



**DR. NURUL FARIHAN BINTI  
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PENSYARAH UNIVERSITI DS13

## CONTACT

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## SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

## AREAS OF EXPERTISE

Operations Research

## ACADEMIC QUALIFICATION

PhD in Matematik (2017)

Bachelor in Industrial Mathematics (2010)

## RESEARCH

1. NUMERICAL CODES OF HYBRID METHODS FOR INTEGRATED  
MODEL IN TRANSPORTATION OPERATION PLANNING

2019

GERAN PENYELIDIKAN USIM

COMPLETED

MAIN RESEARCHER

# PUBLICATION

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## 1. APPLICATION OF THE SIMPLEX METHOD ON PROFIT MAXIMIZATION IN BAKER'S COTTAGE

INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

2022 JOURNAL SCOPUS MAIN AUTHOR

## 2. MATHEMATICS

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT INTEGRASI NAQLI DAN AQLI (IGED) TAHAP 1

2022 CHAPTER IN BOOK MAIN AUTHOR

## 3. POLISI AKADEMIK KOLEJ GENIUS INSAN 2022

2022 POLICY

## 4. THE EFFECTIVENESS OF FLIPPED CLASSROOM IN TEACHING MATHEMATICS FOR STUDENTS: A REVIEW OF LITERATURE

ACTIVE LEARNING IN EDUCATION 4.0 STUDENTS AS OWNERS OF LEARNING

2021 CHAPTER IN BOOK MAIN AUTHOR

## 5. INSTANTANEOUS SPEED RATIO OF TRAFFIC FLOWING THROUGH A MERGING AREA AT KILOMETER 31.6 ON THE HIGHWAY FROM SHAH ALAM TO KUALA LUMPUR

PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY

2020 JOURNAL ISI, SCOPUS AND ERA MAIN AUTHOR

## 6. COMPARISON OF TWO HYBRID ALGORITHMS ON INCORPORATED AIRCRAFT ROUTING AND CREW PAIRING PROBLEMS

INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

2020 JOURNAL SCOPUS MAIN AUTHOR

## 7. THE INTEGRATED AIRCRAFT ROUTING AND CREW PAIRING PROBLEM: ILP BASED FORMULATION

JURNAL TEKNOLOGI

2016 JOURNAL SCOPUS MAIN AUTHOR

## 8. A HEURISTIC AND EXACT METHOD: INTEGRATED AIRCRAFT ROUTING AND CREW PAIRING PROBLEM

MODERN APPLIED SCIENCE

2016 JOURNAL ERA MAIN AUTHOR

## 9. DEVELOPMENT OF HYBRID ALGORITHM FOR INTEGRATED AIRCRAFT ROUTING PROBLEM AND CREW PAIRING PROBLEM

INDIAN JOURNAL OF SCIENCE & TECHNOLOGY

2016 JOURNAL ERA MAIN AUTHOR

## CONSULTATION

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### 1. MALAYSIAN RESEARCH AND DEVELOPMENT CLASSIFICATION SYSTEM (MRDCS) 7TH EDITION

MOSTI

2021

NATIONAL

## AWARDS/RECOGNITION

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### 1. ANUGERAH INOVASI PEMBELAJARAN TERBAIK

2024

OTHERS

### 2. ANUGERAH PENULIS BUKU CEMERLANG

2024

UNIVERSITY

### 3. ANUGERAH PENULIS CEMERLANG BULANAN MAC 2024

2024

UNIVERSITY

### 4. OPTIMIZATION OF EXTRACTION TEMPERATURE AND TIME FOR ANTIOXIDANT LENTINUS EDODES USING RESPONSE SURFACE METHODOLOGY (RSM)

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024

ANTARABANGSA

BRONZE

### 5. THE DEVELOPMENT OF A MATHEMATICAL MODELLING A DIET PROBLEM FOR BURGER KING SETS MENU IN MALAYSIA

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024

UNIVERSITI

BRONZE