

Profile Image

AR. FADLI BIN ARABI

PENSYARAH UNIVERSITI DS13

CONTACT

Phone: 06-7986655

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fadli@usim.edu.my

Faculty: Fakulti
Kejuruteraan Dan Alam
Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 2

Master - Completed: 1,
Ongoing: 0

AREAS OF EXPERTISE

Sustainable And Green Architecture (including Building And Energy Performance, Green Building, Building Integration Of Renewable Energy Sources, Environmental Behaviour, Environmental Narrative, Social And Cultural Sustainability, Climate Change And Resil

Architectural Influences (including Vernacular Architecture, Islamic Architecture And Malaysian Architecture)

Democratic, Participatory Design And Activist Architecture

ACADEMIC QUALIFICATION

Master in Master Of Architecture (2019)

Bachelor in Senibina (1999)

RESEARCH

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

2024

GERAN PENYELIDIKAN USIM

ON GOING

CO-RESEARCHER

2. USIM-UMS ECO-NAQLI HOME

2023

GERAN SEPADAN AGENSI KERAJAAN

ON GOING

CO-RESEARCHER

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

2021

GERAN PENYELIDIKAN FLAGSHIP

ON GOING

CO-RESEARCHER

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

2019

GERAN PENYELIDIKAN USIM

COMPLETED

CO-RESEARCHER

5. RECYCLING @ U USIM

2017 GERAN PENYELIDIKAN INDUSTRI COMPLETED MAIN RESEARCHER

RESEARCH

6. MIZAN SOLAR HOME MODEL FOR SUSTAINABLE LIVELIHOOD

2017 GERAN PENYELIDIKAN KHAS COMPLETED MAIN RESEARCHER

7. DEVELOPING ENERGY EFFICIENCY OFFICE BUILDING IN UNIVERSITI SAINS ISLAM MALAYSIA THROUGH INTERGRATION OF ACTIVE STRATEGIES AND DAYLIGHTING

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED MAIN RESEARCHER

8. PRINCIPLES OF ISLAMIC DWELLING IN MALAYSIA-A COMPILATION OF DATA

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED CO-RESEARCHER

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

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED CO-RESEARCHER

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

2015 GERAN KPT COMPLETED CO-RESEARCHER

PUBLICATION

1. CHAPTER 5 : BUILDING MATERIAL AND CONSTRUCTION AND DETAILS

ISLAMIC ARCHITECTURE AND FINE ART: BARAK KHAN MADRASAH IN UZBEKISTAN

2024 CHAPTER IN BOOK MAIN AUTHOR

2. CHAPTER 12 : BERMULANYA SATU PERJUANGAN

MEMOIR MIZAN HOME DUBAI SOLAR DECATHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK EDITOR

3. CHAPTER 13 : MIZANHOME KITA BERSATU

MEMOIR MIZAN HOME DUBAI SOLAR DECATHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK EDITOR

4. INFOGRAFIK HALATUJU PENDIDIKAN SENIBINA NEGARA

2023 BOOK CO-AUTHOR

5. HALATUJU PENDIDIKAN SENIBINA NEGARA 2030

2023 POLICY

6. ARCHITECTURAL EXPERIMENTAL FIELD MEASUREMENT PROCESS AND PROCEDURE USING CASE STUDY

SOLID STATE TECHNOLOGY

2021 JOURNAL SCOPUS CO-AUTHOR

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

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

2021 PROCEEDING NON-INDEX CO-AUTHOR

8. JOURNAL OF URBAN SKETCHES: THE HERITAGE STREETS OF MELAKA, MALAYSIA.

2021 BOOK EDITOR

9. MEASURING THE AWARENESS OF ARCHITECTURE STUDENTS ON THE USE OF BAMBOO FOR THE MAIN ELEMENTS OF A BUILDING

JOURNAL OF BUILT ENVIRONMENT, TECHNOLOGY AND ENGINEERING

2019 JOURNAL OTHER DATABASE CO-AUTHOR

10. STUDENTS' DAYLIGHT CONDITION PERCEPTION IN TASMI CLASSROOM

4TH INTERNATIONAL CONFERENCE ON REBUILDING PLACE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

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

4TH INTERNATIONAL CONFERENCE ON REBUILDING PLACE

2019 PROCEEDING NON-INDEX CO-AUTHOR

12. CONCEPTUAL ROAD MAP FOR TURNING UNIVERSITI SAINS ISLAM MALAYSIA TO A GREEN CAMPUS

SUSTAINABLE DEVELOPMENT INITIATIVE IN USIM DIALOGUE

2019 PROCEEDING NON-INDEX CO-AUTHOR

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

2019 BOOK MAIN AUTHOR

PUBLICATION

14. HARMONIZATION, LIGHT AND ARCHITECTURE

HARMONIZATION, DECORATION OF ARCHITECTURAL FORMS AND LIGHT

2019 CHAPTER IN BOOK EDITOR

15. 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 CO-AUTHOR

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

INTERNATIONAL JOURNAL OF ADVANCES IN MECHANICAL AND CIVIL ENGINEERING

2018 JOURNAL SCI CO-AUTHOR

17. LIGHT, DAYLIGHTING AND FLUCTUATION OF ILLUMINANCE LEVEL IN OFFICE BUILDINGS

IOP CONFERENCE SERIES MATERIALS SCIENCE AND ENGINEERING

2018 JOURNAL SCOPUS CO-AUTHOR

18. MIZANHOME FROM IDEAS TO REALITY

2018 BOOK MAIN AUTHOR

19. THE ESTABLISHMENT OF ISLAMIC DWELLING PRINCIPLES FOR THE MALAYSIAN COMMUNITIES

JOURNAL OF THE MALAYSIAN INSTITUTE OF PLANNERS

2017 JOURNAL SCOPUS CO-AUTHOR

20. THE POTENTIAL OF ENERGY REFURBISHMENT THROUGH THE INTEGRATION OF DAYLIGHT HARVESTING FOR OFFICE BUILDINGS IN UNIVERSITI SAINS ISLAM MALAYSIA

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS MAIN AUTHOR

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

ASIA PACIFIC PEACE RESEARCH ASSOCIATION (APPA) 2017CONFERENCE

2017 PROCEEDING NON-INDEX MAIN AUTHOR

22. ACCEPTABLE ILLUMINANCE LEVEL ATTRIBUTES TO LEARNING SATISFACTION IN CLASSROOM

INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING TECHNOLOGIES

2017 PROCEEDING NON-INDEX MAIN AUTHOR

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

300TH INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING TECHNOLOGIES (ICIET)

2017 PROCEEDING NON-INDEX CO-AUTHOR

24. MERINTIS KAMPUS BARAKAAH

2017 BOOK CO-AUTHOR

25. PEMBANGUNAN IDENTITI PENGAJIAN PONDOK PEMACU KELESTARIAN KAMPUNG

KAMPUNG REFLECTION ON BALANCE IN DEVELOPMENT

2017 CHAPTER IN BOOK MAIN AUTHOR

26. KESAN PENCAHAYAAN SEMULA JADI KEPADA SENI BINA DAN MANUSIA

PEMBINAAN RUMAH KEDIAMAN MENURUT PERSPEKTIF ISLAM

2017 CHAPTER IN BOOK CO-AUTHOR

PUBLICATION

27. THE POTENTIAL OF ENERGY REFURBISHMENT THROUGH THE INTERGRATION OF DAYLIGHT HAVERSTING FOR OFFICE BUILDINGS IN UNIVERSITI SAINS ISLAM MALAYSIA

INTERNATIONAL CONFERENCE ON ARCHITECTURE AND BUILT ENVIRONMENT 2016 (ICABE2016)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

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

2ND INTERNATIONAL CONFERENCE ON SCIENCE, ENGINEERING AND SOCIAL SCIENCE (ICSCESS 2016)

2016 PROCEEDING NON-INDEX CO-AUTHOR

29. PENGIMBASAN LITERATUR: PERSEPSI DALAM KAJIAN REKABENTUK BANDAR

JOURNAL OF DESIGN + BUILT

2015 JOURNAL WOS CO-AUTHOR

30. PROJECT SHELTER: A CONCEPT OF SHELTER KIT FOR POST DISASTER VICTIMS

JOINT INTERNATIONAL SEMINAR : GREEN RELIGION, SCIENCE AND TECHNOLOGY : PROSPECT AND CHALLENGE FOR SUSTAINABLE LIVE

2015 PROCEEDING NON-INDEX MAIN AUTHOR

31. INTEGRATION OF DAYLIGHT AND QISHRAQ ILLUMINANCE PRINCIPLE FOR OFFICE IN MALAYSIA: A SURVEY OF OCCUPANTS' SATISFACTION IN MALAYSIA

3RD FST ANNUAL COLLOQUIUM, UNIVERSITI SAINS ISLAM MALAYSIA

2015 PROCEEDING NON-INDEX CO-AUTHOR

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

THE INTERNATIONAL CONFERENCE OF SENVAR-INTA-AVAN 2015 : "WISDOM OF THE TROPICS: PAST, PRESENT & FUTURE"

2015 PROCEEDING NON-INDEX CO-AUTHOR

33. 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 CO-AUTHOR

34. EFFECT OF NATURAL LIGHT GLARE ON PASSIVE DESIGN IN MALAYSIAN GOVERNMENT OFFICE BUILDING

AMERICAN TRANSACTIONS ON ENGINEERING & APPLIED SCIENCES

2012 JOURNAL WOS MAIN AUTHOR

CONSULTATION

1. PROJEK KABIN DI CAMARON HIGHLANDS DI ANTARA UNIVERSITI SAINS ISLAM MALAYSIA (USIM) DAN SYARIKAT SH AGRO HIGHLANDS SDN BHD

SYARIKAT SH AGRO HIGHLANDS SDN BHD

2022

OTHERS

2. PERPUSTAKAAN KPI

KOLEJ PERMATA INSAN

2018

UNIVERSITY

3. KING SALMAN CENTER FOR INTERNATIONAL PEACE

GOVERNMENT OF MALAYSIA

2017

INTERNATIONAL

4. CADANGAN ARABIC CAFE

USIM

2017

UNIVERSITY

5. RECYCLING CENTER AT USIM

COCA-COLA

2017

UNIVERSITY

6. PROJEK USIM SHELTER SHOWCASE DAN 2 BUAH RESEARCH OFFICE

UNIVERSITI SAINS ISLAM MALAYSIA

2016

UNIVERSITY

7. PROJECT SHELTER : BANTUAN RUMAH MANGSA BANJIR DI KELANTAN

TESCO (MALAYSIA) SDN BHD

2015

NATIONAL

8. Perunding Projek Perkhidmtan Konsultansi Bagi Mambangunkan Program Sarjana Muda Sains Seni Bina Dengan Kepujian Kolej Universiti Yayasan Sabah Foundation (UCSF)

Kolej Universiti Yayasan Sabah Foundation (UCSF)

Others

AWARDS/RECOGNITION

1. ICE BOX

ICOMPEX 2024- international innovation and invention through exhibition 2024

2024 ANTARABANGSA GOLD

2. EXEMPLARY MODELLING OF ENERGY EFFICIENCY AND ENVIRONMENTALLY SENSITIVE HABITATS: INNOVATIVE PARADIGMS TOWARDS SELF-SUSTAINING HABITAT FOR RURAL COMMUNITIES

ICOMPEX 2024- international innovation and invention through exhibition 2024

2024 ANTARABANGSA GOLD

3. INDOOR COMFORT ENVIRONMENT ICE BOX

ICOMPEX 2024- international innovation and invention through exhibition 2024

2024 ANTARABANGSA CERTIFICATE OF APPRECIATION

4. FINALIST NANSHA INTERNATIONAL BAMBOO PAVILLION DESIGN 2023

2023 INTERNATIONAL

5. ICE BOX (INDOOR, COMFORT, ENVIRONMENT)

34th INTERNATIONAL INVENTION & TECHNOLOGY EXHIBITION MALAYSIA (ITEX2023)

2023 ANTARABANGSA GOLD

6. ANUGERAH SENI DAN BUDAYA

2022 UNIVERSITY

7. ACADEMIC ADVISOR

INTERNATIONAL STUDENT COMPETITION IN ARCHITECTURAL DESIGN AND CONSTRUCTION OF BAMBOO 2022 "HALF PAVILION"

2022 INTERNATIONAL

8. ICE BOX (INDOOR, COMFORT, ENVIRONMENT)

Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)

2022 ANTARABANGSA GOLD

9. BEST THESIS AWARD FOREST RESEARCH INSTITUTE MALAYSIA (FRIM) 2021

2021 NATIONAL

10. ACADEMIC ADVISOR

PROGRAM PENJANA KPT-CAP ; KONTRAKTOR RUMAH (PROFESSIONAL IBS X BIM)

2021 UNIVERSITY

11. FINALIST SOLAR DECATHLON AFRICA 2019

2019 INTERNATIONAL

12. VISITING SCHOLAR

TASHKENT INSTITUTE OF ARCHITECTURE AND CIVIL ENGINEERING

2019 INTERNATIONAL

13. ANUGERAH PERKHIDMATAN CEMERLANG

2018 UNIVERSITY

14. FINALIST SOLAR DCATHLON MIDDLE EAST 2018

2018 INTERNATIONAL

AWARDS/RECOGNITION

15. TRIPLE EYE LID: EDIBLE GARDEN PASSIVE COOLING AND AIR FILTRATION SYSTEM IN SURIS

29th International invention,innovation& technology exhibition 2018 (ITEX 2018)

2018

KEBANGSAAN

GOLD

16. TRIPLE EYE LID: PASSIVE COOLING AND AIR FILTRATION SYSTEM FOR RESIDENTIAL

8th EXPOSITION ON ISLAMIC INNOVATION (i-INOVA) 2018

2018

UNIVERSITI

SILVER

17. I-SOLD: A PROTOTYPE OF SOLAR COOLING INTEGRATED FACADE FOR BALANCING HUMAN COMFORT, SUSTAINABILITY IN WORKING AND LEARNING SPACE

8th EXPOSITION ON ISLAMIC INNOVATION (i-INOVA) 2018

2018

UNIVERSITI

BRONZE

18. ANUGERAH PENSYARAH AKTIF GOALS

2017

UNIVERSITY

19. BRONZE MEDAL PECIPTA 2017 (USIM MIZAN HOMESTAY)

2017

NATIONAL

20. MIZAN SOLARHOME

27TH INTERNATIONAL INVENTION & INNOVATION EXHIBITION 2017 (ITEX 2017)

2017

ANTARABANGSA

SILVER

21. ACADEMIC ADVISOR

TAYLORS UNIVERSITY

2016

UNIVERSITY