



PROF. MADYA DR. JULIANA BINTI JUMAL

PENSYARAH UNIVERSITI DS14

CONTACT

Phone: 6532

E-mail:
juliana.j@usim.edu.my

Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 3, Ongoing: 0

Master - Completed: 4, Ongoing: 0

AREAS OF EXPERTISE

Organic Chemical Synthesis

Other Organic Chemistry N.e.c

Natural Products Chemistry (including Drug Intermediates From Indigenous Sources)

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Kimia.

ACADEMIC QUALIFICATION

Phd in Kimia (2013)

Master in Sains (kimia) (2008)

Diploma in Pendidikan (1997)

Bachelor in Sains (1993)

RESEARCH

1. PROGRAM: SCIENTIFIC MIRACLES OF THE PROPHET'S SUNNAH ON MISWAK: INVESTIGATING CHEMICAL INTERACTIONS BETWEEN SALVADORA PERSICA ROOT AND PERIODONTITIS BACTERIA
PROJEK: UNEARTHING THE HISTORICAL ASPECTS OF SIWAK (MISWAK) USAGE IN THE ISLAMIC MEDIEVAL AGES

2023

ON GOING

MAIN RESEARCHER

2. SYNTHESIS AND ANTICANCER STUDIES OF COUMARIN DERIVATIVES AND THEIR COMPLEXES

2018

COMPLETED

MAIN RESEARCHER

3. SYNTHESIS OF MONO- AND BIS-THIOUREA DERIVATIVES AS CORROSION INHIBITORS FOR MILD STEEL IN ACIDIC MEDIA

2014

COMPLETED

MAIN RESEARCHER

4. SYNTHESIS OF BIS-THIOUREA COMPAUNDS AS IONOPHORE FOR MERCURY (II) ION-SELECTIVE ELECTRODE (ISE)

2009

COMPLETED

MAIN RESEARCHER

5. SYNTHESIS OF BIS-THIOURE DERIVATIVES AND THE APPLICATION STUDIES AS CHEMICAL SENSOR

2009

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. MOLECULAR CHARACTERISATION OF BENZYL ISOTHIOCYANATE (BITC) AGAINST PERIODONTAL PATHOGENS

2025 PROCEEDING

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

2022 PROCEEDING

3. A REVIEW ON BIOSENSORS AND THEIR APPLICATIONS IN FOOD AND BEVERAGE INDUSTRY

2019 JOURNAL

4. SYNTHESIS AND RADICAL SCAVENGING ACTIVITY OF 6-HYDROXYL-4-METHYLCOUMARIN AND ITS DERIVATIVES

2018 JOURNAL

5. CYMBOPOGON NARDUS FROM MALAY SOCIETY TRADITION PERSPECTIVES: AN ANALYSIS OF CHEMICAL COMPOSITION USING STEAM DISTILLATION FROM SCIENTIFIC FINDING

2018 PROCEEDING

6. SYNTHESIS AND CORROSION INHIBITION STUDIES OF 1-(4-CHLOROBENZOYL)THIOUREA DERIVATIVES ON MILD STEEL IN 1.0 M HCL

2017 JOURNAL

7. CHEMICAL COMPOSITION OF CITRONELLA OIL IN CYMBOPOGON NARDUS USING STEAM DISTILLATION

2017 PROCEEDING

8. SYNTHESIS AND ANTIOXIDANT ACTIVITIES OF 6-HYDROXYL-4-METHYLCOUMARIN AND ITS DERIVATIVES

2017 PROCEEDING

9. SYNTHESIS AND BIOLOGICAL EVALUATION OF 6-HYDROXY-4-METHYL-5,7-(BIS-P-CHLOROPHENYLAZO)COUMARIN

2016 JOURNAL

10. SYNTHESIS AND CYTOTOXIC ACTIVITY OF 6-HYDROXY-4-METHYL-5,7-(BIS-PHENYLAZO) COUMARIN WITH DIVALENT TRANSITION METAL IONS

2016 JOURNAL

11. ANTI-CANCER SCREENING OF SOME NEWLY SYNTHESIZED COUMARIN DERIVATIVES AND THEIR COMPLEXES

2016 PROCEEDING

12. BIOSENSOR DEVICES & THEIR APPLICATIONS IN FOOD INDUSTRY

2016 CHAPTER IN BOOK

13. EVALUATION OF ANTITUMOR ACTIVITY OF COPPER COMPLEXES OF COUMARIN IN BREAST AND LUNG CANCER

2015 JOURNAL

14. SYNTHESIS AND PRELIMINARY INHIBITION STUDY OF CARBONYL THIOUREA DERIVATIVES ON CORROSION OF MILD STEEL IN ACIDIC MEDIA

2015 JOURNAL

15. CYTOTOXIC ACTIVITY OF COUMARIN DERIVATIVES & THEIR COMPLEXES

2015 JOURNAL

16. A NEWLY SYNTHESIZED BIS-(HEPTANOYL THIOREIDO) BENZENE ISOMERS AND ITS PRELIMINARY STUDY AS CORROSION INHIBITORS FOR MAGNESIUM IN SULFURIC ACID

2015 PROCEEDING

17. SYNTHESIS AND RADICAL SCAVENGING ACTIVITY OF BENZOYLTHIOUREA DERIVATIVES

2015 PROCEEDING

18. SYNTHESIS & PRELIMINARY STUDY OF CARBONYL THIOUREA DERIVATIVES ON CORROSION OF MILD STEEL IN ACIDIC MEDIA

2015 PROCEEDING

19. EVALUATION OF ANTITUMOR ACTIVITY OF COPPER COMPLEXES OF COUMARIN IN BREAST & LUNG CANCER

2015 PROCEEDING

20. SYNTHESIS AND CHARACTERIZATION OF 6-HYDROXY-4-METHYL-5-PHENYL-AZOCOUMARIN WITH DIVALENT TRANSITION METAL IONS.

2014 JOURNAL

21. NEW TRANSITION METAL COMPLEXES OF AZOCOUMARIN

2014 JOURNAL

22. 1,4-BIS(N?-BENZOYLTHIOUREIDO)BENZENE AND 1,4-BIS(N?-BENZOYLTHIOUREIDO) CYCLOHEXANE AS IONOPHORES FOR LEAD(II) ION-SELECTIVE ELECTRODE WITH SELF-PLASTICIZING POLY(N-BUTYLACRYLATE) MEMBRANE

2013 PROCEEDING

23. MERCURY ION-SELECTIVE ELECTRODE WITH SELF-PLASTICIZING POLY(N-BUTYLACRYLATE) MEMBRANE BASED ON 1,2-BIS-(N?-BENZOYLTHIOUREIDO)CYCLOHEXANE AS IONOPHORE

2012 JOURNAL

24. SINTESIS ISOMER BIS(N?-BENZOILTIOUREIDO)SIKLOHEKSANA DAN KAJIAN AWAL SEBAGAI IONOFOR BAGI ELEKTROD PEMILIH ION MERKURI(II)

2012 PROCEEDING

25. SYNTHESIS AND ANTI-BACTERIAL STUDIES OF NEW 1,2-BIS(CARBONOYLTHIOUREA)-PROPANE

2011 JOURNAL

26. SYNTHESIS AND STRUCTURAL STUDIES OF ANILINE-4,5-DIMETHYL-1,3-THIAZOLE AND ITS DERIVATIVE.

2009 JOURNAL

27. SYNTHESIS AND ANTI-BACTERIAL ACTIVITY OF ANILINO-4,5-DIMETHYL-1,3-THIAZOLE DERIVATIVES

2008 PROCEEDING

28. SINTESIS DAN PENCIRIAN STRUKTUR ISOMER BEBERAPA TERBITAN ANILINO-4,5-DIMETIL-1,3-TIAZOL

2006 PROCEEDING

CONSULTATION/ADULATION

1. PENYELIA PENILAIAN PRAKTIKUM PESERTA KURSUS ASAS PEMBELAJARAN & PENGAJARAN (P&P) USIM 2018

2018 UNIVERSITY -

2. PENAKSIR KERTAS SOALAN (TMS0424 CHEMISTRY I)PEPERIKSAAN AKHIR SEMESTER I SESI AKADEMIK 2018/2019 PUSAT TAMHIDI

2018 UNIVERSITY -

3. PENILAI MODUL ANALYTICAL CHEMISTRY IN HALAL & THOYYIB IDENTIFICATION

2017 UNIVERSITY KOLEJ PERMATA INSAN

4. PANEL PENILAI PROGRAM DEEMED ACCREDITED : BSC (HONS) APPLIED CHEMISTRY (AS225/245)

2017 UNIVERSITY INSTITUT KUALITI & PENGEMBANGAN ILMU, UITM

5. PANEL PENILAI PROGRAM DEEMED ACCREDITED : DIPLOMA IN SCIENCE (AS120)

2017 UNIVERSITY INSTITUT KUALITI & PENGEMBANGAN ILMU, UITM

AWARDS/RECOGNITION

1. ANUGERAH REKABENTUK INOVASI PENGAJARAN & PEMBELAJARAN KATEGORI PROGRAM PENGAJIAN INOVATIF

2025 UNIVERSITY

2. ACADEMIC PROGRAM ADVISOR

2025 NATIONAL

3. ACADEMIC PROGRAM ADVISOR

2025 NATIONAL

4. ACADEMIC PROGRAM ADVISOR

2025 NATIONAL

5. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2024 OTHERS