

PROF. MADYA DR. SALINA BINTI MAT RADZI

PENSYARAH UNIVERSITI DS14

CONTACT

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Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 1 Master - Completed: 11, Ongoing: 0

AREAS OF EXPERTISE

Bio - Organic Chemistry Enzyme Technology Chemical Sciences

ACADEMIC QUALIFICATION

PhD in Kimia Sintesis (2006) Bachelor in Kimia Industri (2001)

RESEARCH

1. MODIFICATION OF VEGETABLE OILS USING HYDROPHILIC AND LIPOPHILIC MOIETIES TO PRODUCE WAX ESTERS FOR COSMETIC FORMULATIONS

2022 GERAN PENYELIDIKAN USIM ON GOING MAIN RESEARCHER

2. EVALUATION OF TYROSINSE AND FREE RADICAL SCAVENGING ACTIVITIES OF KOJIC ACID (KA) KOJIC ACID MONOOLEATE(KAMO)

2016 GERAN PENYELIDIKAN TRANSLASIONAL COMPLETED MAIN

3. A NEW DUAL BIOCATALYSTS SYSTEM IN IMPROVING THE REACTION SYNTHESIS OF KOJIC ESTER , A HALAL BIO BASED WHITENING AGENT

2012 GERAN KPT COMPLETED MAIN RESEARCHER

4. KINETIC MODELING AND OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY (RSM) FOR EFFICIENT PRODUCTION OF FERULATE ESTERS

2012 GERAN PENYELIDIKAN USIM COMPLETED MAIN RESEARCHER

5. OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY (RSM) FOR EFFICIENT PRODUCTION OF FERULATE ESTER

2011 GERAN PENYELIDIKAN FUNDAMENTAL COMPLETED MAIN RESEARCHER

RESEARCH

6. GREEN SYNTHESIS OF FLAVOUR ESTER VIA LIPASE-CATALYZED REACTION

2008 GERAN KPT COMPLETED MAIN RESEARCHER

7. ENZYMATIC SYNTHESIS OF PALM-BASED SPECIALTY ESTER AS RAW MATERIAL FOR COSMETIC

2007 GERAN PENYELIDIKAN FUNDAMENTAL COMPLETED MAIN RESEARCHER

PUBLICATION

ASIAN JOURNAL OF APPLIED SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

1. PRELIMINARY STUDY ON THE USE OF MAGNETIZE FE3O4-ZRO2 CATALYST FOR BIODIESEL PRODUCTION SEMINAR ANTARABANGSA ISLAM DAN SAINS 2023 PROCEEDING NON-INDEX MAIN AUTHOR
2. OPTIMIZATION OF THE BIODIESEL PRODUCTION VIA TRANSESTERIFICATION REACTION OF PALM OIL USING RESPONSE SURFACE METHODOLOGY (RSM): A REVIEW 2ND APPLIED SCIENCE RESEARCH INTERNATIONAL CONFERENCE 2022 (2ND ASRIC 2022) PROCEEDING MYCITE MAIN AUTHOR
3. HIGH PERFORMANCE OF LIPASE CATALYZED SYNTHESIS OF KOJIC ACID MONOOLEATE IN DUAL ENZYME SYSTEM NACOSS VI 2021 PROCEEDING NON-INDEX MAIN AUTHOR
4. HIGH PERFORMANCE OF LIPASE CATALYZED SYNTHESIS OF KOJIC ACID MONOOLEATE IN DUAL ENZYME SYSTEM NACOSS VI 2021 PROCEEDING NON-INDEX MAIN AUTHOR
5. SYNTHESIS AND ANTIMICROBIAL STUDY OF KOJIC ACID MONOOLEATE VIRTUAL SYMPOSIUM ON SCIENCES 2021 2021 PROCEEDING NON-INDEX MAIN AUTHOR 6. EVALUATION OF CONSORTIUM ENZYME TOWARDS KOJIC ACID SYNTHESIS
MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY 2020 JOURNAL OTHERS DATABASE MAIN AUTHOR 7. LIPASE CATALYZED SYNTHESIS OF KOJIC ACID MONOOLEATE IN ORGANIC SOLVENT. VIRTUAL SYMPOSIUM ON SCIENCES 2020 (VSOS 2020)
2020 PROCEEDING NON-INDEX MAIN AUTHOR
8. EVALUATION ON CONSORTIUM ENZYME TOWARDS KOJIC ACID SYNTHESIS ADVANCES IN MATERIALS SEMINAR 2019 (AIMS2019) PROCEEDING NON-INDEX MAIN AUTHOR
9. EVALUATION OF TYROSINASE ACTIVITY AND RADICAL SCAVENGING ACTIVITY OF KOJIC ACID AND KOJIC ACID MONOOLEATE ADVANCED SCIENCE LETTERS 2017 JOURNAL SCOPUS MAIN AUTHOR
10. OPTIMIZATION OF EUGENOL ESTER USING STATISTICAL APPROACH OF RESPONSE SURFACE METHODOLOGY MATERIALS SCIENCE FORUM 2016 JOURNAL SCOPUS MAIN AUTHOR
11. ANTIBACTERIAL STUDY OF OLIVE-BASED FERULATE ESTERS WORLD JOURNAL OFPHARMACY AND PHARMACEUTICAL SCIENCES 2015 JOURNAL SCOPUS MAIN AUTHOR
12. IMPROVEMENT ON THE CATALYTIC PERFORMANCE USING DUAL LIPASES SYSTEM IN THE SYNTHESIS OF FERULATE ESTERS APPLIED MECHANIS AND MATERIALS 2015 JOURNAL SCOPUS MAIN AUTHOR
13. DUAL LIPASES SYSTEM IN TRANSESTERIFICATION OF ETHYL FERULATE WITH OLIVE OIL: OPTIMIZATION BY RESPONSE SURFACE METHODOLOGY

PUBLICATION

14. OPTIMIZATION OF OLEYL ESTER USING STATISTICAL APPROACH OF RESPONSE SURFACE METHODOLOGY INTERNATIONAL INSTITUTE OF CHEMICAL, BIOLOGICAL & ENVIRONMENTAL ENGINEERING (IICBEE) 2015 PROCEEDING NON-INDEX MAIN AUTHOR 15. HIGH YIELD SYNTHESIS OF KOJIC ESTER USING DUAL ENZYMES SYSTEM AND THEIR ANTIBACTERIAL ACTIVITY KEY ENGINEERING MATERIALS 2014 JOURNAL SCOPUS MAIN AUTHOR 16. ENZYMATIC SYNTHESIS OF OLIVE-BASED FERULATE ESTERS: OPTIMIZATION BY RESPONSE SURFACE **METHODOLOGY** INTERNATIONAL JOURNAL OF CHEMICAL, NUCLEAR AND MATERIALS ENGINEERING 2014 JOURNAL SCOPUS MAIN AUTHOR 17. OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY (RSM) OF DUAL ENZYMES SYSTEM FOR THE PRODUCTION OF FERULATE ESTER 38TH ANNUAL CONFERENCE OF THE MALAYSIAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY 2013 PROCEEDING NON-INDEX MAIN AUTHOR 18. HIGH YIELD SYNTHESIS OF KOJIC ESTER USING DUAL ENZYMES SYSTEM AND THEIR ANTIBACTERIAL ACTIVITIES 2ND INTERNATIONAL CONFERENCE ON ADVANCE MATERIAL ENGINEERING @ TECHNOLOGY 2013 PROCEEDING NON-INDEX MAIN AUTHOR 19. BASICS OF CHROMATOGRAPHY TECHNIQUE AND ITS SAMPLE PREPARATION HALAL SCIENCE AND TECHNOLOGY FOR PROFESSIONAL HALAL ANALYST PROGRAM 2013 CHAPTER IN BOOK MAIN AUTHOR 20. OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY (RSM) OF DUAL ENZYMES SYSTEM FOR THE PRODUCTION OF FERULATE ESTER MALAYSIAN INTERNATIONAL CONFERENCE ON TRENDS IN BIOPROCESS ENGINEERING (MICOTRIBE 2012) 2012 PROCEEDING NON-INDEX MAIN AUTHOR 21. BASIC OF CHROMATOGRAPHY AND ITS SAMPLE PREPARARTION MODUL FOR KTP FLAGSHIP 2012 CHAPTER IN BOOK MAIN AUTHOR 22. GREEN SYNTHESIS OF BUTYL ACETATE, A PINEAPPLE FLAVOR VIA LIPASE- CATALYZED REACTION WORLD APPLIED SCIENCE AND TECHNOLOGY JOURNAL 2011 JOURNAL WOS MAIN AUTHOR 23. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF NONYL CAPRYLATE USING RESPONSE SURFACE **METHODOLOGY (RSM)** JOURNAL OF BIOTECHNOLOGY & BIOMATERIALS 2011 JOURNAL WOS MAIN AUTHOR 24. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF ETHYL VALERATE, A GREEN APPLE FLAVOR USING RESPONSE SURFACE METHODOLOGY (RSM) JOURNAL OF ENVIRONMENTAL SCIENCE AND ENGINEERING 2011 JOURNAL WOS MAIN AUTHOR

25. GREEN SYNTHESIS OF BUTYL ACETATE, A PINEAPPLE FLAVOUR VIA LIPASE-CATALYZED REACTION

ICACCE 2011: INTERNATIONAL CONFERENCE ON APPLIED CHEMISTRY AND CHEMICAL ENGINEERING

2011 PROCEEDING NON-INDEX MAIN AUTHOR

26. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF FLAVOR ESTER USING RESPONSE SURFACE METHODOLOGY (RSM)

THE 24TH REGIONAL SYMPOSIUM MALAYSIAN ANALYTICAL SCIENCES (SKAM-24)

2011 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF NONYL CAPRYLATE, A CITRUS AND ROSE FLAVOR USING RESPONSE SURFACE METHODOLOGY (RSM)

10TH INTERNATIONAL ANNUAL SYMPOSIUM

2011 PROCEEDING NON-INDEX MAIN AUTHOR

28. STUDY ON ANTIMICROBIAL ACTIVITY OF ETHYL VALERATE, A FRUITY FLAVOUR ESTER

22ND PACIFIC SCIENCE CONGRESS, KLCC, MALAYSIA

2011 PROCEEDING NON-INDEX MAIN AUTHOR

29. KINETICS OF ENZYMATIC SYNTHESIS OF LIQUID WAX ESTER FROM OLEIC ACID AND OLEYL ALCOHOL

JOURNAL OF OLEO SCIENCE

2010 JOURNAL WOS MAIN AUTHOR

30. PROCESS IMPROVEMENT ON THE LIPASE-CATALYZED SYNTHESIS OF OLEYL PALMITATE, A WAX ESTER VIA RESPONSE SURFACE METHODOLOGY (RSM)

JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING

2010 JOURNAL WOS MAIN AUTHOR

31. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF ETHYL VALERATE, A GREEN APPLE FLAVOR USING RESPONSE SURFACE METHODOLOGY (RSM)

JOURNAL OF ENVIRONMENTAL SCIENCE AND ENGINEERING

2010 JOURNAL WOS MAIN AUTHOR

32. OPTIMIZATION OF LIPASE-CATALYZED SYNTHESIS OF ETHYL VALERATE, A GREEN APPLE FLAVOR USING RESPONSE SURFACE METHODOLOGY

THE 3RD PENANG INTERNATIONAL CONFERENCE FOR YOUNG CHEMISTS (PENANG ICYC) 2010

2010 PROCEEDING NON-INDEX MAIN AUTHOR

33. RESPONSE SURFACE METHODOLOGICAL STUDY ON THE GREEN SYNTHESIS OF NONYL CAPRYLATE, A FLAVOUR ESTER VIA LIPASE CATALYZED REACTION

THE 2ND INTERNATIONAL CONFERENCE ON CHEMICAL SCIENCES, 2010

2010 PROCEEDING NON-INDEX MAIN AUTHOR

34. PRELIMINARY STUDY ON THE OPTIMIZATION OF LIPASE-CATALYZED SYNTHESIS OF FLAVOUR ESTERS IN SOLVENT FREE SYSTEM

REGIONAL ANNUAL FUNDAMENTAL SCIENCE SYMPOSIUM (RAFSS 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

35. ANTIMICROBIAL ACTIVITY OF NEWLY SYNTHESIZED FLAVOR ESTER

SEMINAR KEBANGSAAN APLIKASI SAINS DAN MATEMATIK 2010 (SKASM 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

36. A NEW APPROACH OF THE SYNTHESIZING FERULATE ESTER A SUNSCREEN AGENT VIA LIPASE-CATALYZED REACTION

PROGRAM BOOK AND ABSTRACT: EXPO INOVASI ISLAM 2010

2010 CHAPTER IN BOOK MAIN AUTHOR

37. STUDY OF ENZYMATIC SYNTHESIS OF BUTYL ACETATE USING IMMOBILIZED LIPASE FROM RHIZOMUCOR MIEHEI 2ND THE INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY WELLNESS INDUSTRY

2009 PROCEEDING NON-INDEX MAIN AUTHOR

38. STUDY OF ENZYMATIC SYNTHESIS OF BUTYL ACETATE USING IMMOBILIZED LIPASE FROM RHIZOMUCOR MIEHEI 2ND THE INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY WELLNESS INDUSTRY

2009 PROCEEDING NON-INDEX MAIN AUTHOR

39. STUDY OF ENZYMATIC SYNTHESIS OF BUTYL ACETATE USING IMMOBILIZED LIPASE FROM RHIZOMUCOR MIEHEI? INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY WELLNESS INDUSTRY

2009 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

1. FULL PAPER REVIEWER FOR THE KOLOKIUM SISWAZAH SAINS DAN TEKNOLOGI 2018 FST

2018 UNIVERSITY

2. PERUNDINGAN BAGI PELAJAR KURSUS SEMINAR KEPUJIAN

2014 UNIVERSITY

3. PERUNDINGAN BAGI PELAJAR SISWAZAH

2014 UNIVERSITY

4. PERUNDINGAN BAGI PELAJAR TESIS TAHUN AKHIR

2014 UNIVERSITY

5. REVIEWER FOR RESEARCH PAPER ENTITLED "OPTIMIZATION OF NOVEL METHOD FOR THE EXTRACTION OF STEVIOSIDE FROM STEVIA REBAUDIANA LEAVES" PUBLISHED IN JOURNAL OF FOOD CHEMISTRY

2011 INTERNATIONAL

AWARDS/RECOGNITION

1. SYNTHESIS AND BIOLOGICAL STUDIES OF WAX ESTER FROM OLIVE-BASED FATTY ACID AS RAW MATERIAL FOR COSMETIC FORMULATION

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

2. IONIC LIQUIDS AS GREEN SOLVENTS FOR CHF BIOMASS PRETREATMENT

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

3. OUTSTANDING ACHIEVEMENT AWARD 2018

2020 OTHERS

4. AWARD OF APPRECIATION 2019

2020 OTHERS

5. TOP 100 RESEARCHERS USIM (2013-2017)

TOP 100 RESEARCHERS

2018 UNIVERSITI CERTIFICATE OF APPRECIATION