Profile Image

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CONTACT

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FACULTY

Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	1
Master	11	0

AREAS OF EXPERTISE

Bioorganic Chemistry

ACADEMIC QUALIFICATION

2006 **PhD** - Kimia Sintesis

2001 **Bachelor** - Kimia Industri

RESEARCH

1. **EVALUATION OF CHITOSAN HYDROGEL DERIVED FROM SEAFOOD WASTE IN ENCAPSULATING AND DELIVERING MICROBIAL BIOCONTROL AGENTS FOR COMMUNITY-BASED VEGETABLE FARMING**

2024 | GERAN PENYELIDIKAN PENTADBIR | ON GOING | CO-RESEARCHER

2. **EVALUATION OF THE PHYSICOCHEMICAL CHARACTERISTICS OF SULFATE-BASED IONIC LIQUIDS FOR THE PRETREATMENT OF LIGNOCELLULOSIC BIOMASS FROM OIL PALM EMPTY FRUIT BUNCH**

2024 | GERAN KPT | ON GOING | CO-RESEARCHER

3. **TRANSPORT PROPERTIES OF CELLULOSE DERIVATIES BASED POLYMER ELECTROLYTE DOPED WITH IONIC LIQUIDS USING SPECTROSCOPY METHODS**

2023 | GERAN KPT | ON GOING | CO-RESEARCHER

4. **ELUCIDATION OF THE PHYSICOCHEMICAL PROPERTIES OF FUNCTIONALIZED IONIC LIQUID CATIONS AND ANIONS TOWARD THE DECOMPOSITION OF LIGNOCELLULOSIC MATERIALS.**

2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

5. **ZRO2-FE3O4 AS A NANO-MAGNETIC BIFUNCTIONAL CATALYST FOR BIODIESEL PRODUCTION FROM WASTE COOKING OIL**

2022 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

RESEARCH

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

2022 | GERAN PENYELIDIKAN USIM | ON GOING | MAIN RESEARCHER

7. PHYSICOCHEMICAL PROPERTIES OF MODIFIED PHOSPHOMOLYBDIC ACID/HYDROTALCITE CATALYZED HYDROLYTIC OXIDATION OF CELLULOSE TO FORMIC ACID

2019 | GERAN KPT | COMPLETED | CO-RESEARCHER

8. MONTMORILLONITE CLAY MODIFIED WITH METAL CATIONS AS ACID CATALYSTS FOR BIODIESEL PRODUCTION FROM WASTE COOKING OIL.

2017 | GERAN KPT | COMPLETED | CO-RESEARCHER

9. METAL CATION -EXCHANGED MONTMORILLONITE K10 AS A GREEN CATALYST FOR PRODUCTION OF OLEIC ACID ALKYL ESTERS

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | CO-RESEARCHER

10. ELECTRICAL STUDIES OF RENEWABLE BIONANOCOMPOSITE BIOPOLYMER ELECTROLYTE FOR DYE SENSITIZED SOLAR CELL (DSSC) APPLICATION

2016 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2016 | GERAN PENYELIDIKAN TRANSLASIONAL | COMPLETED | MAIN RESEARCHER

12. EFFECT OF ENVIRONMENTAL STRESS FACTORS AND GROWTH CONDITIONS ON BACILLUS SP. IN PRODUCING BIOACTIVE PROTEINS

2015 | GERAN KPT | COMPLETED | CO-RESEARCHER

13. IDENTIFICATION AND CHARACTERISATION OF MICROORGANISMS ASSOCIATED WITH SEA CUCUMBERS FROM MALAYSIA WATERS

2015 | GERAN KPT | COMPLETED | CO-RESEARCHER

14. ISOLATION AND MOLECULAR IDENTIFICATION OF RIBOFLAVIN-PRODUCING YEAST STRAINS FROM SELECTED LOCAL FRUITS IN MALAYSIA

2014 | GERAN PENYELIDIKAN JANGKA PENDEK | COMPLETED | CO-RESEARCHER

15. CHARACTERIZATION OF DEEP EUTETIC SOLVENT (DES) - DOPED CHITOSAN BASED POLYMER ELECTROLYTE FRO SOLAR CELL APPLICATION

2013 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

16. ENZYMATIC SYNTHESIS OF FERULATE ESTERS, A BIO-BASED UV ABSORBER USING A NEW DUAL BIOCATALYST SYSTEM

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

17. OPTIMIZATION AND CHARACTERIZATION OF BIOACTIVE PROTEIN PRODUCED BY BACILLUS SP. IN THE PRESENCE OF CYMBOPOGON SP. ESSENTIAL OILS

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

RESEARCH

18. ELECTRICAL STUDIES OF LAUROYL-CHITOSAN BLEND POLYMER ELECTROLYTES FOR APPLICATION IN LITHIUM BATTERY

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

20. SCREENING ON BIOLOGICAL PROPERTIES OF EUPHORBIA HIRTA (L.)

2012 | GERAN PENYELIDIKAN PENTADBIR | COMPLETED | CO-RESEARCHER

21. ANTIMICROBIAL EFFECTS ON BIOACTIVE PROTEINS OR PEPTIDES PRODUCTION BY LACTOBACILLUS SP.

2012 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

22. NEW ACTIVATED BIOCATALYST IN THIN FILM OF CELLULOSE DERIVATIVE

2012 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

23. 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

24. ANTIMICROBIAL EFFECTS ON BIOACTIVE PROTEINS OR PEPTIDES PRODUCTION BY BACILLUS SP.

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

25. USE OF RESPONSE SURFACE METHODOLOGY FOR ENHANCEMENT OF ITURIN A PRODUCTION AND INVESTIGATION OF ITS ANTIFUNGAL ACTIVITY FOR BIOLOGICAL CONTROL OF CERTAIN PHYTOPATHOGENS

2012 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2012 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

27. INTERACTION OF TWO LIPASES IN THE PRODUCTION OF RESTRUCTURED LIPIDS

2011 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

28. PHYSICO-CHEMICAL STABILITY OF BANANA AND CASSAVA CHIPS DURING STORAGE UNDER DIFFERENT PACKAGING CON

2011 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

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

2011 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

30. THE STUDY OF CELLULOSE-BASED HYBRID SOLID POLYMER ELECTROLYTES

2010 | GERAN KPT | COMPLETED | CO-RESEARCHER

RESEARCH

31. EFFECTS OF ANTIMICROBIAL - INDUCED STRESS ON BIOCTIVE PROTEINS OR PEPTIDES PRODUCTION BY BACILLUS SP. AND LACTOBACCILLUS SP.

2010 | GERAN PENYELIDIKAN INDUSTRI | COMPLETED | CO-RESEARCHER

32. STUDY ON BIOLOGICAL OF ESSENTIAL OIL FROM CYMBOPOGON SP.

2009 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | CO-RESEARCHER

33. STUDY ON ANTIMICROBIAL EFFECT OF SOLANUM MACROCARPON

2009 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2009 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2008 | GERAN KPT | COMPLETED | MAIN RESEARCHER

36. NEW FELDSPAR-IMMOBILIZED BIOCATALYSTS FOR ORGANIC SYNTHESIS

2008 | GERAN KPT | COMPLETED | CO-RESEARCHER

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

2007 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. IDENTIFICATION AND ANTAGONISTIC ACTIVITY SCREENING OF YEASTS ISOLATED FROM FERMENTED CASSAVA AGAINST ASPERGILLUS NIGER

MALAYSIAN JOURNAL OF MICROBIOLOGY

2026 | JOURNAL | OTHER DATABASE | CO-AUTHOR

2. ENZYMATIC SYNTHESIS AND ANTIMICROBIAL STUDIES OF ETHYL BUTYRATE: A SHORT CHAIN ESTER FOR FRAGRANCE INDUSTRY

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2026 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

3. BIOLOGICAL AND PHYSIOCHEMICAL STUDIES OF OLEYL PALMITATE AS AN ACTIVE AGENT IN COSMETIC FORMULATION

CHEMICAL AND NATURAL RESOURCES ENGINEERING JOURNAL

2025 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

4. BIOLOGICAL AND PHYSICOCHEMICAL STUDIES OF OLEYL OLEATE AS AN ACTIVE AGENT TO BE APPLIED IN COSMETIC FORMULATION.

JOURNAL OF ACADEMIA

2025 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

PUBLICATION

5. ANTIBACTERIAL AND PHYSICOCHEMICAL PROPERTIES OF PALM AND OLIVE-BASED WAX ESTERS

JOURNAL OF ACADEMIA

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

6. SULFATE-BASED IONIC LIQUIDS AS SOLVENTS FOR DECOMPOSITION OF LIGNOCELLULOSE MATERIALS FROM COCONUT HUSK FIBER

2ND INTERNATIONAL SCIENCE, ENGINEERING AND TECHNOLOGY COLLOQUIUM (ISETC 2025)

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

7. ELEMENTAL ANALYSIS, EXTRACTION CONDITIONS, AND BRINE SHRIMP TOXICITY OF DEFATTED HYLOCEREUS POLYRHIZUS SEED

MALAYSIAN JOURNAL OF CHEMISTRY

2024 JOURNAL OTHER DATABASE CO-AUTHOR

8. PHENOLICS COMPOUNDS AND ANTIOXIDANT ACTIVITIES FROM OPTIMIZED PHEONIX DACTYLIFERA EXTRACT USING RESPONSE SURFACE METHODOLOGY

MALAYSIAN JOURNAL OF CHEMISTRY

2024 JOURNAL OTHER DATABASE CO-AUTHOR

9. CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF CHITOSAN EXTRACTED FROM SQUID PEN WASTES

MALAYSIAN JOURNAL OF CHEMISTRY

2024 JOURNAL OTHER DATABASE CO-AUTHOR

10. OPTIMIZATION OF THE SYNTHESIS OF OLEYL OLEATE FROM OLIVE-BASED FATTY ACID BY RESPONSE SURFACE METHODOLOGY

MALAYSIAN JOURNAL OF CHEMISTRY

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

11. CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF CHITOSAN EXTRACTED FROM SQUID PEN WASTES

MALAYSIAN JOURNAL OF CHEMISTRY

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

12. BIOLOGICAL AND PHYSICOCHEMICAL STUDIES OF OLEYL OLEATE AS AN ACTIVE AGENT TO BE APPLIED IN COSMETIC FORMULATION.

2ND INTERNATIONAL BIOMECS SYMPOSIUM (IBS 2024)

2024 PROCEEDING MYCITE CORRESPONDING AUTHOR

13. BIOLOGICAL AND PHYSIOCHEMICAL STUDIES OF OLEYL PALMITATE TO BE APPLIED AS AN ACTIVE AGENT IN COSMETIC FORMULATION

THE 3RD APPLIED SCIENCES RESEARCH AND INNOVATION CONFERENCE 2024 (ASRIC2024)

2024 PROCEEDING MYCITE CORRESPONDING AUTHOR

14. DECOMPOSITION OF LIGNOCELLULOSE MATERIAL FROM OIL PALM EMPTY FRUIT BUNCH (OPEFB) USING SULFATE-BASED IONIC LIQUID

3RD APPLIED SCIENCES RESEARCH INTERNATIONAL CONFERENCE (ASRIC2024)

2024 PROCEEDING MYCITE CO-AUTHOR

PUBLICATION

15. DECOMPOSITION OF LIGNOCELLULOSE MATERIAL FROM COCONUT HUSK FIBER USING SULFATE-BASED IONIC LIQUID

THE 3RD APPLIED SCIENCES RESEARCH AND INNOVATION CONFERENCE 2024 (ASRIC2024)

2024 PROCEEDING MYCITE CO-AUTHOR

16. CHARACTERIZATION OF A LIPASE-PRODUCING YEAST STRAIN IDENTIFIED AS HANSENIASPORA SP.

2ND INTERNATIONAL BIOMECS SYMPOSIUM (IBS) 2024

2024 PROCEEDING MYCITE CO-AUTHOR

17. EVALUATION OF BIOPLASTICS PRODUCED FROM BANANA PEELS AND CHITOSAN

THE 3RD APPLIED SCIENCES RESEARCH AND INNOVATION CONFERENCE 2024 (ASRIC2024)

2024 PROCEEDING MYCITE CO-AUTHOR

18. OPTIMIZATION OF THE BIODIESEL PRODUCTION VIA TRANSESTERIFICATION REACTION OF PALM OIL USING RESPONSE SURFACE METHODOLOGY (RSM): A REVIEW

MALAYSIAN JOURNAL OF CHEMISTRY

2023 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

19. ANTIBACTERIAL AND PHYSICOCHEMICAL PROPERTIES OF PALM AND OLIVE- BASED WAX ESTERS.

THE 3RD VIRTUAL INTERNATIONAL SYMPOSIUM ON SCIENCES 2023 (VISOS 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

20. OPTIMIZATION OF THE SYNTHESIS OF WAX ESTER FROM OLIVE-BASED FATTY ACID BY RESPONSE SURFACE METHODOLOGY

THE 3RD INTERNATIONAL SYMPOSIUM ON SCIENCES 2023

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

21. OPTIMIZATION OF THE SYNTHESIS PALM-BASED WAX ESTER VIA RESPONSE SURFACE METHOD.

3RD VIRTUAL INTERNATIONAL SYMPOSIUM ON SCIENCES 2023 (3RD VISOS 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

22. CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF CHITOSAN EXTRACTED FROM SQUID PEN WASTES

3RD VIRTUAL INTERNATIONAL SYMPOSIUM ON SCIENCES 2023 (3RD VISOS 2023)

2023 PROCEEDING NON-INDEX CO-AUTHOR

23. PRELIMINARY STUDY ON THE USE OF MAGNETIZE FE3O4-ZRO2 CATALYST FOR BIODIESEL PRODUCTION

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2023

2023 PROCEEDING NON-INDEX MAIN AUTHOR

24. OPTIMIZATION OF THE BIODIESEL PRODUCTION VIA TRANSESTERIFICATION REACTION OF PALM OIL USING RESPONSE SURFACE METHODOLOGY (RSM): A REVIEW

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2022 JOURNAL ERA CORRESPONDING AUTHOR

PUBLICATION

25. A REVIEW ON COSMETIC FORMULATIONS AND PHYSICOCHEMICAL CHARACTERISTICS OF EMOLLIENT AND DAY CREAM USING VEGETABLE BASED-WAX ESTER

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2022 JOURNAL OTHER DATABASE MAIN AUTHOR

26. A REVIEW ON APPLICATION OF IMMOBILIZED PEROXIDASE TECHNOLOGIES IN WASTEWATER TREATMENT

2ND APPLIED SCIENCE RESEARCH INTERNATIONAL CONFERENCE 2022 (2ND ASRIC 2022)

2022 PROCEEDING MYCITE CO-AUTHOR

27. IMMOBILIZATION OF AMYLASE ON NANOPARTICLES: A REVIEW

INTERNATIONAL BIOMECS SYMPOSIUM (IBS) 2022

2022 PROCEEDING MYCITE CO-AUTHOR

28. 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)

2022 PROCEEDING MYCITE MAIN AUTHOR

29. BIOTECHNOLOGICAL PRODUCTION OF BIOFLAVOURS USING YEAST: A MINIREVIEW

2ND APPLIED SCIENCE RESEARCH INTERNATIONAL CONFERENCE 2022 (2ND ASRIC 2022)

2022 PROCEEDING OTHER DATABASE CORRESPONDING AUTHOR

30. HIGH PERFORMANCE OF LIPASE CATALYZED SYNTHESIS OF KOJIC ACID MONOOLEATE IN DUAL ENZYME SYSTEM

NACOSS VI 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

31. HIGH PERFORMANCE OF LIPASE CATALYZED SYNTHESIS OF KOJIC ACID MONOOLEATE IN DUAL ENZYME SYSTEM

NACOSS VI 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

32. SYNTHESIS AND ANTIMICROBIAL STUDY OF KOJIC ACID MONOOLEATE

VIRTUAL SYMPOSIUM ON SCIENCES 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

33. CARPTENOID PIGMENTS FROM RHODOTORULA MUCILAGINOSA FOR FOOD APPLICATIONS: A REVIEW

NACOSS VI 2021

2021 PROCEEDING NON-INDEX CO-AUTHOR

34. EFFECT OF PH AND NUTRITIONAL FACTORS ON BACTERIAL GROWTH AND CAROTENOIDS PIGMENTS PRODUCTION BY LOCAL BACTERIAL ISOLATES VIA VARYING ONE PARAMETER AT-A-TIME APPROACH.

WORLD JOURNAL OF PHARMACEUTICAL AND LIFE SCIENCES

2020 JOURNAL OTHER DATABASE CO-AUTHOR

PUBLICATION

35. EFFECT OF PH AND NUTRITIONAL FACTORS ON BACTERIAL GROWTH AND CAROTENOIDS PIGMENTS PRODUCTION BY LOCAL BACTERIAL ISOLATES VIA VARYING ONE PARAMETER AT-A-TIME APPROACH

WORLD JOURNAL OF PHARMACEUTICAL AND LIFE SCIENCES

2020 JOURNAL SCOPUS CO-AUTHOR

36. CHECKLIST OF MARINE FUNGI AND YEASTS ASSOCIATED WITH HOLOTHURIA (MERTENSIOTHURIA) LEUCOSPILOTA FROM PANGKOR ISLAND.

JOURNAL OF SUSTAINABLE NATURAL RESOURCES

2020 JOURNAL OTHER DATABASE CO-AUTHOR

37. CHECKLIST OF MARINE FUNGI AND YEASTS ASSOCIATED WITH HOLOTHURIA (MERTENSIOTHURIA) LEUCOSPILOTA FROM PANGKOR ISLAND

JOURNAL OF SUSTAINABLE NATURAL RESOURCES

2020 JOURNAL OTHER DATABASE CO-AUTHOR

38. EVALUATION OF CONSORTIUM ENZYME TOWARDS KOJIC ACID SYNTHESIS

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2020 JOURNAL OTHERS DATABASE MAIN AUTHOR

39. EVALUATION OF CONSORTIUM ENZYME TOWARDS KOJIC ACID SYNTHESIS.

MJOST

2020 JOURNAL OTHER DATABASE MAIN AUTHOR / CONTACT PERSON IN USIM

40. LIPASE CATALYZED SYNTHESIS OF KOJIC ACID MONOOLEATE IN ORGANIC SOLVENT.

VIRTUAL SYMPOSIUM ON SCIENCES 2020 (VSOS 2020)

2020 PROCEEDING NON-INDEX MAIN AUTHOR

41. THE ADSORPTION BEHAVIOUR OF LIPASE IMMOBILIZED ONTO NATURAL CARRIER MATRICES

VIRTUAL SYMPOSIUM ON SCIENCES 2020 (VSOS 2020)

2020 PROCEEDING NON-INDEX CO-AUTHOR

42. EVALUATION ON CONSORTIUM ENZYME TOWARDS KOJIC ACID SYNTHESIS

ADVANCES IN MATERIALS SEMINAR 2019 (AIMS2019)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

43. EFFECT OF PH ON BACTERIAL GROWTH AND RED PIGMENT PRODUCTION BY SERRATIA MARCESCENS

NATIONAL CONFERENCE ON THE HUMANITIES AND SOCIAL SCIENCES (NACOSS)

2019 PROCEEDING NON-INDEX CO-AUTHOR

44. COMBINATION EFFECTS OF CYMBOPOGON SP. ESSENTIAL OIL ON SELECTED BACTERIA.

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

45. CYMBOPOGON NARDUS ESSENTIAL OIL AS PROTEIN INDUCER IN BACILLUS SUBTILIS ATCC21332

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

PUBLICATION

46. EFFECTS OF ENVIRONMENTAL AND GROWTH CONDITIONS ON PROTEIN PRODUCED BY BACILLUS SUBTILIS ATCC21332 IN THE PRESENCE OF CYMBOPOGON FLEXUOSUS ESSENTIAL OIL.

MALAYSIAN APPLIED BIOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

47. EFFECT OF ETHYL PENTANOATE ON ANTI- QUORUM ACTIVITY OF EXTRACELLULAR PROTEIN SECRETED BY&#65533;BACILLUS SUBTILIS&#65533;ATCC11774.&#65533;

INTERNATIONAL JOURNAL OF ENGINEERING TECHNOLOGIES AND MANAGEMENT RESEARCH&#65533;

2018 JOURNAL SCOPUS CO-AUTHOR

48. ANTIMICROBIAL ACTIVITY OF EXTRACELLLULAR PROTEINS SECRETED BY BACILLUS SUBTILIS ATCC21332 AFTER BEING INDUCED WITH CYMBOPOGON FLEXUOSUS ESSENTIAL OIL AND CULTURED IN DIFFERENT GROWTH CONDITIONS.

INTERNATIONAL JOURNAL FOR RESEARCH IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

49. BASIC PRINCIPLES AND SAMPLE PREPARATION OF CHROMATOGRAPHY TECHNIQUES.

SCIENCE AND TECHNOLOGY MODULE: TECHNIQUES AND INSTRUMENTS IMPLEMENTED FOR HALAL ANALYSIS OF PRODUCTS

2018 CHAPTER IN BOOK CO-AUTHOR

50. EVALUATION OF TYROSINASE ACTIVITY AND RADICAL SCAVENGING ACTIVITY OF KOJIC ACID AND KOJIC ACID MONOOLEATE

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS MAIN AUTHOR

51. EFFECTS OF CYMBOPOGONFLEXUOSUS ESSENTIAL OIL AND PH ON ANTI-COAGULANT ACTIVITY OF EXTRACELLULAR PROTEINS SECRETED BY BACILLUS SUBTILIS ATCC21332

INTERNATIONAL JOURNAL OF SCIENCE, ENVIRONMENT AND TECHNOLOGY

2017 JOURNAL SCOPUS CO-AUTHOR

52. CHROMATROGRAPHY: PRINCIPLES AND ITS SAMPLE PREPARATION

HALAL SCIENCE AND TECHNOLOGY MODULE (TECHNIQUES AND INSTRUMENTS IMPLEMENTED FOR HALAL ANALYSIS OF PRODUCTS)

2017 CHAPTER IN BOOK CO-AUTHOR

53. OPTIMIZATION OF EUGENOL ESTER USING STATISTICAL APPROACH OF RESPONSE SURFACE METHODOLOGY

MATERIALS SCIENCE FORUM

2016 JOURNAL SCOPUS MAIN AUTHOR

54. STEARIC ACID ESTERS SYNTHESIZED USING IRON EXCHANGED MONTMORILLONITE K10 CLAY CATALYSTS

INTERNATIONAL JOURNAL OF APPLIED CHEMISTRY

2016 JOURNAL SCOPUS CO-AUTHOR

55. METALCATIONEXCHANGEDMONTMORILLONITEK10(MMTK10):SURFACEPROPERTIESANDCATALYTICACTIVITY

JOURNAL OF SCIENTIFIC RESEARCH AND DEVELOPMENT

2016 JOURNAL SCOPUS CO-AUTHOR

PUBLICATION

56. EFFECT OF 1-ETHYL-3-METHYLIMIDAZOLIUM CHLORIDEAND POLYVINYLPYRROLIDONEON KINETICSOF CARBON DIOXIDEHYDRATES

INTERNATIONAL JOURNAL OF APPLIED CHEMISTRY.

2016 JOURNAL OTHER DATABASE CO-AUTHOR

57. THE MIRACLE OF HABBATUSSAUDA

CHEMISTRY OF FOOD, HEALTH AND TECHNOLOGY.

2016 CHAPTER IN BOOK CO-AUTHOR & CO-EDITOR

58. ANTIBACTERIAL STUDY OF OLIVE-BASED FERULATE ESTERS

WORLD JOURNAL OFPHARMACY AND PHARMACEUTICAL SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

59. IMPROVEMENT ON THE CATALYTIC PERFORMANCE USING DUAL LIPASES SYSTEM IN THE SYNTHESIS OF FERULATE ESTERS

APPLIED MECHANIS AND MATERIALS

2015 JOURNAL SCOPUS MAIN AUTHOR

60. ANTIMICROBIAL PROTEIN PRODUCED BY LACTOBACILLUS PLANTARUM ATCC8014 IN THE PRESENCE OF CYMBOPOGON SP. ESSENTIAL OILS

APPLIED MECHANICS AND MATERIALS

2015 JOURNAL SCOPUS CO-AUTHOR

61. DUAL LIPASES SYSTEM IN TRANSESTERIFICATION OF ETHYL FERULATE WITH OLIVE OIL: OPTIMIZATION BY RESPONSE SURFACE METHODOLOGY

ASIAN JOURNAL OF APPLIED SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

62. OPTIMIZATION OF OLEYL ESTER USING STATISTICAL APPROACH OF RESPONSE SURFACE METHODOLOG

INTERNATIONAL CONFERENCE ON CHEMICAL, ENVIRONMENTAL AND BIOLOGICAL SCIENCES

2015 JOURNAL OTHER DATABASE MAIN AUTHOR

63. 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

64. PROTEIN PRODUCED BY BACILLUS SUBTILIS ATCC11774 AFTER INDUCING WITH ALLIUM SATIVUM EXTRACT

INTERNATIONAL CONFERENCE ON CHEMICAL, ENVIRONMENTAL AND BIOLOGICAL SCIENCES

2015 PROCEEDING NON-INDEX CO-AUTHOR

65. HABBATUSSAUDA

AQLI AND NAQLI

2015 CHAPTER IN BOOK CO-AUTHOR & CO-EDITOR

66. HIGH YIELD SYNTHESIS OF KOJIC ESTER USING DUAL ENZYMES SYSTEM AND THEIR ANTIBACTERIAL ACTIVITY

KEY ENGINEERING MATERIALS

2014 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

67. PROTEIN PRODUCED BY BACILLUS SUBTILIS ATCC21332 IN THE PRESENCE OF CYMBOPOGON FLEXUOSUS ESSENTIAL OIL

KEY ENGINEERING MATERIAL

2014 JOURNAL SCOPUS CO-AUTHOR

68. STUDY ON ANTI-QUORUM SENSING POTENTIAL OF SELECTED LOCAL ULAM IN MALAYSIA

WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES

2014 JOURNAL SCOPUS CO-AUTHOR

69. 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

70. EXTRACELLULAR PROTEIN SECRETED BY BACILLUS SUBTILIS ATCC21332 IN THE PRESENCE OF STREPTOMYCIN SULFATE

INTERNATIONAL JOURNAL OF CHEMICAL, NUCLEAR AND MATERIALS ENGINEERING

2014 JOURNAL SCOPUS CO-AUTHOR

71. PROTEIN PRODUCED BY LACTOBACILLUS PLANTARUM ATCC 8014 DURING STRESS

WORLD JOURNAL OF SCIENCE AND TECHNOLOGY RESEARCH

2013 JOURNAL SCOPUS CO-AUTHOR

72. PROTEIN SECRETED BY BACILLUS SUBTILIS ATCC 21332 IN THE PRESENCE OF ALLIUM SATIVUM

AMERICAN JOURNAL OF BIOLOGICAL, CHEMICAL AND PHARMACEUTICAL SCIENCES

2013 JOURNAL SCI CO-AUTHOR

73. BIOACTIVE PROTEIN PRODUCED BY LACTOBACILLUS PLANTARUM ATCC 8014 IN THE PRESENCE OF ALLIUM SATIVUM

INTERNATIONAL JOURNAL OF MEDICAL SCIENCES AND HEALTH CARE

2013 JOURNAL SCI CO-AUTHOR

74. 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

75. 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

76. BASICS OF CHROMATOGRAPHY TECHNIQUE AND ITS SAMPLE PREPARATION

HALAL SCIENCE AND TECHNOLOGY FOR PROFESSIONAL HALAL ANALYST PROGRAM

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77. 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

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

INTERNATIONAL CONFERENCE ON HALAL SCIENCE AND TECHNOLOGY

2012 PROCEEDING NON-INDEX CO-AUTHOR

79. THE POTENTIAL OF ANTIMICROBIAL COMPOUNDS AS AN INDUCER FOR PROTEIN PRODUCTION BY BACILLUS SUBTILIS ATCC21332 AND LACTOBACILLUS PLANTARUM ATCC8014

FUNDAMENTAL SCIENCE CONGRESS 2012

2012 PROCEEDING NON-INDEX CO-AUTHOR

80. PHYSICOCHEMICAL CHARACTERIZATION AND IMMOBILIZATION ON CANDIDA RUGOSA LIPASE ONTO NANOFIBERS FROM KENAF CORE

MALAYSIAN INTERNATIONAL CONFERENCE ON TRENDS IN BIOPROCESS ENGINEERING

2012 PROCEEDING NON-INDEX CO-AUTHOR

81. NANOCLAY AS POTENTIAL SUPPORT FOR IMMOBILIZATION OF LIPASE FROM CANDIDA ROGISA PHYSICOCHEMICAL PROPOERTIES

INTERNATIONAL ANNUAL SYMPOSIUM ON SUSTANABILITY SCIENMVE AND MANAGEMENT 2012

2012 PROCEEDING NON-INDEX CO-AUTHOR

82. BASIC OF CHROMATOGRAPHY AND ITS SAMPLE PREPARARTION

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2012 CHAPTER IN BOOK MAIN AUTHOR

83. PHARMACODYNAMIC PROPERTIES OF ESSENTIAL OILS FROM CYMBOPOGON SP

AFRICAN JOURNAL OF PHARMACY AND PHARMACOLOGY

2011 JOURNAL WOS CO-AUTHOR

84. GREEN SYNTHESIS OF BUTYL ACETATE, A PINEAPPLE FLAVOR VIA LIPASE- CATALYZED REACTION

WORLD APPLIED SCIENCE AND TECHNOLOGY JOURNAL

2011 JOURNAL WOS MAIN AUTHOR

85. PROTEIN PRODUCTION BY BACILLUS SUBTILIS ATCC 21332 IN THE PRESENCE OF CYMBOPOGON ESSENTIAL OILS

WORLD APPLIED SCIENCE AND TECHNOLOGY JOURNAL

2011 JOURNAL WOS CO-AUTHOR

86. OPTIMIZATION OF LIPASE CATALYZED SYNTHESIS OF NONYL CAPRYLATE USING RESPONSE SURFACE METHODOLOGY (RSM)

JOURNAL OF BIOTECHNOLOGY & BIOMATERIALS

2011 JOURNAL WOS MAIN AUTHOR

PUBLICATION

87. 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

88. 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

89. 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

90. 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

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

22ND PACIFIC SCIENCE CONGRESS, KLCC, MALAYSIA

2011 PROCEEDING NON-INDEX MAIN AUTHOR

92. STUDY OF ANTIMICROBIAL EFFECT OF SOLANUM MACROCARPON

INTERNATIONAL CONFEERENCE ON NATURAL PRODUCTS 2011

2011 PROCEEDING NON-INDEX CO-AUTHOR

93. ANTI-QUARUM SENSING ACTIVITY OF LOCAL ULAM IN MALAYSIA

INTERNATIONAL CONFERENCE ON NATURAL PRODUCTS 2011

2011 PROCEEDING NON-INDEX CO-AUTHOR

94. EFFECTS OF ESSENTIAL OILS-INDUCED STRESS ON PROTEIN PRODUCTION BY BACILLUS SUBTILIS ATCC 21332

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

2011 PROCEEDING NON-INDEX CO-AUTHOR

95. PROTEIN PRODUCTION BY BACILLUS SUBTILIS ATCC 21332 IN THE PRESENCE OF CYMBOPOGON ESSENTIAL OILS

ICBBS 2011 : INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY AND BIOSCIENCE

2011 PROCEEDING NON-INDEX CO-AUTHOR

96. GREEN SYNTHESIS OF LAURYL PALMITATE VIA LIPASE-CATALYZED REACTION

WORLD APPLIED SCIENCE JOURNAL

2010 JOURNAL WOS CO-AUTHOR

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

JOURNAL OF OLEO SCIENCE

2010 JOURNAL WOS MAIN AUTHOR

PUBLICATION

98. 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

99. 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

100. 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

101. 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

102. 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

103. ANTIMICROBIAL ACTIVITY OF NEWLY SYNTHESIZED FLAVOR ESTER

SEMINAR KEBANGSAAN APLIKASI SAINS DAN MATEMATIK 2010 (SKASM 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

104. COMBINATION EFFECTS OF ESSENTIAL OILS FROM CYMBOPOGON SP.

SEMINAR KEBANGSAAN APLIKASI SAINS DAN MATEMATIK 2010 (SKASM 2010)

2010 PROCEEDING NON-INDEX CO-AUTHOR

105. PHARMACODYNAMIC PROPERTIES OF ESSENTIAL OILS FROM CYMBOPOGON SP.

SEMINAR KEBANGSAAN APLIKASI SAINS DAN MATEMATIK 2010 (SKASM 2010)

2010 PROCEEDING NON-INDEX CO-AUTHOR

106. 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

107. ANTI QUARUM SENSING OF SELECTED LOCAL ULAM

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2010 CHAPTER IN BOOK CO-AUTHOR

PUBLICATION

108. NATURAL INSOLUBLE MATERIALS AS POTENTIAL SUPPORT FOR ENZYME IMMOBILIZATION

PROGRAM BOOK AND ABSTRACT: EXPO INOVASI ISLAM 2010

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109. STUDY OF ENZYMATIC SYNTHESIS OF BUTYL ACETATE USING IMMOBILIZED LIPASE FROM RHIZOMUCOR MIEHEI

2ND THE INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY WELLNESS INDUSTRY

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110. STUDY OF ENZYMATIC SYNTHESIS OF BUTYL ACETATE USING IMMOBILIZED LIPASE FROM RHIZOMUCOR MIEHEI

2ND THE INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY WELLNESS INDUSTRY

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111. STUDY OF ENZYMATIC SYNTHESIS OF BUTYL ACETATE USING IMMOBILIZED LIPASE FROM RHIZOMUCOR MIEHEI

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112. IN VITRO EFFECT OF NEW FRACTION (SWA 13) FROM SWEET LEMON GRASS CYMBOPOGON NARDUS L. RENDLE) TOWARDS HERPES SIMPLEX VIRUS TYPE 1

2ND INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY FOR THE WELLNESS INDUSTRY

2009 | PROCEEDING | NON-INDEX | CO-AUTHOR

113. BIOORGANIC SYNTHESIS OF WAX ESTER BY IMMOBILIZED LIPASE

2ND INTERNATIONAL CONFERENCE FOR YOUNG CHEMIST 2008

2008 | PROCEEDING | NON-INDEX | CO-AUTHOR

114. HIGH PERFORMANCE ENZYMATIC SYNTHESIS OF OLEYL LAURATE BY NOVOZYM 435

REGIONAL ANNUAL FUNDAMENTAL SCIENCE SEMINAR 2008

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115. NATURAL FELDSPAR AS SUPPORT FOR LIPASE IMMOBILIZATION IN THE SYNTHESIS OF WAX ESTER

14TH INTERNATIONAL CONGRESS ON CATALYSIS

2008 | PROCEEDING | NON-INDEX | CO-AUTHOR

116. STUDY ON RESPONSE SURFACE METHODOLOGY (RSM) ON LIPASE-CATALYZED SYNTHESIS OF OLEYL PALMITATE

BIOENERGY II: FUELS AND CHEMICALS FROM RENEWABLE RESOURCES

2008 | PROCEEDING | NON-INDEX | CO-AUTHOR

117. IN VITRO EFFECT OF NEW FRACTION (SWA 13) FROM SWEET LEMON GRASS (CYMBOPOGON NARDUS L. RENDLE) TOWARDS HERPES SIMPLEX VIRUS TYPE 1

REGIONAL ANNUAL FUNDAMENTAL SCIENCE SEMINAR 2008

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118. PROCESS IMPROVEMENT IN THE PRODUCTION OF OLEYL OLEATE, A LIQUID WAX ESTER IN STIRRED TANK REACTOR

13TH INTERNATIONAL BIOTECHNOLOGY SYMPOSIUM AND EXHIBITION: BIOTECHNOLOGY FOR SUSTAINABLE OF HUMAN SOCIETY

2008 PROCEEDING NON-INDEX CO-AUTHOR

119. LARGE SCALE PRODUCTION OF LIQUID WAX ESTER: IMPACT ON RHEOLOGICAL PROPERTY OF REACTION MIXTURE AND SURFACE MORPHOLOGY OF IMMOBILIZED ENZYME

INTERNATIONAL CONFERENCE ON ADVANCEMENT OF MATERIALS AND NANOTECHNOLOGY 2007

2007 PROCEEDING NON-INDEX CO-AUTHOR

120. ALCHEMIE: FROM THE ISLAMIC PAST TO THE MODERN WORLD

SAINS ISLAM MERENTASI ZAMAN

2007 CHAPTER IN BOOK CO-AUTHOR

121. LIQUID WAX ESTER (OLEYL OLEATE)

SPECIALTY ESTERS: ALTERNATIVE GREEN SYNTHESES PROCESS

2005 CHAPTER IN BOOK CO-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

6. PERUNDINGAN BAGI PELAJAR SISWAZAH

2011 INTERNATIONAL

7. PERUNDINGAN BAGI PELAJAR TESIS TAHUN AKHIR (PROGRAM TEKNOLOGI KIMIA PERINDUSTRIAN)

2011 INTERNATIONAL

CONSULTATION

8. PERUNDINGAN BAGI PELAJAR PROGRAM TEKNOLOGI KIMIA PERINDUSTRIAN (KURSUS SEMINAR KEPUJIAN)

2011 INTERNATIONAL

9. REVIEWER FOR RESEARCH PAPAER ENTITLED 'HIGH YIELD LIPASE-CATALYZED SYNTHESIS OF ENGKABANG FAT ESTERS FOR THE COSMETIC INDUSTRY BIORESOURCE TECHNOLOGY'

JOURNAL OF BIORESOURCE TECHNOLOGY

2010 INTERNATIONAL

10. PERUNDINGAN BAGI PELAJAR SISWAZAH

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11. PERUNDINGAN BAGI PELAJAR TESIS TAHUN AKHIR (PROGRAM BIOTEKNOLOGI MAKANAN)

2010 OTHERS

AWARDS/RECOGNITION

1. ANUGERAH PROSIDING 2024

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2. GREEN ENZYMATIC SYNTHESIS AND OPTIMIZATION OF TRICAPRIN (MEDIUM-CHAIN TRIGLYCERIDE) FOR ANTIMICROBIAL AND FUNCTIONAL APPLICATIONS: AN ISLAMIC SCIENCE PERSPECTIVE

INNOVATION BANK CHALLENGE 2025

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3. FROM AGRO-WASTE TO BIOETHANOL: GREEN TECHNOLOGY FOR TAYYIB SUSTAINABILITY

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA BRONZE

4. TOYYIBAN GREEN CHEMISTRY: ENZYMATIC SYNTHESIS AND ANTIMICROBIAL POTENTIAL OF CETYL PALMITATE FOR COSMETICS

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2025 ANTARABANGSA BRONZE

5. ANUGERAH PENERBITAN PROSIDING BERINDEKS WOS/SCOPUS (KLUSTER PENERBITAN)

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6. ANUGERAH KUALITI (KLUSTER KUALITI)

2024 UNIVERSITY

7. ANUGERAH PENYELIA TERBILANG (KLUSTER SISWAZAH)

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8. 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

9. IONIC LIQUIDS AS GREEN SOLVENTS FOR CHF BIOMASS PRETREATMENT

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

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10. OUTSTANDING ACHIEVEMENT AWARD 2018

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12. TOP 100 RESEARCHERS USIM (2013-2017)

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2018 UNIVERSITI CERTIFICATE OF APPRECIATION

13. PROFESSIONAL HALAL TRAINING PROGRAMME

THE INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTION (PECIPTA 17)

2017 UNIVERSITI SILVER

14. ANUGERAH PERKHIDMATAN CEMERLANG

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15. ANUGERAH PENYELIDIKAN

2013 UNIVERSITY