



SITI RUBAINI BINTI MAT

GURU BAHASA DG13

CONTACT

Phone: 7030

E-mail:
sitirubaini@usim.edu.my

Faculty: Pusat Tamhidi

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0,
Ongoing: 0

AREAS OF EXPERTISE

Main Group Chemistry

Molecular And Structural Biology

Nutrient Composition Of Food

Food Analysis

Food Chemistry

Gelatine

Meat Products

Biotechnology

ACADEMIC QUALIFICATION

Master in Sains Makanan (2004)

Bachelor in Sains Makanan (2001)

Sijil in Sains (1997)

RESEARCH

1. DESIGNING AN OKU FRIENDLY TEACHING AND LEARNING ECOSYSTEM BY EXPLORING THE MOBILITY CHALLENGES IN USIM

2023 GERAN PENYELIDIKAN SKIM GURU (DG) ON GOING CO-RESEARCHER

2. THE EFFECT OF ECHO IN MUET LISTENING TEST IN PUSAT TAMHIDI

2016 GERAN JANGKA PENDEK FASA 1 COMPLETED CO-RESEARCHER

3. INTRODUCING THE ELEMENTS OF DALIL NAKLI IN THE CHEMISTRY CURRICULUM AT PRE-UNIVERSITY LEVEL OF PUSAT TAMHIDI USIM

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED MAIN RESEARCHER

PUBLICATION

1. PENDEKATAN BENGKEL AKHIR SEMESTER: KAEDAH ULANGKAJI KOLABORATIF KURSUS KIMIA DI PUSAT TAMHIDI USIM

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS) 2025

2025 PROCEEDING NON-INDEX MAIN AUTHOR

2. PENGENALAN KEPADA KOMBUCHA: SEJARAH, PROSES PENAPAIAN DAN KANDUNGAN PEMAKANAN

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS) 2025

2025 PROCEEDING NON-INDEX MAIN AUTHOR

3. E-PROSIDING SAIS 2025 ENGLISH SEMINAR ANTARABANGSA ISLAM DAN SAINS 2025

2025 BOOK

4. LAB MANUAL: PHYSICAL & ORGANIC CHEMISTRY

2025 BOOK

5. MENGENAL PASTI KESUKARAN MOBILITI FIZIKAL GURU DALAM PERSEKITARAN KELAS DENGAN TUJUAN UNTUK MEWUJUDKAN KELAS MESRA ORANG KURANG UPAYA

E-PROSIDING SAIS 2024 SEMINAR ANTARABANGSA ISLAM DAN SAINS 2024

2024 PROCEEDING MYCITE CO-AUTHOR

6. CREATIVE TEACHING METHOD FOR CHEMICAL BONDING TOPIC BY USING PHYSICAL PROP (MINI EYE) AND MOLECULAR MODEL KIT WITH MOLVIEW WEB-APPLICATION

PERTANDINGAN INOVASI INTER-ASASI MATRIKULASI PIITRAM 2024, UNIVERSITI SAINS ISLAM MALAYSIA

2024 PROCEEDING NON-INDEX MAIN AUTHOR

7. KESEDARAN REMAJA TERHADAP STATUS HALAL GELATIN DALAM SNEK PASARAN: SUATU TINJAUAN LITERATUR

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024)

2024 PROCEEDING NON-INDEX CO-AUTHOR

8. KESEJAHTERAAN DALAM PENDIDIKAN: PENEROKAAN ISU PENDEMOKRASIAN, PENGKOMERSIALAN DAN PENGANTARABANGSAAN INSTITUSI PENGAJIAN TINGGI DI MALAYSIA

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

9. MOBILITY CHALLENGES FOR IMPAIRED TEACHERS AND STUDENTS IN USIM: INITIAL RESEARCH INQUIRY

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2023

2023 PROCEEDING NON-INDEX MAIN AUTHOR

10. PENILAIAN KONSTRUKTIF UNTUK AKTIVITI MAKMAL KIMIA BAGI PRA-, SEMASA DAN PASCA: PENGGUNAAN PLATFORM PEMBELAJARAN SEJAGAT

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2023

2023 PROCEEDING NON-INDEX MAIN AUTHOR

11. CUSTOMER AWARENESS FOR GELATIN-BASED MARSHMALLOW SNACK: A PRELIMINARY READING

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2023

2023 PROCEEDING NON-INDEX MAIN AUTHOR

12. E-PROSIDING (KERTAS KERJA PENUH BAHASA MELAYU) SEMINAR ANTARABANGSA ISLAM DAN SAINS SAIS 2023

2023 BOOK CHIEF EDITOR

13. KEBERKESANAN MODUL LESTARI ALAM SATU TINJAUAN TERHADAP PELAJAR PUSAT TAMHIDI AMBILAN SESI 2022/2023

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022

2022 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

14. FAKTOR PEMILIHAN PELAJAR LEPASAN SPM KE PROGRAM TAMHIDI (PRE-UNIVERSITI) DI UNIVERSITI SAINS ISLAM MALAYSIA (USIM) BAGI SESI AKADEMIK 2022/2023

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022

2022 PROCEEDING NON-INDEX MAIN AUTHOR

15. E-PROCEEDING (EXTENDED ABSTRACT) SAIS 2022 SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022

2022 BOOK CHIEF EDITOR

16. NORMA BAHARU: KESAN PENJARAKAN SOSIAL KE ATAS PENDIDIKAN DI UNIVERSITI AWAM

2022 BOOK CHIEF EDITOR

17. AMALAN PENGETAHUAN SAINS DAN PENGGUNAAN TEKNOLOGI DI RUMAH SEMASA ERA PANDEMIK COVID-19

NORMA BAHARU: USAHA SAINS MEMAHAMI KEPERLUAN MASYARAKAT

2022 CHAPTER IN BOOK MAIN AUTHOR

18. PENGENALAN KEPADA NORMA BAHARU: USAHA SAINS MEMAHAMI KEPERLUAN MASYARAKAT

NORMA BAHARU: USAHA SAINS MEMAHAMI KEPERLUAN MASYARAKAT

2022 CHAPTER IN BOOK CO-AUTHOR

19. NORMA BAHARU: KESAN PENJARAKAN SOSIAL KE ATAS PENDIDIKAN DI UNIVERSITI AWAM

NORMA BAHARU: KESAN PENJARAKAN SOSIAL KE ATAS PENDIDIKAN DI UNIVERSITI AWAM

2022 CHAPTER IN BOOK MAIN AUTHOR

20. PERKULIAHAN, KAEDAH PERBINCANGAN DALAM KELAS TUTORIAL DAN PENGAJARAN AMALI KIMIA: TERADUN DAN DIUBAH SUAI BAGI SITUASI PANDEMIK SEMASA

NORMA BAHARU: KESAN PENJARAKAN SOSIAL KE ATAS PENDIDIKAN DI UNIVERSITI AWAM

2022 CHAPTER IN BOOK MAIN AUTHOR

21. E-LEARNING TOOLS FOR REMOTE LEARNING BEFORE AND AFTER MOVEMENT CONTROL ORDER IN TAMHIDI CENTRE, UNIVERSITI SAINS ISLAM MALAYSIA, USIM

ULUM ISLAMIYYAH JOURNAL

2021 JOURNAL ERA MAIN AUTHOR / CONTACT PERSON IN USIM

22. PENANDAARASAN ANTARABANGSA PISA DAN KESINAMBUNGAN DALAM PENGAJARAN DI PERINGKAT PENGAJIAN TINGGI

SEMINAR ANTARABANGSA ISLAM DAN SAINS SAIS 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

23. PHYSICAL AND ORGANIC CHEMISTRY

2021 BOOK MAIN AUTHOR

24. E-PROSIDING SEMINAR ANTARABANGSA ISLAM DAN SAINS 2021

2021 BOOK EDITOR

25. ONLINE TEACHING AND LEARNING DURING PRE-MOVEMENT CONTROL ORDER (MCO), DURING MCO AND POST-MCO IN TAMHIDI CENTRE, USIM.

SEMINAR ANTARABANGSA ISLAM DAN SAINS SAIS 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

26. NOISE AND ECHO: LISTENING TASK IN TAMHIDI CENTRE, USIM

SEMINAR ANTARABANGSA

2020 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. GENERAL CHEMISTRY

2020 BOOK MAIN AUTHOR

28. COVID-19: IMPLICATION, IMPACT AND SOLUTION E-PROCEEDINGS OF 3RD INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE 2020

2020 BOOK EDITOR

29. EFFECT OF ECHO ON ABILITY TO PERFORM IN LISTENING TEST EXERCISE

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

30. BREAKFAST INTAKE BEHAVIOUR OF TAMHIDI OF MEDICINE STUDENTS

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

31. ECHO IN MUET LISTENING COMPONENT AT USIM EXAM HALL

INTERNATIONAL LANGUAGE AND EDUCATION CONFERENCE 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

32. IMPORTANCE OF TAKING BREAKFAST FOR TAMHIDI STUDENTS

TAMHIDI EDUCATIONAL SYMPOSIUM 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

33. LABORATORY MANUAL CHEMISTRY FOR TAMHIDI

2019 BOOK MAIN AUTHOR

34. ALKOHOL: DEFINISI, PENGHARAMAN, METABOLISME DAN KEGUNAANNYA

ULUM ISLAMIYYAH

2018 JOURNAL OTHER DATABASE CO-AUTHOR

35. KAJIAN KESAN GANGGUAN BUNYI KE ATAS PENGAJARAN BAHASA INGGERIS DI PUSAT TAMHIDI USIM

TAMHIDI EDUCATIONAL SEMINAR 2018

2018 PROCEEDING NON-INDEX CO-AUTHOR

36. MOLECULAR CLONING: IS IT PERMITTED IN ISLAM?

AL-QANATIR INTERNATIONAL JOURNAL OF ISLAMIC STUDIES

2017 JOURNAL OTHER DATABASE MAIN AUTHOR

37. BIOKIDS: AN INNOVATION FOR INTEGRATION OF NAQLI & AQLI KNOWLEDGE.

JOURNAL OF ISLAMIC, SOCIAL, ECONOMICS AND DEVELOPMENT

2017 JOURNAL OTHER DATABASE CO-AUTHOR

38. SMART I-ASTRONOMY: EXPLORING THE ASTRONOMY KNOWLEDGE.

JOURNAL OF ISLAMIC, SOCIAL, ECONOMICS & DEVELOPMENT

2017 JOURNAL OTHER DATABASE CO-AUTHOR

39. NAQLI AND AQLI ELEMENTS IN THE TEACHING AND LEARNING OF CHEMISTRY COURSE: A SURVEY ON TAMHIDI CENTRE, UNIVERSITY SAINS ISLAM MALAYSIA.

INTERNATIONAL E-JOURNAL OF ADVANCES IN SOCIAL SCIENCES

2017 JOURNAL OTHER DATABASE CO-AUTHOR

PUBLICATION

40. THE INTEGRATION OF NAQLI AND AQLI FOR CHEMISTRY COURSE: A STUDY ON TAMHIDI STUDENTS' EXPECTATIONS.

INTERNATIONAL E-JOURNAL OF ADVANCES IN EDUCATION

2017 JOURNAL OTHER DATABASE CO-AUTHOR

41. LABORATORY MANUAL CHEMISTRY II FOR TAMHIDI

2017 BOOK MAIN AUTHOR

42. CHEMISTRY I FOR TAMHIDI

2017 BOOK MAIN AUTHOR

43. KUMPULAN PANTUN USIM, WARISAN SENI BUDAYA MELAYU

2017 BOOK CO-AUTHOR

44. MOLECULAR CLONING: IS IT PERMITTED IN ISLAM?

2ND INTERNATIONAL CONVENTION ON ISLAM, SCIENCE AND EDUCATION; THEME: TOWARDS A GENERATION OF ISLAMIC SCIENCE SCHOLARS

2016 PROCEEDING NON-INDEX MAIN AUTHOR

45. USING ONLINE TOOLS IN TEACHING SESSION AT TAMHIDI CENTRE

2ND INTERNATIONAL CONVENTION ON ISLAM, SCIENCE AND EDUCATION; THEME: TOWARDS A GENERATION OF ISLAMIC SCIENCE SCHOLARS

2016 PROCEEDING NON-INDEX CO-AUTHOR

46. PENGENALAN KONSEP NAQLI DAN AQLI DALAM SUBJEK KIMIA PUSAT TAMHIDI: ALKOHOL

KONVENSYEN SAINS ISLAM PERINGKAT KEBANGSAAN KALI KEII; TEMA: KE ARAH MELAHIRKAN GENERASI BERPENDIDIKAN SAINS ISLAM

2016 PROCEEDING NON-INDEX CO-AUTHOR

47. CHEMISTRY II TMS 0434

2016 BOOK MAIN AUTHOR

48. ATOM: KITA MENGENALINYA DARIPADA AL-QURAN

PROSIDING KONVENSYEN SAINS ISLAM 2015 PERINGKAT KEBANGSAAN (KONGSI15) TEMA: PENDIDIKAN BERTERUSAN MELAHIRKAN GENERASI TERBILANG

2015 PROCEEDING NON-INDEX MAIN AUTHOR

49. ATOM: KITA MENGENALINYA MELALUI AL-QURAN

SAINS ISLAM DAN PENDIDIKAN: KE ARAH MELAHIRKAN GENERASI TERBILANG

2015 CHAPTER IN BOOK MAIN AUTHOR

50. LABORATORY MANUAL CHEMISTRY I TMS 0424

2012 BOOK MAIN AUTHOR

51. LABORATORY MANUAL CHEMISTRY II TMS 0434

2011 BOOK MAIN AUTHOR

52. EFFECTS OF CHITOSAN ON THE QUALITY OF MECHANICALLY DEBONED CHICKEN MEAT SAUSAGE

26TH MALAYSIAN SOCIETY OF ANIMAL PRODUCTION ANNUAL CONFERENCE

2005 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

53. FAT PROPERTIES OF BEEF BURGER SUBSTITUTED WITH PALM FAT AND RED PALM FAT

NUTRITION SOCIETY MALAYSIA 17TH SCIENTIFIC CONFERENCE AND ANNUAL GENERAL MEETING.

2002

PROCEEDING

NON-INDEX

MAIN AUTHOR

54. THE EFFECT OF CHITOSAN IN MECHANICALLY DEBONED CHICKEN SAUSAGE

48TH INTERNATIONAL CONGRESS OF MEAT SCIENCE AND TECHNOLOGY

2002

PROCEEDING

NON-INDEX

CO-AUTHOR

55. PENCIRIAN KUALITI TEKSTUR DAN KESTABILAN OKSIDATIF SOSEJ AYAM DANM DENGAN PENAMBAHAN KITOSAN

KOLOKIUUM SISWAZAH KE 2 FAKULTI SAINS DAN TEKNOLOGI UKM

2002

PROCEEDING

NON-INDEX

CO-AUTHOR

56. ANTIOXIDATIVE ACTIVITIES OF SOME LOCAL PLANTS EXTRACTS

SCIENTIFIC CONFERENCE ON FOOD ANTIOXIDANTS. DEPT. OF NUTRITION AND HEALTH SCIENCES. FACULTY OF MEDICINE AND HEALTH SCIENCES.

2002

PROCEEDING

NON-INDEX

CO-AUTHOR

AWARDS/RECOGNITION

1. ANUGERAH STAF CONTOH JUN 2025

2025 UNIVERSITY

2. ANUGERAH STAF KOMITED DAN DEDIKASI

2025 UNIVERSITY

3. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI, KEMENTERIAN PENDIDIKAN MALAYSIA (BMKPM)

2025 NATIONAL

4. ANUGERAH PERMATA BERTHARGA

2024 UNIVERSITY

5. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI, KEMENTERIAN PENDIDIKAN MALAYSIA (BMKPM)

2024 NATIONAL

6. ACADEMIC ADVISOR

PEJABAT TNC AKADEMIK DAN ANTARABANGSA

2024 UNIVERSITY

7. CREATIVE TEACHING METHOD FOR CHEMICAL BONDING TOPIC BY USING PHYSICAL PROP (MINI EYE) AND MOLECULAR MODEL KIT WITH MOLVIEW WEB-APPLICATION

Pre-University Matriculation Innovation Competition 2024 (PIITRAM)

2024 KEBANGSAAN BRONZE

8. TWO APPROACHES TO MAKE TEACHING ENVIRONMENT FRIENDLY FOR OKU STATUS TEACHERS VIA TEACHERS WITH PHYSICAL MOBILITY PAIN

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

9. ANUGERAH GURU UNIVERSITI 2023

2023 UNIVERSITY

10. ANUGERAH BUKU SUNTINGAN: NORMA BAHARU USAHA SAINS MEMAHAMI KEPERLUAN MASYARAKAT

2023 NATIONAL

11. ANUGERAH BUKU SUNTINGAN: NORMA BAHARU KESAN PENJARAKAN SOSIAL KE ATAS PENDIDIKAN DI UNIVERSITI AWAM

2023 NATIONAL

12. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI, KEMENTERIAN PENDIDIKAN MALAYSIA

2023 NATIONAL

13. CONSTRUCTIVE ASSESSMENTS FOR PRE-, DURING AND POST-CHEMISTRY LABORATORY ACTIVITY

Pre-University Matriculation Innovation Competition (PIITRAM) 2023

2023 KEBANGSAAN SILVER

14. HANG LESTARI: AN ENVIRONMENTAL SUSTAINABILITY MODULE AT PUSAT TAMHIDI

Pre-University Matriculation Innovation Competition (PIITRAM) 2023

2023 KEBANGSAAN BRONZE

AWARDS/RECOGNITION

15. ANUGERAH PERKHIDMATAN CEMERLANG 2021

2022 UNIVERSITY

16. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI KPM

2022 NATIONAL

17. ASSESSING STUDENTS PSYCHOMOTOR PERFORMANCE USING EDIBLE PH INDICATOR EXPERIMENT AT HOME

THE 2ND INTER PRE-UNIVERSITY MATRICULATION INNOVATION COMPETITION 2022

2022 KEBANGSAAN GOLD

18. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI, KEMENTERIAN PENDIDIKAN MALAYSIA

2021 NATIONAL

19. ACADEMIC ADVISOR

INSTITUT PENDIDIKAN GURU KAMPUS DATO RAZALI ISMAIL

2021 NATIONAL

20. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI, KEMENTERIAN PENDIDIKAN MALAYSIA

2021 NATIONAL

21. ANTI-ECHO FOLDER (ANCHOR) FOR ECHO PROBLEM IN TESTING OF MUET LISTENING COMPONENT

PERTANDINGAN INOVASI INTER-ASASI MATRIKULASI UNIVERSITI AWAM (PIITRAM 2021)

2021 KEBANGSAAN BRONZE

22. AUTOMATED WATER STIRRER PROTOTYPE

INNOVATION BANK CHALLENGE (IBC 2021)

2021 UNIVERSITY CERTIFICATE OF APPRECIATION

23. ANUGERAH PERKHIDMATAN SETIA USIM 2019

2019 UNIVERSITY

24. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI KPM

2016 NATIONAL

25. ACADEMIC ADVISOR

PUSAT PENGURUSAN PENYELIDIKAN

2016 UNIVERSITY

26. ANUGERAH TERPUJI 2014

2015 UNIVERSITY

27. ANUGERAH STAF CONTOH BULAN JANUARI 2015

2015 UNIVERSITY

28. ACADEMIC ADVISOR

BAHAGIAN MATRIKULASI, KEMENTERIAN PENDIDIKAN MALAYSIA

2014 NATIONAL