

Profile Image

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### CONTACT

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Faculty: Kolej Permata  
Insan

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0,  
Ongoing: 0

## AREAS OF EXPERTISE

Education And Instruction In Mathematics

Calculus

Elementary Algebra

## ACADEMIC QUALIFICATION

PhD in Matematik (2017)

Master in Matematik (2012)

Bachelor in Matematik (2010)

## RESEARCH

### 1. NAQLI APPROACHES ON MATHEMATICAL THINKING AMONG GIFTED AND TALENTED MUSLIM STUDENTS

2024

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

MAIN RESEARCHER

### 2. PEMBANGUNAN PEMPROFILAN KECENDERUNGAN MURID PINTAR BERBAKAT MUSLIM KOLEJ PERMATA INSAN

2024

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

MAIN RESEARCHER

### 3. MAPPING THE TENDENCIES OF SCIENCE AND MEMORIZATION OF THE QURAN AMONG GIFTED AND TALENTED MUSLIMS STUDENTS

2021

GERAN PENYELIDIKAN KHAS

COMPLETED

MAIN RESEARCHER

# PUBLICATION

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## 1. THE EFFECTIVENESS OF AL-KHAWARIZMI MODULE BASED ON NUMBERS AMONG GIFTED AND TALENTED MUSLIM STUDENTS

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 2. G-MATH DEVELOPMENT TO ENHANCE MATHEMATICS LEARNING AMONG GIFTED AND TALENTED MUSLIM STUDENTS

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 3. DEVELOPMENT OF AL-KHAWARIZMI NUMBER BASE MODULE FOR GIFTED AND TALENTED MUSLIM STUDENTS

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 4. GENETIC FACTORS INFLUENCE LEFT-HANDED AMONG GIFTED AND TALENTED MUSLIM STUDENTS

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 5. STEM IN MARS BASE: 3D DIGITAL GAMIFICATION

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 6. THE CONCEPT OF TRANSFORMATION ON PANDAN MAT WEAVING ART

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2022 (IJURECON 2022)

2022 PROCEEDING MYCITE MAIN AUTHOR

## 7. TESSELLATION ON PATTERN OF KELARAI KEPALA GAJAH IN PANDAN MAT WEAVING ART

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2022 (IJURECON)

2022 PROCEEDING MYCITE MAIN AUTHOR

## 8. MENGENALPASTI KECENDERUNGAN MINAT MURID PINTAR DAN BERBAKAT MUSLIM DALAM BIDANG SAINS

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2022 (IJURECON 2022)

2022 PROCEEDING NON-INDEX MAIN AUTHOR

## 9. BAB 5: KGI DI PERSADA DUNIA (KEJAYAAN ALUMNI KGI)

LAPORAN TAHUNAN 2021 KOLEJ GENIUS INSAN

2022 CHAPTER IN BOOK MAIN AUTHOR

## 10. MODUL MATEMATIK TAHAP 1 HAMZAH

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI & AQLI (IGED), KOLEJ GENIUS INSAN

2022 CHAPTER IN BOOK MAIN AUTHOR

## 11. MODUL MATEMATIK TAMBAHAN TAHAP 1 HAMZAH

MODUL MATEMATIK TAHAP 1 PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI & AQLI (IGED), KOLEJ GENIUS INSAN

2022 CHAPTER IN BOOK MAIN AUTHOR

## 12. MODUL MATEMATIK TAHAP 1 ALI

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI & AQLI (IGED), KOLEJ GENIUS INSAN

2022 CHAPTER IN BOOK MAIN AUTHOR

## 13. MODUL MATEMATIK TAHAP 2

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI & AQLI (IGED), KOLEJ GENIUS INSAN

2022 CHAPTER IN BOOK MAIN AUTHOR

# PUBLICATION

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## 14. MODUL MATEMATIK TAHAP 2 HAMZAH

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI & AQLI (IGED), KOLEJ GENIUS INSAN

2022 CHAPTER IN BOOK MAIN AUTHOR

## 15. PENULIS POLISI AKADEMIK KOLEJ GENIUS INSAN

2022 POLICY

## 16. 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

## 17. ANALYTICAL SOLUTION OF NON-HOMOGENEOUS ONE-DIMENSIONAL HEAT EQUATION WITH DIFFERENT BOUNDARY CONDITIONS

INTERNATIONAL SCIENCE AND SOCIAL SCIENCE INNOVATION COMPETITION (I-SIC 2019)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

## 18. LEAK DETECTION OF NON-ISOTHERMAL TRANSIENT FLOW OF HYDROGEN-NATURAL GAS MIXTURE

JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES

2017 JOURNAL WOS MAIN AUTHOR

## 19. THE EFFECT OF MASS RATIO ON THE FLOW CHARACTERISTICS OF HYDROGEN-NATURAL GAS MIXTURE USING REDUCED ORDER MODELLING

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2017 JOURNAL SCOPUS MAIN AUTHOR

## 20. ANALYSIS OF WATER HAMMER WITH DIFFERENT CLOSING VALVE LAWS ON TRANSIENT FLOW OF HYDROGEN-NATURAL GAS MIXTURE

ABSTRACT AND APPLIED ANALYSIS

2015 JOURNAL SCOPUS MAIN AUTHOR

# CONSULTATION

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## 1. PENYELARAS PROGRAM BAITI JANNATI KOLEJ PERMATA INSAN TAHUN 2023

KOLEJ PERMATA INSAN

2023

UNIVERSITY

## 2. PEMEGANG AMANAH BANTUAN KEBAJIKAN B40 KOLEJ GENIUS INSAN

KOLEJ GENIUS INSAN, UNIVERSITI SAINS ISLAM MALAYSIA

2021

UNIVERSITY

# AWARDS/RECOGNITION

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## 1. TEMPAT PERTAMA PERTANDINGAN ANYAMAN KETUPAT SAMBUTAN HARI RAYA DAN HARI GURU KOLEJ PERMATA INSAN 2024

2024

UNIVERSITY

## 2. ANUGERAH PENULIS BUKU CEMERLANG

2024

UNIVERSITY

## 3. ANUGERAH KECEMERLANGAN AKADEMIK MATA PELAJARAN MATEMATIK KOLEJ PERMATA INSAN SPM 2023

2024

STATE

## 4. ANUGERAH INOVASI TERBAIK APRIL 2024

2024

UNIVERSITY

## 5. ANUGERAH INOVASI TERBAIK NOVEMBER 2024

2024

UNIVERSITY