

PROF. MADYA DR. AZIRA BINTI KHALIL

PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

PhD	1 COMPLETED	0 ONGOING
Master	0 COMPLETED	2 ONGOING

AREAS OF EXPERTISE

- Medical Radiography And Imaging
- Digital Image Processing Algorithm And Techniques
- Technique And Instrumentation In Medical Device, Equipment And System

ACADEMIC QUALIFICATION

- 2018 **PhD** - Biomedical Engineering
- 2013 **Master** - Medical Radiation Physics
- 2011 **Bachelor** - Medical Imaging

RESEARCH

1. FETAL CARDIAC ABNORMALITIES DETECTION IN ULTRASOUND IMAGING THROUGH AN INTEGRATED DEEP LEARNING FRAMEWORK

2024 | GERAN KPT | ON GOING | MAIN RESEARCHER

2. AWARENESS, PERCEPTION, ACCEPTANCE AND ADOPTION OF MALAYSIA'S NATIONAL DIGITAL IDENTITY (NDI) INITIATIVES FROM SERVICE PROVIDERS' PERSPECTIVE

2022 | GERAN PENYELIDIKAN AGENSI KERAJAAN | COMPLETED | MAIN RESEARCHER

3. INVESTIGATION OF TRI-MODALITY IMAGE REGISTRATION FOR NAVIGATING CARDIOVASCULAR DISEASE TREATMENT PROCEDURE

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. CONNECTED BIOMEDICAL DEVICES AND DIGITAL INTEGRATION

BIOMEDICAL ENGINEERING: AI AND TECHNOLOGICAL INNOVATIONS

2025 CHAPTER IN BOOK MAIN AUTHOR

2. DEVELOPMENT OF A WEB-BASED MATERNAL HEALTH MONITORING SYSTEM: ADVANCING BEYOND MANUAL RECORD-KEEPING

BIOMEDICAL ENGINEERING: AI AND TECHNOLOGICAL INNOVATION

2025 CHAPTER IN BOOK MAIN AUTHOR

3. AWARENESS, PERCEPTION, ACCEPTANCE, AND ADOPTION OF MALAYSIA'S NATIONAL DIGITAL IDENTITY INITIATIVES FROM SERVICE PROVIDERS' PERSPECTIVE

MEDIA MATTERS DIGITAL SOCIETY RESEARCH REPORT VOL 7

2025 CHAPTER IN BOOK MAIN AUTHOR

4. ADVENTUROUS ZONE OF INNOVATION AND EDUCATION (A.Z.I.E LAB)

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL 2024) X KONGRES DAN PERTANDINGAN INOVASI PENGAJARAN & PEMBELAJARAN UKM (KNOVASI 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

5. MARKETING THE 5G ECOSYSTEM READINESS AS A GAME-CHANGER FOR THE HEALTHCARE INDUSTRY: TRANSFORMING IDEAS INTO REALITY

INTERNATIONAL CONFERENCE ON BUSINESS, ACCOUNTING AND FINANCE: EMBRACING NEW BUSINESS PARADIGM SHIFTS

2024 PROCEEDING NON-INDEX MAIN AUTHOR

6. INTEGRATING CHATBOT TECHNOLOGY INTO PRIMARY HEALTH CARE: ENHANCING MENTAL HEALTH SUPPORT FOR THE ADOLESCENT POPULATION

THE 1ST INTERNATIONAL CONFERENCE: GLOBAL HEALTH: MULTI APPROACH FOR PRIMARY HEALTHCARE SYSTEM

2024 PROCEEDING NON-INDEX MAIN AUTHOR

7. AN OVERVIEW ON IMAGE REGISTRATION TECHNIQUES FOR CARDIAC DIAGNOSIS AND TREATMENT

CARDIOLOGY RESEARCH AND PRACTICE

2018 JOURNAL WOS MAIN AUTHOR

8. 2D TO 3D FUSION OF ECHOCARDIOGRAPHY AND CARDIAC CT FOR TAVR AND TAVI IMAGE GUIDANCE

MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING

2017 JOURNAL WOS MAIN AUTHOR

9. MULTIMODALITY REGISTRATION OF TWO-DIMENSIONAL ECHOCARDIOGRAPHY AND CARDIAC CT FOR MITRAL VALVE DIAGNOSIS AND SURGICAL PLANNING

JOURNAL OF MEDICAL IMAGING

2017 JOURNAL WOS MAIN AUTHOR

10. MITRAL VALVE RIGID REGISTRATION USING 2D ECHOCARDIOGRAPHY AND CARDIAC COMPUTED TOMOGRAPHY

2017 INTERNATIONAL CONFERENCE ON APPLIED SYSTEM INNOVATION (ICASI)

2017 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

11. ECHOCARDIOGRAPHY TO CARDIAC CT IMAGE REGISTRATION: SPATIAL AND TEMPORAL REGISTRATION OF THE 2D PLANAR ECHOCARDIOGRAPHY IMAGES WITH CARDIAC CT VOLUME

2016 IEEE 18TH INTERNATIONAL CONFERENCE ON E-HEALTH NETWORKING, APPLICATIONS AND SERVICES (HEALTHCOM)

2016 | PROCEEDING | NON-INDEX | MAIN AUTHOR

AWARDS/RECOGNITION

1. ANUGERAH LIBATSAMA KOMUNITI

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2. ANUGERAH PENERIMA GERAN PENYELIDIKAN

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3. ANUGERAH PENGAJARAN

2025 | UNIVERSITY

4. ANUGERAH PENYELIA TERBILANG

2025 | UNIVERSITY

5. STAF CONTOH BULAN MAC

2025 | UNIVERSITY