

Profile Image

## AR. DR. WAN NORISMA WAN ISMAIL

PENSYARAH UNIVERSITI DS13

### CONTACT

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**E-mail:**

norisma@usim.edu.my

**Faculty:** Fakulti  
Kejuruteraan Dan Alam  
Bina

### SUPERVISION

PhD - Completed: 0, O.  
2

Master - Completed: 0,  
Ongoing: 1

### AREAS OF EXPERTISE

Architectural Education And Extension (including Architecture Education, Architecture Pedagogy, Design Studio Pedagogy, Making, Crafting, And Learning)

Urbanism In Architecture (including Public Space, Placemaking, Space Syntax, Human Geography, Responsive Architecture, Urban Tourism, Urban Villages, Urban Housing, Media Architecture And Urban Management)

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

### ACADEMIC QUALIFICATION

PhD in Seni Bina (2021)

Master in Senibina (2012)

Bachelor in Senibina (2000)

Diploma in Senibina (1996)

### RESEARCH

#### 1. USIM-UMS ECO-NAQLI HOME

2023   GERAN SEPADAN AGENSI KERAJAAN   ON GOING   MAIN  
RESEARCHER

#### 2. DEVELOPMENT OF ALLEYS BRANDING AND WAYFINDING FRAMEWORK FOR ALLEYS COGNIZANCE AND COMMUNITY SAFETY

2023   GERAN PENYELIDIKAN USIM   ON GOING   CO-RESEARCHER

### **3. MODEL PEREKODAN ARKIB DIGITAL BAGI PEMELIHARAAN DAN PEMULIHARAAN TIPOLOGI MASJID WARISAN**

2023 GERAN PENYELIDIKAN USIM ON GOING CO-RESEARCHER

### **4. ENHANCING SPATIAL QUALITY AND LAYOUT DESIGN OF LOW-COST VERTICAL HOUSING IN MALAYSIA BASED ON SHARIAH COMPLIANCY AND ISLAMIC BUILDING PRINCIPLES**

2021 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

### **5. MODELLING TRANSIT ORIENTED DEVELOPMENT (TOD) FOR THE EFFECTIVENESS AND INTEGRATION OF URBAN SUSTAINABLE LIVELIHOOD**

2020 GERAN SEPADAN KOMUNITI ON GOING CO-RESEARCHER

# RESEARCH

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## 6. MIZAN SOLAR HOME MODEL FOR SUSTAINABLE LIVELIHOOD

2017 GERAN PENYELIDIKAN KHAS COMPLETED CO-RESEARCHER

## 7. PRINCIPLES OF ISLAMIC DWELLING IN MALAYSIA-A COMPIILATION OF DATA

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED MAIN RESEARCHER

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

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED CO-RESEARCHER

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

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED CO-RESEARCHER

## 10. A PILOT PROJECT OF POTENTIAL RENEWABLE ENERGY FARMING AT USIM SUSTAINABLE CAMPUS DEVELOPMENT

2015 GERAN PENYELIDIKAN PENTADBIR COMPLETED CO-RESEARCHER

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

2015 GERAN KPT COMPLETED CO-RESEARCHER

# PUBLICATION

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## 1. IDENTIFYING AND CATEGORIZING BUILDING DEFECTS AND FAILURES CAUSED BY OVERLOADING

ADVANCES IN APPLIED MECHANICS

2024 JOURNAL ISI CO-AUTHOR

## 2. MEMOIR MIZAN HOME DUBAI SOLAR DECATHLON MIDDLE EAST 2018

2024 BOOK MAIN AUTHOR

## 3. CHAPTER 5: PASUKAN DREAMTEAM

MEMOIR MIZAN HOME DUBAI SOLAR DECATHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK MAIN AUTHOR

## 4. CHAPTER 4: KISAH REKABENTUK NAN SATU

MEMOIR MIZAN HOME DUBAI SOLAR DECATHLON MIDDLE EAST 2018

2024 CHAPTER IN BOOK MAIN AUTHOR

## 5. 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

## 6. STRATEGIC PLANNING OF SUSTAINABLE MAINTENANCE IN HERITAGE SCHOOL BUILDING: MALAYSIA PERSPECTIVE

INTERNATIONAL JOURNAL OF BUILDING PATHOLOGY AND ADAPTATION

2022 JOURNAL SCOPUS CO-AUTHOR

## 7. 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

## 8. TOWARDS A CLASSROOM CONDITION INDEX (CCI) ASSESSMENT SCHEME: ASSESSMENT CATEGORIES AND THEIR PERFORMANCE INDICATOR

JOURNAL OF FACILITIES MANAGEMENT

2021 JOURNAL ERA MAIN AUTHOR / CONTACT PERSON IN USIM

## 9. INDOOR ENVIRONMENTAL QUALITY TOWARDS CLASSROOMS' COMFORT LEVEL: CASE STUDY AT MALAYSIAN SECONDARY SCHOOL BUILDING

JOURNAL OF APPLIED SCIENCES

2021 JOURNAL ERA MAIN AUTHOR / CONTACT PERSON IN USIM

## 10. JOURNAL OF URBAN SKETCHES: THE HISTORIC STREETS OF MELAKA, MALAYSIA

2021 BOOK CO-AUTHOR

## 11. PHYSICAL QUALITIES AND ELEMENTS OF STREETS IN THE CONTEXT OF ROYAL TOWN IN MALAYSIA

RUPKATHA JOURNAL ON INTERDISCIPLINARY STUDIES IN HUMANITIES

2020 JOURNAL WOS MAIN AUTHOR / CONTACT PERSON IN USIM

## 12. HISTORIC STREETSCAPE CHARACTERIZATION: EXPLORING THE EVOLUTION OF STREET IN THE MALAY ROYAL TOWN

INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING (IJRTE)

2019 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

## 13. STREETS OF ROYAL TOWN: EXPLORING THE PHYSICAL CHARACTER OF TRADITIONAL STREET IN THE MALAY ROYAL TOWN

THE JOURNAL OF SOCIAL SCIENCES RESEARCH

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

# PUBLICATION

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## 14. CHAPTER 1 - CONCEPTUAL IDEAS

MIZANHOME: FROM IDEAS TO REALITY

2018 CHAPTER IN BOOK MAIN AUTHOR

## 15. CHAPTER 1 - CONCEPTUAL IDEAS

MIZANHOME: FROM IDEAS TO REALITY

2018 CHAPTER IN BOOK MAIN AUTHOR

## 16. KAMPUNG DAN HALAMAN: HILANGNYA SEBUAH IDENTITI

KAMPUNG: REFLECTION ON BALANCED IN DEVELOPMENT

2017 CHAPTER IN BOOK CO-AUTHOR

## 17. THE ESTABLISHMENT OF ISLAMIC DWELLING PRINCIPLES FOR THE MALAYSIAN COMMUNITIES

INTERNATIONAL CONFERENCE ON ARCHITECTURE AND BUILT ENVIRONMENT

2016 JOURNAL SCOPUS MAIN AUTHOR

## 18. ACCEPTANCE ILLUMINANCE LEVEL ATTRIBUTES TO VISUAL COMFORT IN OFFICE BUILDINGS

INTERNATIONAL CONFERENCE OF SCIENCE, ENGINEERING AND THE SOCIAL SCIENCES

2016 JOURNAL SCOPUS CO-AUTHOR

## 19. SEIMBANG ITU INDAH : FROM THE PERSPECTIVES OF BUILT ENVIRONMENT

2016 BOOK CO-AUTHOR

## 20. PEMBINAAN RUMAH KEDIAMAN MENURUT PERSPEKTIF ISLAM

2016 BOOK CO-AUTHOR

## 21. A LITERATURE STUDY ON CRITERIA FOR RETROFITTING ENERGY EFFICIENCY OFFICE BUILDING IN UNIVERSITI SAINS ISLAM MALAYSIA

INTERNATIONAL JOINT CONFERENCE OF SENVAR-INTA-AVAN

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 22. INTEGRATION OF DAYLIGHT AND "ISHRAQ ILLUMINANCE PRINCIPLE FOR OFFICE BUILDING IN MALAYSIA: SURVEY OF OCCUPANT'S SATISFACTION IN MALAYSIA

3RD FST ANNUAL COLLOQUIUM, USIM

2015 PROCEEDING NON-INDEX CO-AUTHOR

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

INTERNATIONAL JOINT CONFERENCE OF SENVAR-INTA-AVAN 2015

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 24. 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, SEMARANG, INDONESIA

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 25. MANUAL SENIBINA

2015 BOOK CO-AUTHOR

## 26. BUILDING ENERGY EFFICIENCY TECHNICAL GUIDELINE FOR PASSIVE DESIGN

2015 BOOK CO-AUTHOR

# PUBLICATION

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## 27. A CONCEPTUAL APPROACH IN SUSTAINABLE HOUSING IN MALAYSIA

THE INTERNATIONAL JOURNAL OF ENVIRONMENT, CULTURAL, ECONOMIC AND SOCIAL SUSTAINABILITY

2012 JOURNAL SCOPUS MAIN AUTHOR

## 28. PLEDGING FOR THE ENVIRONMENT: ONE ACT AT A TIME

THE INTERNATIONAL JOURNAL OF ENVIRONMENT, CULTURAL, ECONOMIC AND SOCIAL SUSTAINABILITY

2011 JOURNAL SSCI CO-AUTHOR

## 29. GOVERNANCE, SUSTAINABILITY AND THE NEW ZEALAND SMALL TO MEDIUM ENTERPRISE SECTOR

THE INTERNATIONAL JOURNAL OF ENVIRONMENTAL, CULTURAL, ECONOMIC AND SOCIAL SUSTAINABILITY

2011 JOURNAL SCI CO-AUTHOR

## 30. NAVIGATING THE JOURNEY TO SUSTAINABILITY: THE CASE FOR EMBEDDING SUSTAINABILITY LITERACY INTO ALL TERTIARY EDUCATION BUSINESS PROGRAMS

INTERNATIONAL JOURNAL OF ENVIRONMENTAL, CULTURAL, ECONOMIC AND SOCIAL SUSTAINABILITY

2011 JOURNAL SCOPUS CO-AUTHOR

## 31. CITIZEN SCIENCE, CRITICAL NUMERACY AND PLACE-BASED LEARNING: PRACTICES FOR CONNECTING PRE-SERVICES PRIMARY/MIDDLE TEACHERS TO COMMUNITY AND PLACE

THE INTERNATIONAL JOURNAL OF ENVIRONMENTAL, CULTURAL, ECONOMIC AND SOCIAL SUSTAINABILITY

2011 JOURNAL SSCI CO-AUTHOR

## 32. ISSUE ON SUSTAINABLE HOUSING IN MALAYSIA : A CONCEPTUAL APPROACH

PROSIDING SINERGI PENATAAN RUANG DAN LINGKUNGAN DALAM MEWUJUDKAN KOTA HIJAU YANG BERKELANJUTAN

2010 PROCEEDING NON-INDEX MAIN AUTHOR

# CONSULTATION

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## 1. AHLI JAWATANKUASA PROJEK PEMBANGUNAN PROGRAM SARJANA MUDA SAINS SENIBINA DENGAN KEPUJIAN KOLEJ UNIVERSITI YAYASAN SABAH (KUYS)

USIM- KUYS

2024 UNIVERSITY

## 2. PROJECT BANTUAN BANJIR (PROJECT SHELTER) DAN PEJABAT PENYELIDIKAN LESTARI (SUSTAINABLE RESEARCH OFFICE), USIM

USIM

2016 UNIVERSITY

## 3. SOLAR DECATHLON MIDDLE EAST 2018 - CONSULTATION ON TECHNICAL, CONTRACTUAL AND PROFESSIONAL ADVISES.

WNA ARCHITECS

2016 INTERNATIONAL

## 4. PROJECT SHELTER : RUMAH BANTUAN UNTUK MANGSA BANJIR DI TUMPAT, KELANTAN

TESCO MALAYSIA (SDN BHD)

2015 NATIONAL

# AWARDS/RECOGNITION

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**1. HONORABLE MENTION - 7TH GUANGDONG-HONG KONG-MACAO GREATER BAY AREA-ASEAN INTERNATIONAL COLLEGES DESIGN & CONSTRUCTION COMPETITION 2024.**

2024 INTERNATIONAL

**2. ANUGERAH BUKU ILMIAH TERBAIK 2023 - JOURNAL OF URBAN SKETCHES THE HISTORIC STREETS OF MELAKA, MALAYSIA**

2024 UNIVERSITY

**3. TVET IDEA GOLD MEDAL AWARD - INTERNATIONAL INNOVATION AND INVENTION COMPETITION THROUGH EXHIBITION 2024 "EXAMPLARY MODELLING OF ENERGY EFFICIENCY AND ENVIRONMENTALLY SENSITIVE HABITATS: INNOVATIVE PARADIGNS TOWARDS SELF-SUSTAINING HABITAT FOR RURAL COMMUN**

2024 NATIONAL

**4. GOLD MEDAL AWARD - INTERNATIONAL INNOVATION AND INVENTION COMPETITION THROUGH EXHIBITION 2024 "INDOOR COMFORT ENVIRONMENT: ICEBOX"**

2024 INTERNATIONAL

**5. BEST INNOVATION AWARD - INTERNATIONAL INNOVATION AND INVENTION COMPETITION THROUGH EXHIBITION 2024 "INDOOR COMFORT ENVIRONMENT: ICEBOX"**

2024 NATIONAL

**6. ACADEMIC ADVISOR**

UNIVERSITI MALAYSIA SARAWAK

2024 NATIONAL

**7. ACADEMIC ADVISOR**

UNIVERSITI PUTRA MALAYSIA

2024 NATIONAL

**8. ACADEMIC ADVISOR**

UNIVERSITI KEBANGSAAN MALAYSIA

2024 NATIONAL

**9. ACADEMIC ADVISOR**

BOARD OF ARCHITECTS MALAYSIA

2024 NATIONAL

**10. ACADEMIC ADVISOR**

BOARD OF ARCHITECTS MALAYSIA

2024 NATIONAL

**11. ACADEMIC ADVISOR**

TASHKENT UNIVERSITY OF ARCHITECTURE AND CIVIL ENGINEERING UZBEKISTAN AND USIM MALAYSIA

2024 INTERNATIONAL

**12. ACADEMIC ADVISOR**

KEMENTERIAN PENDIDIKAN TINGGI, JABATAN PENDIDIKAN TINGGI, LEMBAGA ARKITEK MALAYSIA, MAJLIS AKREDITASI PENDIDIKAN SENIBINA MALAYSIA

2024 NATIONAL

**13. ACADEMIC ADVISOR**

JABATAN PENDIDIKAN NEGERI SEMBILAN, USIM, PENANG SCIENCE CLUSTER, MYDIGITAL MAKER, CHUMBAKA

2024 NATIONAL

**14. ICE BOX**

ICOMPEX 2024- international innovation and invention through exhibition 2024

2024

ANTARABANGSA

GOLD

# AWARDS/RECOGNITION

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## 15. USIM-UMS ECO-NAQLI HOME

RESEARCH SEMINAR UNIVERSITI SAINS ISLAM MALAYSIA

2024    UNIVERSITI    CERTIFICATE OF APPRECIATION

## 16. 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

## 17. INDOOR COMFORT ENVIRONMENT ICE BOX

ICOMPEX 2024- international innovation and invention through exhibition 2024

2024    ANTARABANGSA    CERTIFICATE OF APPRECIATION

## 18. ANUGERAH AKADEMIK TERBAIK FAKULTI KEJURUTERAAN DAN ALAM BINA

2023    UNIVERSITY

## 19. FINALIST - BAMBOO 2023 INTERNATIONAL STUDENT COMPETITION IN ARCHITECTURAL DESIGN AND CONSTRUCTION (6TH GUANGDONG-HONG KONG-MACAO GREATER BAY AREA-ASEAN INTERNATIONAL COLLEGES & UNIVERSITIES DESIGN & CONSTRUCTION COMPETITION 2023)

2023    INTERNATIONAL

## 20. ACADEMIC ADVISOR

UNIVERSITI MALAYSIA SARAWAK

2023    NATIONAL

## 21. ACADEMIC ADVISOR

UNIVERSITI PUTRA MALAYSIA

2023    NATIONAL

## 22. ACADEMIC ADVISOR

LEMBAGA ARKITEK MALAYSIA

2023    NATIONAL

## 23. ACADEMIC ADVISOR

LEMBAGA ARKITEK MALAYSIA

2023    NATIONAL

## 24. ACADEMIC ADVISOR

CITY UNIVERSITY

2023    NATIONAL

## 25. ICE BOX (INDOOR, COMFORT, ENVIRONMENT)

34th INTERNATIONAL INVENTION & TECHNOLOGY EXHIBITION MALAYSIA (ITEX2023)

2023    ANTARABANGSA    GOLD

## 26. PERSIDANGAN DAN EKSPON CIPTAAN INSTITUSI PENGAJIAN TINGGI ANTARABANGSA - PINGAT EMAS

2022    NATIONAL

## 27. ACADEMIC ADVISOR

LEMBAGA ARKITEK MALAYSIA

2022    NATIONAL



# AWARDS/RECOGNITION

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## 29. ACADEMIC ADVISOR

UNIVERSITI KEBANGSAAN MALAYSIA

2022 UNIVERSITY

## 30. ICE BOX (INDOOR, COMFORT, ENVIRONMENT)

Persidangan dan Ekspos Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)

2022 ANTARABANGSA GOLD

## 31. THE VIRTUAL EXHIBITION COMPETITION

2021 BAMBOO COMPETITION INSPIRED BY TRADITION

2021 KEBANGSAAN GOLD

## 32. KILLER DRAWING

1st INTERNATIONAL ARCHITECTURAL EDUCATION EXHIBITION AND CONFERENCE 2021

2021 ANTARABANGSA SILVER

## 33. TESIS CEMERLANG

2020 UNIVERSITY

## 34. ACADEMIC ADVISOR

UNIVERSITI SAINS ISLAM MALAYSIA

2020 UNIVERSITY

## 35. ACADEMIC ADVISOR

LEMBAGA ARKITEK MALAYSIA

2020 NATIONAL

## 36. VISITING RESEARCHER

LEMBAGA ARKITEK MALAYSIA

2020 NATIONAL

## 37. ACADEMIC ADVISOR

UNIVERSITI KEBANGSAAN MALAYSIA

2018 NATIONAL

## 38. TRIPLE EYE LID: EDIBLE GARDEN PASSIVE COOLING AND AIR FILTERATION SYSTEM IN SURIS

29th International Invention, Innovation & Technology exhibition 2018 (ITEX 2018)

2018 KEBANGSAAN GOLD

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

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

2018 UNIVERSITI SILVER

## 40. USIM MIZAN HOMESTAY PECIPTA'17

2017 UNIVERSITY

## 41. ACADEMIC ADVISOR

LINTON COLLEGE UNIVERSITY

2017 UNIVERSITY

## 42. MIZAN SOLARHOME

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

2017 ANTARABANGSA SILVER

# AWARDS/RECOGNITION

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## 43. ANUGERAH PENSYARAH AKTIF TAHUN 2015

2016 UNIVERSITY

## 44. KARNIVAL PESONA USIM-IMYIYAZ 2016

2016 UNIVERSITY

## 45. CERTIFICATE OF PARTICIPATION

2016 UNIVERSITY

## 46. ACADEMIC ADVISOR

UNIVERSITI SAINS ISLAM MALAYSIA

2016 UNIVERSITY

## 47. PENCAPAIAN CEMERLANG (MUMTAZ) PENILAIAN KURSUS DAN PENGAJARAN (ENILAI)

2015 UNIVERSITY

## 48. PENYEDIAAN OUTCOME PROGRAM/PROJEK PEMBANGUNAN KEMENTERIAN PENDIDIKAN MALAYSIA (SEKTOR PENGJIAN TINGGI)

2015 NATIONAL

## 49. ACADEMIC ADVISOR

UNIVERSITI PUTRA MALAYSIA

2015 UNIVERSITY

## 50. ACADEMIC ADVISOR

UNIVERSITI TEKNOLOGI MALAYSIA

2015 UNIVERSITY

## 51. ACADEMIC ADVISOR

UNIVERSITI TEKNOLOGI MALAYSIA

2015 UNIVERSITY

## 52. ACADEMIC ADVISOR

UNIVERSITI TEKNOLOGI MALAYSIA

2015 UNIVERSITY

## 53. ACADEMIC ADVISOR

UNIVERSITI KEBANGSAAN MALAYSIA

2015 UNIVERSITY

## 54. ACADEMIC ADVISOR

UNIVERSITI KEBANGSAAN MALAYSIA

2014 UNIVERSITY

## 55. ACADEMIC ADVISOR

UNIVERSITI TEKNOLOGI MALAYSIA

2014 UNIVERSITY