR

17. 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

18. DAYLIGHT AND COLOR

EMPOWERING THE BUILT ENVIRONMENT: A MULTIDISCIPLINARY APPROACH

2023 CHAPTER IN BOOK MAIN AUTHOR

19. RESILLIENT LIVING BY OPTIMIZING THE BUILDING FA�ADE IN DESIGNING POST-COVID HOUSING

PLANNING MALAYSIA JOURNAL

2022 JOURNAL OTHER DATABASE MAIN AUTHOR

PUBLICATION

20. 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

21. PERMULAAN AWAL BICARA

MEMOIR SDME

2022 CHAPTER IN BOOK MAIN AUTHOR

22. DAYLIGHT AND COLOUR

EMPOWERING THE BUILT ENVIRONMENT A MULTIDISCIPLINARY APPROACH

2022 CHAPTER IN BOOK MAIN AUTHOR

23. DAYLIGHT EFFICIENCY AND ENERGY SAVING LIGHTING TO MAXIMIZE STUDENTS? ?HAFAZAN? 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

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

SUSTAINABLE LIVING IN THE BUILT ENVIRONMENT

2021 CHAPTER IN BOOK MAIN AUTHOR

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

ASIAN JOURNAL OF UNIVERSITY EDUCATION (AJUE)

2020 JOURNAL SCOPUS MAIN AUTHOR

26. 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

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

4 TH INTERNATIONAL CONFERENCE ON REBUILDING PLACE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

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

SUSTAINABLE INITIATIVE IN USIM DIALOGUE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

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

2019 BOOK MAIN AUTHOR

30. 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

PUBLICATION

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

IOP CONFERENCE SERIES : MATERIAL SC AND ENGINEERING

2018 JOURNAL SCOPUS MAIN AUTHOR

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

MALAYSIAN JOURNAL OF SC HEALTH TECHNOLOGY

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

33. 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

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

CONTEMPORARY ISSUES: ISLAM AND SCIENCE

2018 PROCEEDING NON-INDEX MAIN AUTHOR

35. A HANDBOOK FOR MEASURED DRAWINGS DOCUMENTING WITH NAQLI STUDIES

2018 BOOK MAIN AUTHOR

36. MONOGRAPH MIZANHOME.. FROM CONCEPT TO REALITY

2018 BOOK MAIN AUTHOR

37. CONCEPTUAL IDEAS

MIZANHOME FROM IDEAS TO REALITY

2018 CHAPTER IN BOOK MAIN AUTHOR

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

CONTEMPORARY ISSUES : ISLAM ANS SCIENCE

2018 CHAPTER IN BOOK MAIN AUTHOR

39. 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

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

INTERNATIONAL

2017 PROCEEDING NON-INDEX MAIN AUTHOR

41. 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

PUBLICATION

42. OCCUPANT&#65533;S SATISFACTION AND ENERGY SAVING IN OFFICE BUILDINGS: A CASE STUDY IN STATE FEDERAL BUILDING ,JOHOR BAHRU

JURNAL TEKNOLOGI,

2015 JOURNAL SCOPUS MAIN AUTHOR

43. POTENTIAL OF ENERGY SAVING IN OFFICE BUILDINGS IN MALAYSIA: A SURVEY ON PREFERRED ILLUMINATION LEVELS & OCCUPANTS&#65533;S SATISFACTION

INTERNATIONAL JOINT CONFERENCE OF SENVAR-INTA-AVEN

2015 PROCEEDING NON-INDEX MAIN AUTHOR

44. INTEGRATION OF DAYLIGHT AND &#65533;ISHRAQ ILLUMINANCE PRINCIPLE FOR OFFICE IN MALAYSIA: S AURVEY OF OCCUPANT&#65533;S SATISFACTION IN MALAYSIA

3RD FST ANNUAL COLLOQIUM, USIM

2015 PROCEEDING NON-INDEX MAIN AUTHOR

45. DAYLIGHT IN OFFICE BUiLDINGS IN MALAYSiA: A PILOT STUDY ON OCCUPANTS&#65533; SATISFACTION AND LUMINOUS ENVIRONMENT

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

2013 JOURNAL WOS MAIN AUTHOR

46. 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. ANUGERAH KHAS REKABENTUK KURIKULUM INOVATIF 2025

2025 NATIONAL

2. HONORARY PROFESSOR

2025 INTERNATIONAL

AWARDS/RECOGNITION

3. **BEST PAPER AWARD: TOP 9**

2025 INTERNATIONAL

4. **ANUGERAH STAF CONTOH APRIL 2025**

2025 OTHERS

5. **ANUGERAH AKADEMIK TERBAIK**

2025 UNIVERSITY