



**PROF. MADYA TS. DR.  
ROHAZILA BINTI MOHAMAD  
HANAFIAH**

PENSYARAH UNIVERSITI DS14

## CONTACT

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## SUPERVISION

PhD - Completed: 1, Ongoing: 1

Master - Completed: 5, Ongoing: 2

## AREAS OF EXPERTISE

Natural Product Research

Molecular Microbiology

Clinical Microbiology (including Antimicrobial Resistance)

## BIOGRAPHY

A lecturer from Fakulti Pergigian. Holds a Phd in Mikrobiologi.

## ACADEMIC QUALIFICATION

Phd in Mikrobiologi (2015)

Master in Mikrobiologi (2008)

Bachelor in Mikrobiologi (2005)

## RESEARCH

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

2020 COMPLETED MAIN RESEARCHER

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

2019 COMPLETED MAIN RESEARCHER

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

2016 COMPLETED MAIN RESEARCHER

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

2009 COMPLETED MAIN RESEARCHER

# PUBLICATION

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2024 PROCEEDING

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

2023 JOURNAL

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

2023 PROCEEDING

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

2023 PROCEEDING

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

2023 CHAPTER IN BOOK

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

2022 PROCEEDING

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

2022 PROCEEDING

## 11. ANTIBACTERIAL ACTIVITIES OF AGNP-KAEMPFEROL TOWARDS MRSA

2022 PROCEEDING

## 12. ANTIBACTERIAL ACTIVITIES OF SIWAK AGAINST ORAL BACTERIA

2021 PROCEEDING

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

2020 JOURNAL

## 14. ANTIBACTERIAL ACTIVITY OF ACMELLA PANICULATA EXTRACTS AGAINST STREPTOCOCCUS MUTANS

2020 JOURNAL

**15. ANTIBACTERIAL ACTIVITY OF SPILANTHOL AGAINST ORAL BACTERIA**

2020 PROCEEDING

**16. SENDUDUK PERENCAT BAKTERIA MULUT**

2020 BOOK

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

2019 JOURNAL

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

2019 PROCEEDING

**19. GREEN SILVER NANOPARTICLES STROBILANTHES CRISPUS INHIBITS GRAM NEGATIVE BACTERIA**

2019 PROCEEDING

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

2018 JOURNAL

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

2018 JOURNAL

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

2018 JOURNAL

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

2018 PROCEEDING

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

2018 PROCEEDING

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

2016 PROCEEDING

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

2015 JOURNAL

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

2015 PROCEEDING

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

2014 JOURNAL

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

2014 PROCEEDING

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

2013 PROCEEDING

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

2013 PROCEEDING

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

2011 PROCEEDING

### 33. SUSCEPTIBILITY OF DENTAL CARIES AMONG DENTAL STUDENT USING SYNDER TEST AGAR

2011 PROCEEDING

### 34. POTENTIAL OF ANTIMICROBIAL PLANTS AGAINST ORAL BACTERIA

2011 PROCEEDING

### 35. MICROBIOLOGY

2011 CHAPTER IN BOOK

### 36. MIKROBIOLOGI

2011 CHAPTER IN BOOK

### 37. MICROBIOLOGY

2011 CHAPTER IN BOOK

## CONSULTATION/ADULATION

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### 1. Herbal toothpaste containing passion fruit and senduduk leaves

National Kenchana Biotech SDN BHD

## AWARDS/RECOGNITION

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### 1. WRITER OF THE MONTH SEPTEMBER 2025

2025 UNIVERSITY

### 2. 1ST PLACE NON-CLINICAL RESEARCH POSTER PRESENTATION 4TH IDENT 2025

2025 INTERNATIONAL

### 3. AN INNOVATIVE TEST KIT TO PREDICT CHILDHOOD CARIES

2025 Antarabangsa Gold

### 4. WRITER OF THE MONTH JANUARY

2024 OTHERS

### 5. GOLD MEDAL

2024 NATIONAL