

Profile Image

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CONTACT

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Faculty: Fakulti Kejuruteraan
Dan Alam Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 1, Ongoing: 1

AREAS OF EXPERTISE

Control Theory

Field Robots

Other Electircal And Electronic Engineering

Autonomous System

ACADEMIC QUALIFICATION

PhD in Electrical Engineering (2019)

Master in Electrical - Mechatronics And Automatic Control (2015)

Bachelor in Electrical & Electronic Engineering (2011)

RESEARCH

**1. TAARIQ: DESIGN AND DEVELOPMENT OF AN AL-BASED
HUMANOID ROBOT**

2023

GERAN PENYELIDIKAN KHAS

ON GOING

MAIN RESEARCHER

**2. TAARIQ: AUTONOMOUS PERSON-FOLLOWING TELEPRESENCE
ROBOT USING STEREO CAMERA AND DEEP LEARNING YOLO**

2022

GERAN PENYELIDIKAN USIM

ON GOING

MAIN RESEARCHER

3. AUTOMATIC DISINFECTION CHAMBER

2020

GERAN PENYELIDIKAN COVID-19

COMPLETED

MAIN

RESEARCHER

PUBLICATION

1. LEADER-FOLLOWER FORMATION CONTROL OF QUADROTORS WITH COLLISION AVOIDANCE USING ARTIFICIAL POTENTIAL FIELD

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS) 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

2. ADAPTIVE PID CONTROLLER USING SLIDING MODE CONTROL APPROACHES FOR QUADROTOR UAV ATTITUDE AND POSITION STABILIZATION

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING

2020 JOURNAL ISI MAIN AUTHOR

3. CONSENSUS TRACKING CONTROL OF MULTIPLE QUADROTORS WITH A COOPERATIVE LEADER APPLICATIONS OF MODELLING AND SIMULATION

2020 JOURNAL OTHER DATABASE MAIN AUTHOR

4. TRAJECTORY TRACKING OF A QUADROTOR WITH DISTURBANCE REJECTION USING EXTENDED STATE OBSERVER

2020 IEEE ASIA-PACIFIC CONFERENCE ON COMPUTER SCIENCE AND DATA ENGINEERING (CSDE)

2020 PROCEEDING NON-INDEX MAIN AUTHOR

5. DESIGN OF A LOW-COST AUTOMATIC DISINFECTION CHAMBER

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS 2020)

2020 PROCEEDING NON-INDEX MAIN AUTHOR

6. DISTURBANCE OBSERVER-BASED FORMATION TRACKING CONTROL OF MULTIPLE QUADROTORS IN THE PRESENCE OF DISTURBANCES

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL

2019 JOURNAL ISI MAIN AUTHOR

7. INTELLIGENT OBSERVER-BASED FEEDBACK LINEARIZATION FOR AUTONOMOUS QUADROTOR CONTROL

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY (UAE)

2018 JOURNAL SCOPUS MAIN AUTHOR

8. FEEDBACK LINEARIZATION WITH INTELLIGENT DISTURBANCE OBSERVER FOR AUTONOMOUS QUADROTOR WITH TIME-VARYING DISTURBANCE

INTERNATIONAL JOURNAL OF MECHANICAL AND MECHATRONICS ENGINEERING

2018 JOURNAL SCOPUS MAIN AUTHOR

9. OPTIMAL FORMATION CONTROL OF MULTIPLE QUADROTORS BASED ON PARTICLE SWARM OPTIMIZATION

COMMUNICATIONS IN COMPUTER AND INFORMATION SCIENCE

2017 CHAPTER IN BOOK MAIN AUTHOR

10. SYSTEM IDENTIFICATION AND PREDICTIVE FUNCTIONAL CONTROL FOR ELECTRO-HYDRAULIC ACTUATOR SYSTEM

2015 IEEE INTERNATIONAL SYMPOSIUM ON ROBOTICS AND INTELLIGENT SENSORS (IRIS)

2015 PROCEEDING NON-INDEX MAIN AUTHOR

AWARDS/RECOGNITION

1. GOLD IN INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024

NATIONAL

2. STAF CONTOH (JULAI 2024)

2024

OTHERS

3. MUSOLLI COMPANION

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024

UNIVERSITI

BRONZE

4. INT-CART: INTELLIGENT SHOPPING CART ROBOT

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024

UNIVERSITI

GOLD

5. TAARIQ: AUTONOMOUS PERSON-FOLLOWING TELEPRESENCE ROBOT USING STEREO CAMERA AND DEEP LEARNING YOLO

RESEARCH SEMINAR UNIVERSITI SAINS ISLAM MALAYSIA

2024

UNIVERSITI

CERTIFICATE OF APPRECIATION