



DR. FAUZUN BINTI ABDULLAH ASUHAIMI

PENSYARAH UNIVERSITI DS13

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Address: Fakulti
Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 1, Ongoing: 0

AREAS OF EXPERTISE

Other Communication Engineering N.e.c

Radio Frequency And Wireless Systems

Artificial Intelligence And Optimisation Methods

BIOGRAPHY

A lecturer from Fakulti Kejuruteraan Dan Alam Bina. Holds a Phd in Electronics And Electrical Engineering.

ACADEMIC QUALIFICATION

Phd in Electronics And Electrical Engineering (2019)

Master in Electrical - Electronics And Telecommunications (2014)

Bachelor in Communication Engineering (2012)

RESEARCH

1. QUANTUM-INSPIRED RESOURCE ALLOCATION FOR UAV-ASSISTED 6G NETWORKS

2026 ON GOING MAIN RESEARCHER

2. FARMNET: DECENTRALIZED MONITORING AND CONTROL SYSTEM FOR POULTRY FARM MANAGEMENT

2026 ON GOING MAIN RESEARCHER

3. RESOURCE MANAGEMENT OPTIMIZATION IN 6G NETWORK FOR SMART GRID COMMUNICATIONS USING DEEP LEARNING

2022 ON GOING MAIN RESEARCHER

PUBLICATION

1. OPTIMIZATIONS OF IOT-EDGE COMPUTING IN SMART GRID WIDE AREA NETWORK.

2024 CHAPTER IN BOOK

2. DURIAN DETECTION AND COUNTING SYSTEM USING DEEP LEARNING

2023 JOURNAL

3. SIMULATION STUDY OF ULTRASONIC TOMOGRAPHY APPROACH IN DETECTING FOREIGN OBJECT IN MILK PACKAGING

2023 JOURNAL

4. ENERGY EFFICIENCY MILLIMETER-WAVE COMMUNICATIONS FOR FLOATING PHOTOVOLTAIC IN SMART GRID

2023 CHAPTER IN BOOK

5. ENERGY EFFICIENT SCHEDULING IN SMART HOME USING DEEP REINFORCEMENT LEARNING

2022 PROCEEDING

6. RESOURCE ALLOCATION SCHEDULING FOR DELAY OPTIMIZATION IN 6G TERAHERTZ COMMUNICATION USING DEEP REINFORCEMENT LEARNING

2022 PROCEEDING

7. ENERGY EFFICIENT DEVICE-TO-DEVICE COMMUNICATIONS UNDERLAYING CELLULAR NETWORKS FOR SMART GRID NEIGHBOURHOOD AREA NETWORKS

2021 CHAPTER IN BOOK

8. DELAY-AWARE ENERGY-EFFICIENT JOINT POWER CONTROL AND MODE SELECTION IN DEVICE-TO-DEVICE COMMUNICATIONS FOR FREEDM SYSTEMS IN SMART GRIDS

2019 JOURNAL

9. CHANNEL ACCESS AND POWER CONTROL FOR ENERGY- EFFICIENT DELAY-AWARE HETEROGENEOUS CELLULAR NETWORKS FOR SMART GRID COMMUNICATIONS USING DEEP REINFORCEMENT LEARNING

2019 JOURNAL

10. JOINT RESOURCE ALLOCATION AND POWER CONTROL IN HETEROGENEOUS CELLULAR NETWORKS FOR SMART GRIDS

2018 PROCEEDING

11. DELAY-OPTIMAL RELAY SELECTION IN DEVICE-TO-DEVICE COMMUNICATIONS FOR SMART GRID

2017 PROCEEDING

AWARDS/RECOGNITION

1. STAF CONTOH MEI 2025

2025 UNIVERSITY

2. STRESS MONITOR CHICKEN: TEMPERATURE ALERT SYSTEM

2025 Antarabangsa Silver

3. REBAN PINTAR ? THE AUTONOMOUS AND SUSTAINABLE SMART CHICKEN COOP SYSTEM

2025 Antarabangsa Silver

4. EV?KAPCAI

2025

Kebangsaan

Gold

5. STAFF CONTOH BULANAN

2024

UNIVERSITY