



**PROF. MADYA DR. AZIRA
BINTI KHALIL**

PENSYARAH UNIVERSITI DS14

CONTACT

Phone: 88732

E-mail: azira@usim.edu.my

Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 1, Ongoing: 0

Master - Completed: 0, Ongoing: 2

AREAS OF EXPERTISE

Medical Radiography And Imaging

Digital Image Processing Algorithm And Techniques

Technique And Instrumentation In Medical Device, Equipment And System

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Biomedical Engineering.

ACADEMIC QUALIFICATION

Phd in Biomedical Engineering (2018)

Master in Medical Radiation Physics (2013)

Bachelor in Medical Imaging (2011)

RESEARCH

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

2024 ON GOING MAIN RESEARCHER

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

2022 COMPLETED MAIN RESEARCHER

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

2019 COMPLETED MAIN RESEARCHER

PUBLICATION

1. CONNECTED BIOMEDICAL DEVICES AND DIGITAL INTEGRATION

2025 CHAPTER IN BOOK

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

2025 CHAPTER IN BOOK

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

2025 CHAPTER IN BOOK

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

2024 PROCEEDING

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

2024 PROCEEDING

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

2024 PROCEEDING

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

2018 JOURNAL

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

2017 JOURNAL

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

2017 JOURNAL

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

2017 PROCEEDING

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

2016 PROCEEDING

AWARDS/RECOGNITION

1. ANUGERAH LIBATSAMA KOMUNITI

2025 UNIVERSITY

2. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY

3. ANUGERAH PENGAJARAN

2025 UNIVERSITY

4. ANUGERAH PENYELIA TERBILANG

2025

UNIVERSITY

5. STAF CONTOH BULAN MAC

2025

UNIVERSITY