

PROF. MADYA TS. DR. ROHAZILA BINTI MOHAMAD HANAFIAH

PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY
Fakulti Pergigian

SUPERVISION

	COMPLETED	ONGOING
PhD	1	2
Master	5	3

AREAS OF EXPERTISE

- Natural Product Research
- Molecular Microbiology
- Clinical Microbiology (including Antimicrobial Resistance)

ACADEMIC QUALIFICATION

- 2015 **PhD** - Mikrobiologi
- 2008 **Master** - Mikrobiologi
- 2005 **Bachelor** - Mikrobiologi

RESEARCH

1. CHARACTERIZATION AND MECHANISM OF ACTION OF SILVER NANOPARTICLES-KAEMPFEROL IN ENHANCING ANTIBACTERIAL ACTIVITY AGAINST METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA).

2020 | GERAN KPT | COMPLETED | MAIN RESEARCHER

2. ANTIBACTERIAL ACTIVITIES OF SPILANTHOL AGAINST ORAL BIOFILM BACTERIA AND ITS CAPACITY ON MODULATORY GENE EXPRESSION.

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

3. TRANSCRIPTOMIC ANALYSIS STREPTOCOCCUS MUTANS TREATED WITH MELASTOMA MALABATHRICUM STEM BARK EXTRACT(MMSBAE)

2016 | GERAN JANGKA PENDEK FASA 1 | COMPLETED | MAIN RESEARCHER

4. ANTIMICROBIAL ACTIVITY OF PIPER SARMENTOSIUM (KADOK) EXTRACTS AGAINST ORAL BACTERIA

2009 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. AGNP-K SMART CREAM: A NEXT-GENERATION ANTIMICROBIAL SKINCARE SOLUTION

SWISS INNOVATION CHALLENGE

2025 PROCEEDING NON-INDEX MAIN AUTHOR

2. ANTI-PROLIFERATIVE ACTIVITY OF STROBILANTHES CRISPUS GREEN SYNTHESIZED WITH SILVER NANOPARTICLES AGAINST CT26 COLON CARCINOMA CELLS

4TH IDENT USIM

2025 PROCEEDING MYCITE MAIN AUTHOR

3. ANTI-CANCER ACTIVITY OF GREEN-SYNTHESIZED SILVER NANOPARTICLES WITH STROBILANTHES CRISPUS ON CT26 COLON CARCINOMA CELLS

8TH INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY 2025

2025 PROCEEDING SCOPUS MAIN AUTHOR

4. TRANSCRIPTOMIC ANALYSIS OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

BOTANIC GARDENS SYMPOSIUM 2024 (BGS2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

5. GREEN SYNTHESIS, CHARACTERISATION AND ANTIBACTERIAL ACTIVITIES OF STROBILANTHES CRISPUS-MEDIATED SILVER NANOPARTICLES (SC-AGNPS) AGAINST SELECTED BACTERIA

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY

2023 JOURNAL ISI MAIN AUTHOR

6. GENE EXPRESSION ANALYSIS OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

6TH INTERNATIONAL CONFERENCE ON MOLECULAR BIOLOGY AND BIOTECHNOLOGY 2023 (ICMBB2023)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

7. TRANSCRIPTOMIC ANALYSIS OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

8TH INTERNATIONAL BIOTECHNOLOGY SYMPOSIUM

2023 PROCEEDING NON-INDEX MAIN AUTHOR

8. ANTIBACTERIAL, ANTIMICROBIAL, AND ANTIMALARIAL EFFECT OF BLACK SEED OIL

BIOCHEMISTRY, NUTRITION, AND THERAPEUTICS OF BLACK CUMIN SEED

2023 CHAPTER IN BOOK MAIN AUTHOR

9. GREEN SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K) AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)

MINGGU PENYELIDIKAN DAN INOVASI

2022 PROCEEDING NON-INDEX MAIN AUTHOR

10. PRELIMINARY SCREENING OF ANTIMICROBIAL SUBSTANCES FROM PROBIOTICS WITH INHIBITORY PROPERTIES AGAINST PORPHYROMONAS GINGIVALIS

POSTGRADE SYMPOSIUM 2022

2022 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

11. ANTIBACTERIAL ACTIVITIES OF AGNP-KAEMPFEROL TOWARDS MRSA

PHARM-IIDEX 2022

2022 PROCEEDING NON-INDEX MAIN AUTHOR

12. ANTIBACTERIAL ACTIVITIES OF SIWAK AGAINST ORAL BACTERIA

ASIAN SYMPOSIUM ON MEDICINAL PLANTS AND SPICES XVII (2021) ? VIRTUAL CONFERENCE

2021 PROCEEDING NON-INDEX MAIN AUTHOR

13. ANTIBACTERIAL AND ANTIBIOFILM ANALYSES OF MELASTOMA MALABATHRICUM LEAVES EXTRACT AGAINST STREPTOCOCCUS MUTANS ON TOOTH SURFACES

MALAYSIAN JOURNAL OF MICROBIOLOGY

2020 JOURNAL ISI AND SCOPUS MAIN AUTHOR

14. ANTIBACTERIAL ACTIVITY OF ACMELLA PANICULATA EXTRACTS AGAINST STREPTOCOCCUS MUTANS

INTERNATIONAL JOURNAL OF RESEARCH IN PHARMACEUTICAL SCIENCES

2020 JOURNAL SCOPUS MAIN AUTHOR

15. ANTIBACTERIAL ACTIVITY OF SPILANTHOL AGAINST ORAL BACTERIA

3RD ICOMOI & 13TH POSTGRADUATE E- CONFERENCE

2020 PROCEEDING NON-INDEX MAIN AUTHOR

16. SENDUDUK PERENCAT BAKTERIA MULUT

2020 BOOK MAIN AUTHOR

17. ANTIBACTERIAL PROPERTIES OF CLINACANTHUS NUTANS EXTRACTS AGAINST PORPHYROMONAS GINGIVALIS AND AGGREGATIBACTER ACTINOMYCETEMCOMITANS: AN IN-VITRO STUDY

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS MAIN AUTHOR

18. ANTIBACTERIAL ACTIVITIES OF GREEN SILVER NANOPARTICLES-STROBILANTHES CRISPUS (AGNP-SC) AGAINST CLINICALLY IMPORTANT BACTERIA

2ND INTERNATIONAL CONFERENCE ON ORAL MICROBIOLOGY AND ORAL IMMUNOLOGY

2019 PROCEEDING NON-INDEX MAIN AUTHOR

19. GREEN SILVER NANOPARTICLES STROBILANTHES CRISPUS INHIBITS GRAM NEGATIVE BACTERIA

NANOTECHNOLOGY IN FORESTRY & NATURAL RESOURCES SEMINAR 2019

2019 PROCEEDING NON-INDEX MAIN AUTHOR

20. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF SPILANTHES ACMELLA LEAVES EXTRACTS TOWARDS STREPTOCOCCUS MUTANS

FRONTIERS IN PHARMACOLOGY

2018 JOURNAL WOS MAIN AUTHOR

21. INHIBITION OF STREPTOCOCCUS MUTANS ADHERENCE AND BIOFILM FORMATION ACTIVITIES FROM MELASTOMA MALABATHRICUM SUBFRACTION

INNOVARE JOURNAL OF LIFE SCIENCES, VOL 6, ISSUE 4, 2018, 1-4

2018 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

22. ANTI-BACTERIAL ACTIVITIES OF MELASTOMA MALABATHRICUM STEM BARK FRACTIONS AGAINST STREPTOCOCCUS MUTANS

MJOSHT 2018, VOLUME 1, ISSUE 1

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

23. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF SPILANTHES ACMELLA LEAVES EXTRACTS TOWARDS STREPTOCOCCUS MUTANS

INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND TRANSLATIONAL MEDICINE 2018 (ICDDTM '18)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

24. TRANSCRIPTOMIC ANALYSIS OF STREPTOCOCCUS MUTANS TREATED WITH MELASTOMA MALABATHRICUM STEM BARK ACETONE EXTRACT (MMSBAE).

17TH ANNUAL SCIENTIFIC MEETING MALSEC IADR 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

25. MELASTOMA MALABATHRICUM STEM BARK ACETONE EXTRACT (MMSBAE) SUPPRESSED BIOFILM-FORMING GENES IN STREPTOCOCCUS MUTANS: AN APPROACH TO INHIBIT BIOFILMS FORMATION

3RD PABSC 2016 KUALA LUMPUR

2016 PROCEEDING NON-INDEX MAIN AUTHOR

26. ANTIBACTERIAL AND BIOFILM INHIBITION ACTIVITIES OF MELASTOMA MALABATHRICUM STEM BARK EXTRACT AGAINST STREPTOCOCCUS MUTANS

MALAYSIAN JOURNAL MICROBIOLOGY

2015 JOURNAL WOS MAIN AUTHOR

27. MELASTOMA MALABATHRICUM STEM BARK EXTRACT INHIBITS BIOFILM FORMATION, ADHERENCE ACTIVITY AND GROWTH OF S. MUTANS

6TH SEMESTER PHD COLLOQUIUM (UKM)

2015 PROCEEDING NON-INDEX MAIN AUTHOR

28. CERAPAN MIKROSKOPI DAN ANALISIS SITOMETRI STREPTOCOCCUS MUTANS YANG DITINDAKKAN DENGAN EKSTRAK BATANG MELASTOMA MALABATHRICUM L.

MALAYSIAN APPLIED BIOLOGY

2014 JOURNAL WOS MAIN AUTHOR

29. ANTI-BIOFILM AND ANTI-ADHERENCE ACTIVITIES OF SUB FRACTION 18 OF MELASTOMA MALABATHRICUM TOWARDS STREPTOCOCCUS MUTANS

AIP CONFERENCE PROCEEDING

2014 PROCEEDING NON-INDEX MAIN AUTHOR

30. ANTI BIOFILM AND ANTI ADHERENCE ACTIVITY OF MELASTOMA MALABATRICHUM STEM BARK CRUDES EXTRACTS OF STREPTOCOCCUS MUTANS

MALAYSIAN SCIENCE MICROBIOLOGY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

31. ANTIBACTERIAL ACTIVITY OF STEM BARK MELASTOMA MALABATHRICUM ON STREPTOCOCCUS MUTANS

INTERNATIONAL CONGRESS OF THE MALAYSIAN SOCIETY FOR MICROBIOLOGY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

32. ANTI MICROBIAL ACTIVITY OF PIPER SARMENTOSUM (KADOK) METHANOL EXTRACT AGAINST ORAL BACTERIA

MALAYSIAN SYMPOSIUM APPLIED BIOLOGY

2011 PROCEEDING NON-INDEX MAIN AUTHOR

33. SUSCEPTIBILTY OF DENTAL CARIES AMONG DENTAL STUDENT USING SYNDER TEST AGAR

SEMINAR SAINS DAN MATEMATIK

2011 PROCEEDING NON-INDEX MAIN AUTHOR

34. POTENTIAL OF ANTIMICROBIAL PLANTS AGAINST ORAL BACTERIA

CPD-FAKULTI PERGIGIAN USIM

2011 PROCEEDING NON-INDEX MAIN AUTHOR

35. MICROBIOLOGY

ANTIMICROBIAL OF PIPER SARMENTOSUM (KADOK) AGAINST ORAL BACTERIA

2011 CHAPTER IN BOOK MAIN AUTHOR

36. MIKROBIOLOGI

SUSCEPTIBILTY OF DENTAL CARIES AMONG DENTAL STUDENT USING SYNDER TEST AGAR

2011 CHAPTER IN BOOK MAIN AUTHOR

37. MICROBIOLOGY

ISOLATION AND SEROTYPING OF STREPTOCOCCUS MUTANS FROM TEETH OF DENTAL STUDENTS

2011 CHAPTER IN BOOK MAIN AUTHOR

CONSULTATION

1. Herbal toothpaste containing passion fruit and senduduk leaves

Kenchana Biotech SDN BHD

National

AWARDS/RECOGNITION

1. WRITER OF THE MONTH SEPTEMBER 2025

2025 UNIVERSITY

2. 1ST PLACE NON-CLINICAL RESEARCH POSTER PRESENTATION4TH IDENT 2025

2025 INTERNATIONAL

AWARDS/RECOGNITION

3. AN INNOVATIVE TEST KIT TO PREDICT CHILDHOOD CARIES

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA GOLD

4. WRITER OF THE MONTH JANUARY

2024 OTHERS

5. GOLD MEDAL

2024 NATIONAL