



**DR. NOR ATIRAH IZZAH  
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PENSYARAH UNIVERSITI DS13

## **CONTACT**

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**Faculty:** Kolej Permata Insan

## **AREAS OF EXPERTISE**

Applied Mathematics

Fuzzy Mathematics

Mathematical Programming And Optimisation

Computational Mathematics

Mathematical Prediction

## **ACADEMIC QUALIFICATION**

PhD in Mathematics (2020)

Master in Mathematics (2013)

Bachelor in Mathematics (2011)

## **SUPERVISION**

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

## PUBLICATION

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### 1. FUZZY PREDATOR-PREY SYSTEMS BY EXTENDED RUNGE-KUTTA METHOD WITH POLYNOMIAL INTERPOLATION TECHNIQUE

SEMARAK INTERNATIONAL JOURNAL OF MACHINE?LEARNING

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

### 2. CRYPTOGRAPHY: DISCOVERY AWARENESS AMONG PERMATA INSAN COLLEGE STUDENT

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

### 3. MINI SURVEY ON LEARNING JAPANESE LANGUAGE AMONG PERMATA INSAN COLLEGE STUDENTS

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

### 4. THE NOTION OF STABILITY OF A DIFFERENTIAL EQUATION AND DELAY DIFFERENTIAL EQUATION MODEL OF HIV INFECTION OF CD4+ T-CELLS

INTERNATIONAL JOURNAL OF MATHEMATICS AND COMPUTERS IN SIMULATION

2021 JOURNAL OTHER DATABASE MAIN AUTHOR / CONTACT PERSON IN USIM

### 5. FAST AND ROBUST PARAMETER ESTIMATION IN THE APPLICATION OF FUZZY LOGISTIC EQUATIONS IN POPULATION GROWTH

MATEMATIKA: MALAYSIAN JOURNAL OF INDUSTRIAL AND APPLIED MATHEMATICS

2019 JOURNAL MYCITE CORRESPONDING AUTHOR

### 6. THE APPLICATION OF FUZZY LOGISTIC EQUATIONS IN POPULATION GROWTH WITH PARAMETER ESTIMATION VIA MINIMIZATION

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2017 JOURNAL INDEXED BY WOS MAIN AUTHOR / CONTACT PERSON IN USIM

### 7. MULTISCALE BOUNDARY ELEMENT METHOD FOR LAPLACE EQUATION

JURNAL TEKNOLOGI

2016 JOURNAL INDEXED BY ISI, SCOPUS AND ERA CO-AUTHOR

### 8. FUZZY LOGISTIC EQUATION BY POLYNOMIAL INTERPOLATION

AIP CONFERENCE PROCEEDINGS

2016 JOURNAL INDEXED BY SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

### 9. THE EXISTENCE AND UNIQUENESS THEOREMS OF FUZZY DELAY DIFFERENTIAL EQUATIONS

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2014 JOURNAL INDEXED BY WOS MAIN AUTHOR / CONTACT PERSON IN USIM

# AWARDS/RECOGNITION

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**1. ANUGERAH PENYELIDIK HARAPAN**

2024 UNIVERSITY

**2. ANUGERAH PENYELIDIK CEMERLANG (JURNAL ARTIKEL TERBAIK)**

2024 UNIVERSITY

**3. ANUGERAH INOVASI TERBAIK**

2024 UNIVERSITY

**4. ANUGERAH JURI TERBAIK**

2024 UNIVERSITY

**5. ANUGERAH PENILAI BERKUALITI**

2024 UNIVERSITY

**6. ANUGERAH PENILAI GERAN BERKUALITI**

2024 UNIVERSITY

**7. ACADEMIC ADVISOR**

UNIVERSITI SAINS ISLAM MALAYSIA

2024 UNIVERSITY

**8. FUZZY PREDATOR-PREY SYSTEMS BY EXTENDED RUNGE-KUTTA ?METHOD WITH POLYNOMIAL INTERPOLATION TECHNIQUE**

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024 ANTARABANGSA SILVER

**9. ASSESSING CREATIVITY IN GIFTED STUDENTS USING FUZZY LOGIC TECHNIQUES**

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA BRONZE

**10. DEVELOPING MATHEMATICAL PUZZLE-BASED GAMES TO ENHANCE CREATIVE THINKING SKILLS IN JUNIOR HIGH SCHOOL STUDENTS**

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA BRONZE

**11. THE DEVELOPMENT OF PUZZLE AS A PEDAGOGIC TOOL TO ENHANCE THE ABILITY OF MATHEMATICAL CREATIVE THINKING AMONG GIFTED STUDENTS**

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA SILVER