



DR. NOOR HANIS IZZUDDIN BIN MAT LAZIM

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CONTACT

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Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 1, Ongoing: 1

AREAS OF EXPERTISE

Control Theory

Field Robots

Other Electrical And Electronic Engineering

Autonomous System

BIOGRAPHY

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

ACADEMIC QUALIFICATION

Phd in Electrical Engineering (2019)

Master in Electrical - Mechatronics And Automatic Control (2015)

Bachelor in Electrical & Electronic Engineering (2011)

RESEARCH

1. DELAY-AWARE PREDICTIVE CONTROL OF A UAV FOR AUTONOMOUS POWER LINE- GUIDED INSPECTION

2025

ON GOING

MAIN RESEARCHER

2. TAARIQ: DESIGN AND DEVELOPMENT OF AN AI-BASED HUMANOID ROBOT

2023

ON GOING

MAIN RESEARCHER

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

2022

ON GOING

MAIN RESEARCHER

4. AUTOMATIC DISINFECTION CHAMBER

2020

COMPLETED

MAIN RESEARCHER

PUBLICATION

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

2021 PROCEEDING

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

2020 JOURNAL

3. CONSENSUS TRACKING CONTROL OF MULTIPLE QUADROTORS WITH A COOPERATIVE LEADER

2020 JOURNAL

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

2020 PROCEEDING

5. DESIGN OF A LOW-COST AUTOMATIC DISINFECTION CHAMBER

2020 PROCEEDING

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

2019 JOURNAL

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

2018 JOURNAL

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

2018 JOURNAL

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

2017 CHAPTER IN BOOK

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

2015 PROCEEDING

AWARDS/RECOGNITION

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

2024 NATIONAL

2. STAF CONTOH (JULAI 2024)

2024 OTHERS

3. MUSOLLI COMPANION

2024 Universiti Bronze

4. INT-CART: INTELLIGENT SHOPPING CART ROBOT

2024 Universiti Gold

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

2024

Universiti

Certificate of appreciation