



DR. ROSITA BINTI ZAINAL

PENSYARAH UNIVERSITI DS13

CONTACT

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rosita@usim.edu.my

Faculty: Kolej Permata
Insan

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0,
Ongoing: 0

AREAS OF EXPERTISE

Extension Education In Mathematics (including Encouraging Stem Education, Popularisation And Acculturation Of Mathematics)

Psychology In Mathematics Education

Group Theory

ACADEMIC QUALIFICATION

PhD in Matematik (2016)

Master in Matematik (2012)

Bachelor in Matematik (2010)

Diploma in Sains (2007)

RESEARCH

1. MATHEMATICS CASE STUDY: SPM TRIAL AND SPM AMONG GIFTED AND TALENTED STUDENTS IN KOLEJ PERMATA INSAN

2024

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

MAIN RESEARCHER

2. INFOGRAFIK JUZUK 30: PENTAFSIRAN AL-QURAN BERORIENTASIKAN SAINS

2024

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

CO-RESEARCHER

3. PEMBANGUNAN MODUL SOSIOEMOSI KETERUJAHAN LUAR BIASA (OVEREXCITABILITIES) DALAM KALANGAN PELAJAR PINTAR DAN BERBAKAT MUSLIM DENGAN MEMPERKASAKAN PERANAN IBU BAPA

2024

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

CO-RESEARCHER

4. PEMBANGUNAN PEMPROFILAN KECENDERUNGAN MURID PINTAR BERBAKAT MUSLIM KOLEJ PERMATA INSAN

2024 GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) ON GOING
CO-RESEARCHER

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

2021 GERAN PENYELIDIKAN KHAS COMPLETED CO-RESEARCHER

RESEARCH

6. PEMERKASAAN SAINS ISLAM : PEMBANGUNAN MODUL KEM RAHSIA ALAM

2018 GERAN PENYELIDIKAN INDUSTRI COMPLETED CO-RESEARCHER

7. DIFFERENT NATURAL ECOSYSTEM STIMULATORS ON COGNITIVE ABILITY OF GIFTED AND TALENTED STUDENTS

2017 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED MAIN RESEARCHER

8. PROFILING OF BRAINWAVE SIGNALS OF GIFTED AND TALENTED MUSLIM STUDENTS

2017 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED CO-RESEARCHER

9. EFFECTIVENESS OF HALAL ACTION FOR YOUNG SCIENTIST PROJECT AMONG SECONDARY STUDENTS

2017 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED CO-RESEARCHER

PUBLICATION

1. GEOMETRIC TRANSFORMATIONS IN KELARAI CIK KEDAH KETAPANG: EXPLORING THE MATHEMATICAL FOUNDATION OF A TRADITIONAL MALAY WEAVING PATTERN

SEMARAK INTERNATIONAL JOURNAL OF FUNDAMENTAL AND APPLIED MATHEMATICS

2025 JOURNAL OTHER DATABASE MAIN AUTHOR

2. MEASURING THE LEVEL OF PERFECTIONISM AMONG MUSLIM GIFTED AND TALENTED STUDENTS

ABQARI : JOURNAL OF ISLAMIC SOCIAL SCIENCES AND HUMANITY

2024 JOURNAL MYCITE MAIN AUTHOR

3. MENEROKA KESEDARAN TENTANG ISU MENCEDERAKAN DIRI SENDIRI (SELF-HARM) DALAM KALANGAN PELAJAR MUSLIM PINTAR DAN BERBAKAT

5TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE & INNOVATION 2024 (IJURECON 2024)

2024 PROCEEDING NON-INDEX CO-AUTHOR

4. BRIDGING KNOWLEDGE: I-FORENSIC FOR HALFWIT

INTERNATIONAL LANGUAGE AND EDUCATION INNOVATION COMPETITION

2024 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

5. KECENDERUNGAN MINAT MURID PINTAR DAN BERBAKAT MUSLIM DALAM BIDANG SAINS

3RD INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2022 (IJURECON 2022)

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

6. THE EFFECTIVENESS OF ENRICHMENT PROGRAMS AMONG SECONDARY GIFTED AND TALENTED MUSLIM STUDENTS

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCE

2022 PROCEEDING NON-INDEX MAIN AUTHOR

7. MATEMATIK: DR ROSITA ZAINAL

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

2022 CHAPTER IN BOOK MAIN AUTHOR

8. MATEMATIK: DR ROSITA ZAINAL

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI DAN AQLI (IGED), ASAS 2

2022 CHAPTER IN BOOK MAIN AUTHOR

9. APPLICATION OF INTEGRATION METHOD IN BLOOD FLOW SYSTEM

JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON)

2021 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

10. EKSPLORASI MATEMATIK

MENZAHIR RAHSIA ALAM

2020 CHAPTER IN BOOK CO-AUTHOR

11. A NOTE ON THE COGNITIVE ABILITIES TOWARD NATURAL ECOSYSTEM OF GIFTED AND TALENTED MUSLIM STUDENTS

ABQARI : JOURNAL OF ISLAMIC SOCIAL SCIENCES AND HUMANITY

2019 JOURNAL MYCITE MAIN AUTHOR

12. SATISFACTION TOWARDS AN ENRICHMENT PROGRAMMES: HALAL ACTION FOR YOUNG SCIENTISTS CAMP

SOCIAL AND MANAGEMENT RESEARCH JOURNAL

2019 JOURNAL MYCITE CO-AUTHOR

13. TEACHING METHODS OF INTEGRATED NAQLI AND AQLI KNOWLEDGE FOR GIFTED AND TALENTED MUSLIM STUDENTS

JOURNAL OF ACADEMIA

2018 JOURNAL ERA CO-AUTHOR

PUBLICATION

14. AN INTRODUCTION AND APPROACHES OF COGNITIVE ABILITIES TOWARD ECOSYSTEM AMONG GIFTED AND TALENTED STUDENTS IN KOLEJ PERMATA INSAN

SEMINAR SERANTAU PENDIDIKAN TINGGI ISLAM KE 5

2018 PROCEEDING NON-INDEX MAIN AUTHOR

15. ON THE HOMOLOGICAL FUNCTORS AND CAPABILITY OF ABELIAN GROUPS OF ORDER P^6

THE 6TH INTERNATIONAL CONFERENCE ON COMPUTER ENGINEERING AND MATHEMATICAL SCIENCES (ICCEMS 2017)

2017 PROCEEDING NON-INDEX MAIN AUTHOR

16. HOMOLOGICAL FUNCTORS AND CAPABILITY OF SOME FINITE P-GROUPS

RECENT ADVANCES IN HOMOLOGICAL FUNCTORS AND CAPABILITY OF GROUPS

2015 CHAPTER IN BOOK CO-AUTHOR

17. ON THE CAPABILITY OF NONABELIAN GROUPS OF ORDER P^4

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK KE-21

2013 PROCEEDING NON-INDEX MAIN AUTHOR

18. THE SCHUR MULTIPLIER AND NONABELIAN TENSOR SQUARE OF SOME GROUPS OF P-POWER ORDER

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK KE-21

2012 PROCEEDING NON-INDEX MAIN AUTHOR

19. HOMOLOGICAL FUNCTORS OF SOME FINITE TWO-GENERATOR TWO-GROUPS OF NILPOTENCY CLASS TWO

ADVANCES IN GROUP THEORY, DNA SPLICING AND COMPLEX ANALYSIS

2012 CHAPTER IN BOOK CO-AUTHOR

20. THE NONABELIAN TENSOR SQUARES OF SOME 2-ENGEL GROUPS

ADVANCES IN GROUP THEORY, DNA SPLICING AND COMPLEX ANALYSIS

2012 CHAPTER IN BOOK CO-AUTHOR

CONSULTATION

1. MUAMALAT INTERACTIVE GAME TOURNAMENT

FAKULTI EKONOMI DAN MUAMALAT, USIM DAN USIM

2018

NATIONAL

2. PERTANDINGAN GLOBAL ZAKAT GAME PERINGKAT KEBANGSAAN 2017

INSTITUT PENGURUSAN DAN PENYELIDIKAN FATWA SEDUNIA (INFAD), UNIVERSITI SAINS ISLAM MALAYSIA (USIM) DAN PERSATUAN KAKITANGAN AKADEMIK USIM (PKA USIM)

2017

NATIONAL

3. PEMBENTANGAN PELAJAR, NAQUL INSAN, INTERNATIONAL ADVISORY PANEL FORUM, KOLEJ PERMATA INSAN, UNIVERSITI SAINS ISLAM MALAYSIA

YAYASAN PERMATA DAN KOLEJ PERMATA INSAN

2017

OTHERS

AWARDS/RECOGNITION

1. ANUGERAH PERKHIDMATAN CEMERLANG

2025 UNIVERSITY

2. ANUGERAH STAF CONTOH (KATEGORI AKADEMIK)

2025 OTHERS

3. WRITER OF THE MONTH

2025 OTHERS

4. MINDA SIHAT MELALUI MAKANAN SUNNAH)

INSAN Junior Researchers International Conference (ijURECON 2025)

2025 ANTARABANGSA SILVER

5. LEARNING WITHOUT WALLS: ADVANCEING EXTENDED LEARNING TROUGH KNOWLEDGE)

INSAN Junior Researchers International Conference (ijURECON 2025)

2025 ANTARABANGSA SILVER

6. PEMBANGUNAN TAFSIR JUZUK 30 BERINFOGRAFIK SAINS- BEST ORIGINAL CONCEPT AWARD

INSAN Junior Researchers International Conference (ijURECON 2025)

2025 ANTARABANGSA

7. MINDBALANCE: DEVELOPMENT OF A WEB-BASED ASSESSMENT PLATFORM FOR MEASURING PERFECTIONISM AND STRESS IN GIFTED AND TALENTED STUDENTS.

JOHOR INTERNATIONAL INNOVATION, INVENTION COMPETITION AND SYMPOSIUM 2025 (JIIICaS 2025)

2025 ANTARABANGSA GOLD

8. I-KNOWLEDGE: BRIDGING MYSTERIES, MEASURES & MINDS

JOHOR INTERNATIONAL INNOVATION, INVENTION COMPETITION AND SYMPOSIUM 2025 (JIIICaS 2025)

2025 ANTARABANGSA GOLD

9. EXPLORING KNOWLEDGE AND ATTITUDES ON GERONTOLOGY AMONG MUSLIM GIFTED AND TALENTED STUDENTS

INSAN Junior Researchers International Conference (ijURECON 2025)

2025 ANTARABANGSA SILVER

10. ANUGERAH INOVASI PEMBELAJARAN TERBAIK

2024 OTHERS

11. ANUGERAH PENULIS JURNAL CEMERLANG NOVEMBER 2024

2024 OTHERS

12. ANUGERAH PENULIS BUKU CEMERLANG JULAI 2024

2024 OTHERS

13. ANUGERAH PENILAI BERKUALITI JULAI 2024

2024 OTHERS

14. ANUGERAH PENILAI BERKUALITI JUN 2024

2024 OTHERS

AWARDS/RECOGNITION

15. ASSESSING STRESS LEVELS AMONG MUSLIM GIFTED STUDENTS: A QUANTITATIVE INQUIRY

INTERNATIONAL CONFERENCE ON COMMUNICATION STUDIES, NEW MEDIA & SOCIAL SCIENCE (ICCSNS)

2024 ANTARABANGSA BEST PAPER AWARD

16. BRIDGING KNOWLEDGE: I-FORENSIC FOR HALFWIT

International Language and Education Innovation Competition 2024 (i-INNOLED 2024)

2024 ANTARABANGSA BRONZE

17. MENEROKA KESEDARAN TENTANG ISU MENCEDERAKAN DIRI SENDIRI (SELF-HARM) DALAM KALANGAN PELAJAR MUSLIM PINTAR DAN BERBAKAT

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA GOLD

18. INVESTIGATING THE IMPACT OF MUSIC ON PHYSIOLOGICAL RESPONSES DURING MATH TASK COMPLETION

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA GOLD

19. MINDBALANCE: A TOOL TO MEASURE PERFECTIONISM AND STRESS LEVEL AMONG GIFTED AND TALENTED STUDENTS

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA GOLD

20. A NOTE ON THE CONCEPT OF ISOMETRIC TRANSFORMATION ON KELARAI CIK KEDAH KETAPANG WEAVING ART

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA GOLD

21. BRIDGING KNOWLEDGE: I-CIMATHS FOR ABQARIAN

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA BRONZE

22. BRIDGING KNOWLEDGE: I-FORENSIC FOR HALFWIT

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI BRONZE

23. ANUGERAH PEMBANGUNAN HOLISTIK

2022 UNIVERSITY

24. ANUGERAH PENSYARAH PALING TEGAS

2022 UNIVERSITY

25. KECENDERUNGAN MINAT MURID PINTAR DAN BERBAKAT MUSLIM DALAM BIDANG SAINS

INTERNATIONAL CONFERENCE 2022 (IJURECON 2022)

2022 ANTARABANGSA GOLD

26. PENSYARAH PALING TEGAS

2021 UNIVERSITY

27. STAF CONTOH (KATEGORI AKADEMIK)

2020 UNIVERSITY

28. MOST PROMISING YOUNG PRESENTER

2020 INTERNATIONAL

AWARDS/RECOGNITION

29. ANUGERAH PENSYARAH PALING TEGAS 2019

2019 OTHERS

30. ANUGERAH SATF CONTOH (KATEGORI AKADEMIK) KOLEJ GENIUS INSAN BAGI BULAN JUN 2019

2019 UNIVERSITY

31. HADIAH SANJUNGAN TESIS DOKTOR FALSAFAH

2017 NATIONAL

32. JOHAN KESELURUHAN, PERTANDINGAN GLOBAL ZAKAT GAME PERINGKAT KEBANGSAAN 2017

2017 NATIONAL

33. JOHAN KATEGORI SEKOLAH MENENGAH, PERTANDINGAN GLOBAL ZAKAT GAME PERINGKAT KEBANGSAAN 2017

2017 NATIONAL