



## PROF. MADYA DR. SITI SALHAH BINTI OTHMAN

PENSYARAH UNIVERSITI DS14

### CONTACT

Phone: 88427

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Address: Fakulti Sains Dan  
Teknologi

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 7, Ongoing: 1

### AREAS OF EXPERTISE

Enzyme Technology

Enzyme Technology

### BIOGRAPHY

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

### ACADEMIC QUALIFICATION

Phd in Teknologi Enzim (2004)

Bachelor in Kimia (2000)

### RESEARCH

1. ISOLATION, PURIFICATION AND CHARACTERIZATION OF USED PALM OIL-DEGRADING BACTERIA FROM POLLUTED SOIL AND WATER AROUND NILAI, NEGERI SEMBILAN

2016 COMPLETED MAIN RESEARCHER

2. BIOCOMPATIBLE CALCINED LAYERED DOUBLE HYDROXIDES AS SUPPORT FOR EFFICIENT IMMOBILIZATION OF BIOCATALYSTS

2012 COMPLETED MAIN RESEARCHER

3. NEW ACTIVATED BIOCATALYST IN THIN FILM OF CELLULOSE DERIVATIVE

2012 COMPLETED MAIN RESEARCHER

4. NEW FELDSPAR-IMMOBILIZED BIOCATALYSTS FOR ORGANIC SYNTHESIS

2008 COMPLETED MAIN RESEARCHER

5. SYNTHESIS OF USEFUL ORGANIC COMPOUNDS USING COMMERCIAL HYDROLYTIC ENZYMES

2006 COMPLETED MAIN RESEARCHER

# PUBLICATION

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1. GARIS PANDUAN PEMBANGUNAN DAN PENAWARAN PROGRAM PEMBELAJARAN TERBUKA DAN JARAK JAUH/ OPEN AND DISTANCE LEARNING (ODL) UNIVERSITI SAINS ISLAM MALAYSIA

2023 POLICY

2. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK TENAGA PENGAJAR) - EDISI PERTAMA

2020 POLICY

3. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK TENAGA PENGAJAR) - EDISI KEDUA

2020 POLICY

4. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK PELAJAR) - EDISI PERTAMA

2020 POLICY

5. PANDUAN RINGKAS E-PEMBELAJARAN DAN PENGAJARAN (UNTUK PELAJAR) - EDISI KEDUA

2020 POLICY

6. KOD ETIKA PENGAJARAN DAN PEMBELAJARAN SECARA DALAM TALIAN

2020 POLICY

7. PANDUAN PENYEDIAAN FAIL PENGAJARAN SECARA DALAM TALIAN

2020 POLICY

8. PROSEDUR STANDARD OPERASI PENTAKSIRAN KERTAS SOALAN PEPERIKSAAN SECARA BERSEMUKA (USIM.PP.15)

2020 POLICY

9. PROSEDUR STANDARD OPERASI PENTAKSIRAN KERTAS SOALAN PEPERIKSAAN SECARA DALAM TALIAN (USIM.PP.16)

2020 POLICY

10. INTEGRATION OF THE NAQLI AND AQLI KNOWLEDGE IN THE CURRICULUM DESIGN OF UNIVERSITI SAINS ISLAM MALAYSIA

2019 PROCEEDING

11. IMMOBILIZATION OF ENZYME USING NATURAL FELDSPAR FOR USE IN THE SYNTHESIS OF OLEYL OLEATE

2018 JOURNAL

12. PREPARATION AND CHARACTERIZATION OF ORGANO-KAOLINITE USING BENZYLTRIETHYLAMMONIUM CHLORIDE AS A SURFACTANT

2018 PROCEEDING

13. LIPID-LOWERING EFFECTS OF ZERUMBONE FROM ZINGIBER ZERUMBET: A REVIEW

2018 PROCEEDING

14. A REVIEW ON THE USE OF ORGANO-MODIFIED BENTONITE AS POTENTIAL SUPPORT FOR THE IMMOBILIZATION OF CANDIDA RUGOSA LIPASE IN THE SYNTHESIS OF ESTERS

2017 PROCEEDING

15. KINETIC MODELING OF CANDIDA RUGOSA LIPASE IMMOBILIZED ONTO KENAF CORE FIBRE IN THE SYNTHESIS OF BUTYL OLEATE

2017 PROCEEDING

**16. ENTRAPMENT OF CANDIDA RUGOSA LIPASE IN CARBOXYMETHYL CELLULOSE AND POLYVINYL ALCOHOL THIN FILM AS POTENTIAL BIOCATALYSTS IN ESTERIFICATION REACTION**

2014 PROCEEDING

**17. ENTRAPMENT OF CANDIDA RUGOSA LIPASE INTO CARBOXYMETHYLCELLULOSE THIN FILM FOR USE IN THE SYNTHESIS OF BUTYL OLEATE**

2014 PROCEEDING

**18. NANOCCLAY AS POTENTIAL SUPPORT FOR IMMOBILIZATION OF LIPASE FROM CANDIDA RUGOSA: PHYSICOCHEMICAL PROPERTIES**

2012 PROCEEDING

**19. PHYSICOCHEMICAL CHARACTERIZATION AND IMMOBILIZATION OF CANDIDA RUGOSA LIPASE ONTO NANOFIBERS FROM KENAF CORE**

2012 PROCEEDING

**20. KINETIC MODELLING OF IMMOBILIZED CANDIDA RUGOSA LIPASE CATALYZED ESTERIFICATION OF BUTYL OLEATE**

2012 PROCEEDING

**21. IMMOBILIZATION OF ENZYME USING NATURAL FELDSPAR FOR USE IN THE SYNTHESIS OF USEFUL ORGANIC COMPOUNDS**

2010 PROCEEDING

**22. BIOINFORMATIK: ALAT DAKWAH YANG BERKESAN**

2006 CHAPTER IN BOOK

## AWARDS/RECOGNITION

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**1. GOLD MEDAL, PERTANDINGAN AMALAN INOVASI PENGURUSAN, KARNIVAL INOVASI @UMT 2025**

2025 NATIONAL

**2. ANUGERAH PENGAJARAN**

2025 OTHERS

**3. ANUGERAH LIBATSAMA KOMUNITI**

2025 OTHERS

**4. INTEGRATED OUTCOME-BASED EDUCATION (IOBE)**

2025 Kebangsaan Gold

**5. ACADEMIC ADVISOR**

2019 NATIONAL