

PROF. MADYA DR. ALINA BINTI ABDUL RAHIM

PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

PhD	1 COMPLETED	1 ONGOING
Master	4 COMPLETED	2 ONGOING

AREAS OF EXPERTISE

Nutraceuticals · Food Analysis · Halal Products · Product Development

ACADEMIC QUALIFICATION

2004 **PhD** - Sains Makanan Dan Pemakanan

2000 **Master** - Sains Makanan Dan Pemakanan

1996 **Bachelor** - Sains Hayat Dengan Pengurusan

RESEARCH

1. **HALAL SLAUGHTERING COURSE HALJOB : CREATING NEW HALAL JOB FOR SABAHAN PROFESSIONAL SLAUGHTERERS AND**
2011 · GERAN KPT · COMPLETED · MAIN RESEARCHER

2. **DISASTER AND BIOTERRORISM THREATS TO FOOD GUIDELINES FOR ESTABLISHING AND STRENGHTENING FOOD TRAC**
2011 · GERAN PENYELIDIKAN FUNDAMENTAL · COMPLETED · MAIN RESEARCHER

3. **OXIDATIVE STABILITY OF FAT MODEL SYSTEMS IN SELECTED MALAYSIAN FOOD INDUSTRY BY PRODUCTS**
2010 · GERAN KPT · COMPLETED · MAIN RESEARCHER

4. **DEVELOPMENT OF METHODS IN DETECTION OF CHOLESTEROL OXIDISED PRODUCTS**
2007 · GERAN KPT · COMPLETED · MAIN RESEARCHER

5. **ANALISIS KOLESTEROL OKSIDA DI DALAM PRODUK DAGING TERPROSES YANG MENGGUNAKAN STEARIN SAWIT MERAH SEBAGAI GANTIAN LEMAK HAIWAN**
2007 · GERAN PENYELIDIKAN FUNDAMENTAL · COMPLETED · MAIN RESEARCHER

RESEARCH

6. PENGGUNAAN LEMAK DAN MINYAK SAWIT MERAH DI DALAM PRODUK DAGING TERPROSES

2006 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

7. A STUDY ON THE QUALITY AND MICROBIAL STABILITY OF READY TO EAT (RTE) PROCESSED MEATS

2004 | GERAN PENYELIDIKAN FUNDAMENTAL | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. PROGRAMME STANDARDS: HALAL STUDIES, FIRST EDITION 2020, MALAYSIAN QUALIFICATIONS AGENCY, MERCU MQA NO. 3539, JALAN TEKNOKRAT 7, CYBER 5, 63000 CYBERJAYA, SELANGOR

2020 | POLICY

2. RISK OF XENOBIOTICS AND NANOTOXICOLOGY: RELATING FOOD SAFETY AND WITH HALAL, THOYYIBAN CONCEPTS AND MAQASID SYARIAH

3RD INTERNATIONAL CONFERENCE SAFE FOOD FOR ALL

2017 | PROCEEDING | NON-INDEX | MAIN AUTHOR

3. HALAL FOOD TECHNOLOGY AND MANAGEMENT

1ST INTERNATIONAL HALAL MANAGEMENT CONFERENCE (IHMC) 2017

2017 | PROCEEDING | NON-INDEX | MAIN AUTHOR

4. BEST PRACTICES FOR HALAL INDUSTRY: INGREDIENTS

2017 | BOOK | MAIN AUTHOR

5. THE BENEFITS OF COFFEE AND CAFFEINE TO THE UMMAH ALINA ABDUL RAHIM

FOODS & BEVERAGES IN ISLAMIC & SCIENCE PERSPECTIVES

2016 | CHAPTER IN BOOK | MAIN AUTHOR

6. CHOLESTEROL OXIDATION PRODUCTS ANALYSIS IN MEAT AND POULTRY

MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH

2013 | JOURNAL | SCOPUS | MAIN AUTHOR

7. DETECTION OF BLOOD TRANSGLUTAMINASE ENZYME IN FISH SURIMI BASED PRODUCT BY USING POLYMERASE CHAIN REACTION (PCR) METHOD

MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH

2013 | JOURNAL | SCOPUS | MAIN AUTHOR

8. THE ACADEMIA&#xFFFD;S MULTIDISCIPLINARY APPROACHES IN PROVIDING EDUCATION, SCIENTIFIC TRAINING AND SERVICES TO THE MALAYSIAN HALAL INDUSTRY

MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH

2013 | JOURNAL | SCOPUS | MAIN AUTHOR

PUBLICATION

9. COMPARISON BETWEEN SOLVENT EXTRACTION USING GAS CHROMATOGRAPHY MASS SPECTROMETRY TRIPLE QUADRUPOLE (GCMS-QQQ) OF CHOLESTEROL AND CHOLESTEROL OXIDATION DERIVATIVES

MIDDLE-EAST JOURNAL OF SCIENTIFIC RESEARCH

2013 JOURNAL SCOPUS MAIN AUTHOR

10. INTROSPECTIVENESS OF HALAL SLAUGHTERING PROGRAM (HALJOB) MODULE ON EFFECTIVENESS AND KNOWLEDGE LEVEL AMONG TRAINEES: BRIDGING BETWEEN ACADEMIA AND INDUSTRY / COMMUNITY

PELAN STRATEGIK PENGAJIAN TINGGI NEGARA.HIMPUNAN ABSTRAK PERSIDANGAN KEBANGSAAN PERTAMA PROGRAM PEMINDAHAN ILMU (KTP01)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

11. EFFECT OF GRILLING AND ROASTING ON THE FATTY ACIDS PROFILE OF CHICKEN AND MUTTON

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

12. EFFECT OF GRILLING AND ROASTING ON FATTY ACIDS METHYL ESTHERS (FAME) IN BEEF AND PORK

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

13. EFFECT OF DIFFERENT COOKING METHODS ON FORMATION OF CHOLESTEROL OXIDATION PRODUCTS IN PORK AND BEEF.

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

14. OXIDATIVE STABILITY OF SMOKED CHICKEN SAUSAGE SUBSTITUTED WITH RED PALM MID FRACTION DURING CHILLED STORAGE

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

15. DETECTION OF BLOOD THROMBIN ENZYME IN SURIMI-BASED PRODUCTS BY USING POLYMERASE CHAIN REACTION (PCR) METHOD

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

16. EFFECT OF GRILLING AND ROASTING ON FORMATION OF CHOLESTEROL OXIDATION PRODUCTS (COPS) IN CHICKEN AND MUTTON

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

17. DETECTION OF NON-HALAL PLASMA TRANSGLUTAMINASE IN SELECTED SURIMI-BASED PRODUCTS BY USING SANDWICH ELISA METHOD.

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

18. EFFECT OF STORAGE ON FATTY ACID METHYL ESTER (FAME) AND CHOLESTEROL OXIDATION PRODUCTS (COPS) IN DIFFERENT TYPE OF SAUSAGES

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

19. EFFECT OF RICE BRAN AND CARBOXYMETHYL CELLULOSE ADDITION ON THE PHYSICOCHEMICAL QUALITY OF CHICKEN SAUSAGE FORMULATED WITH RED PALM MID FRACTION

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

20. DETECTION OF CHOLESTEROL OXIDATION PRODUCTS (COPS) IN RAW AND CHILLED STORAGE OF CHICKEN SAUSAGES FORMULATED WITH CHICKEN FAT AND RED PALM MID FRACTION

WORLD APPLIED SCIENCES JOURNAL (TOWARDS THE TRACEABILITY OF HALAL AND THOYYIBAN APPLICATION) ISSN 1818-4952

2012 JOURNAL SCOPUS MAIN AUTHOR

21. REAL-TIME PCR EVALUATION OF DNA EXTRACTION USING EPICENTRE AND DNA DETECTION USING TAQMQN METHOD FOR HALAL ANALYSIS PURPOSES IN GELATIN CONTAINING PROCESSED FOOD SAMPLES

THE 2ND INTERNATIONAL SEMINAR ON HALALNESS AND SAFETY OF FOOD AND PHARMACEUTICAL PRODUCTS UNIVERSITAS GADJAH MADA,YOGYAKARTA, INDONESIA,

2012 PROCEEDING NON-INDEX MAIN AUTHOR

22. IHRAM-USIM''S EXPERIENCES IN ESTABLISHING HALAL TRAINING AND ITS ROLE IN HALAL INDUSTRIES .

THE INTERNATIONAL CONFERENCE AND IMT-GT (INDONESIA- MALAYSIA - THAILAND- GROWTH TRIANGLE) HALAL PRODUCT EXHIBITION 2012 HAPEX 2012 AT THE 60TH ANNIVERSARY OF HIS MAJESTY THE KING''S ACESSION TO THE THRONE.

2012 PROCEEDING NON-INDEX MAIN AUTHOR

23. PRELIMINARY RESEARCH TOWARDS THE HALAL KNOWLEDGE AND ITS CORRELATION WITH HALAL AWARENESS AND APPLICATION OF HALAL TRACEABILITY AMONG MUSLIMS

THE 2ND INTERNATIONAL SEMINAR ON HALALNESS AND SAFETY OF FOOD AND PHARMACEUTICAL PRODUCTS UNIVERSITAS GADJAH MADA,YOGYAKARTA, INDONESIA

2012 PROCEEDING NON-INDEX MAIN AUTHOR

24. REAL-TIME PCR EVALUATION OF DNA EXTRACTION BY USING EPICENTRE AND DETECTION BY USING TAQMAN METHOD FOR THE PURPOSE ON HALAL ANALYSIS IN HEALTH PRODUCT SAMPLES

THE 2ND INTERNATIONAL SEMINAR ON HALALNESS AND SAFETY OF FOOD AND PHARMACEUTICAL PRODUCTS UNIVERSITAS GADJAH MADA.

2012 PROCEEDING NON-INDEX MAIN AUTHOR

25. SETTING UP A HALAL ANALYSIS LABORATORY, SYARIAH SERVICES AND TRAININGS FROM USIM''S EXPERIENCES : PP 52-59.

INTERNATIONAL CONFERENCE ON HALAL SCIENCE & TECHNOLOGY,DENPASAR, BALI, INDONESIA

2012 PROCEEDING NON-INDEX MAIN AUTHOR

26. THE HALAL TRACEABILITY SYSTEM OF A BAKERY AND CONFECTIONARY MANUFACTURER PP.94-99

INTERNATIONAL CONFERENCE ON HALAL SCIENCE & TECHNOLOGY,DENPASAR, BALI, INDONESIA

2012 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. PROTOCOL FOR SAMPLING AND METHOD OF ANALYSIS FOR MALAYSIAN FOOD COMPOSITION DATABASE

2011 POLICY

28. PEMAKANAN ISLAM PENJANA KANAK-KANAK PINTAR

2010 BOOK MAIN AUTHOR

29. NUTRITIONAL QUALITY OF PALM FAT SUBSTITUTED CHICKEN NUGGETS

NUTRITION AND FOOD SCIENCE

2009 JOURNAL WOS MAIN AUTHOR

30. UTILIZATION OF SELECTED MALAYSIAN AGRICULTURE FOOD BY-PRODUCT IN PROCESSED MEATS.

NATIONAL RESEARCH INVENTION COMPETITION

2008 PROCEEDING NON-INDEX MAIN AUTHOR

31. EFFECT OF RICE BRAN AND CELLULOSE ADDITION ON THE PHYSICAL QUALITY AND SENSORY ACCEPTABILITY OF CHICKEN SAUSAGE

2ND INTERNATIONAL CONFERENCE ON EAST-WEST PERSPECTIVES ON FUNCTIONAL FOODS: SCIENCE, INNOVATIONS AND CLAIMS

2007 PROCEEDING NON-INDEX MAIN AUTHOR

32. UTILIZATION OF RED PALM MID FRACTION AND RED PALM STEARIN IN CHICKEN SAUSAGE

2ND INTERNATIONAL CONFERENCE ON EAST-WEST PERSPECTIVES ON FUNCTIONAL FOODS: SCIENCE, INNOVATIONS AND CLAIMS

2007 PROCEEDING NON-INDEX MAIN AUTHOR

33. SUBSTITUTION OF ANIMAL FAT WITH RED PALM FAT IN BEEF PEPPERONI

2ND INTERNATIONAL CONFERENCE ON EAST WEST PERSPECTIVES ON FUNCTIONAL FOODS: SCIENCE, INNOVATIONS AND CLAIMS

2007 PROCEEDING NON-INDEX MAIN AUTHOR

34. KEHIDUPAN BERKUALITI BERASASKAN KEBERSIHAN DAN MAKANAN.

ISLAM HADHARI DAN KEHIDUPAN

2006 CHAPTER IN BOOK MAIN AUTHOR

35. EFFECT OF OZONE TREATMENT ON FATTY ACIDS PROFILE, OXIDATIVE LEVEL AND INSTRUMENTAL COLOUR IN CHICKEN BOLOGNA

INTERNATIONAL SCIENCE CONGRESS

2005 PROCEEDING NON-INDEX MAIN AUTHOR

36. OFF-FLAVOUR COMPONENTS, OXIDATIVE QUALITY AND SENSORY ACCEPTANCE OF OZONE TREATED CHICKEN BOLOGNA

INTERNATIONAL SCIENCE CONGRESS

2005 PROCEEDING NON-INDEX MAIN AUTHOR

37. INNOVATIVE USE OF PALM STEARIN BY-PRODUCTS IMPROVE OXIDATIVE QUALITY OF PROCESSED MEATS

GRADUATE PAPER COMPETITION. MALAYSIAN INSTITUTE OF FOOD TECHNOLOGIST.

2003 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

38. KESAN SIMPANAN SEJUKBEKU TERHADAP KESTABILAN OKSIDATIF SOSEJ AYAM DANM YANG MENGGUNAKAN LELEMAK SAWIT

KOLOKIUM SISWAZAH KE-3

2003 PROCEEDING NON-INDEX MAIN AUTHOR

39. PALM FATS IMPROVE THE NUTRITIONAL, SENSORY AND FUNCTIONAL PROPERTIES OF PROCESSED MEATS.

ASEAN FOOD CONFERENCE

2003 PROCEEDING NON-INDEX MAIN AUTHOR

40. SIFAT FIZIKAL LEMAK DAN PENERIMAAN PENGGUNA TERHADAP PRODUK DAGING AYAM TERPROSES YANG MENGGUNAKAN LEMAK SAWIT

KOLOKIUM SISWAZAH PERTAMA

2002 PROCEEDING NON-INDEX MAIN AUTHOR

41. KESTABILAN OKSIDATIF SOSEJ AYAM DANM YANG MENGGUNAKAN LEMAK SAWIT.

KOLOKIUM SISWAZAH KE-2

2002 PROCEEDING NON-INDEX MAIN AUTHOR

42. SOME PHYSICO-CHEMICAL PROPERTIES OF PALM FATS AND ITS EFFECTS ON THE QUALITY AND SENSORY ATTRIBUTES OF CHICKEN NUGGETS

OILS AND FATS INTERNATIONAL CONGRESS

2000 PROCEEDING NON-INDEX MAIN AUTHOR

43. NUTRITIONAL COMPOSITION AND TEXTURAL PROPERTIES OF PALM FAT SUBSTITUTED CHICKEN NUGGETS

OILS AND FATS INTERNATIONAL CONGRESS

2000 PROCEEDING NON-INDEX MAIN AUTHOR

44. EFFECTS OF SUBSTITUTION OF CAROTINO ON THE PHYSICO-CHEMICAL CHARACTERISTICS OF CHICKEN FRANKFURTER

7TH ASEAN FOOD CONFERENCE

2000 PROCEEDING NON-INDEX MAIN AUTHOR

45. PERUBAHAN FIZIKAL NUGET AYAM AKIBAT GANTIAN LEMAK HAIWAN DENGAN LEMAK KELAPA SAWIT.

SEMINAR ITB-UKM

2000 PROCEEDING NON-INDEX MAIN AUTHOR

46. UTILIZATION OF MECHANICALLY DEBONED CHICKEN MEAT IN A SAVOURY BISCUIT.

IMT-GT REGIONAL SEMINAR ON INDUSTRIAL TRANSFORMATION THROUGH INNOVATIVE UTILIZATION OF NATURAL RESOURCES

1999 PROCEEDING NON-INDEX MAIN AUTHOR

47. EFFECT OF VEGETABLE FAT SUBSTITUTION ON THE QUALITY OF MEAT PRODUCTS.

ASIAN FOOD TECHNOLOGY SEMINAR 97

1997 PROCEEDING NON-INDEX MAIN AUTHOR

48. EFFECT OF VEGETABLE FAT SUBSTITUTION ON THE QUALITY OF MEAT PRODUCTS

CONGRESS OF POSTGRADUATE RESEARCH

1997 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

1. DEVELOPING HALAL INDUSTRY IN ASEAN

UNIVERSITAS INDONESIA THE INDONESIAN MINISTRY OF HIGHER EDUCATION UNDER THE SCHEME OF PENELITIAN DASAR UNGGULAN PERGURUAN TINGGI

2019 INTERNATIONAL

2. HALAL FOUNDATION TRAINING ZHENGZHOU CHINA

LONGMAI (HK) GLOBAL HALAL RESOURCE CENTRE AND ARA HALAL CERTIFICATION SERVICES CENTER

2018 INTERNATIONAL

3. INTERNATIONAL HALAL CONSULTATION FOR SEJONG HALAL AUTHORITY

SEJONG HALAL AUTHORITY, SEOUL KOREA

2018 INTERNATIONAL

4. 1.CURRENT ISSUES OF FOOD ADULTERANTS/ CONTAMINANTS 2. FOOD ADDITIVES

IHRAM

2017 UNIVERSITY

5. VISIT OF 4 ORGANIZATIONS FROM GANGSU PROVINCE TO USIM

NORTWEST MINZY NATIONALITIES UNIVERSITY

2017 INTERNATIONAL

AWARDS/RECOGNITION

1. PASSED EXAM FOR OIC/SMIIC 9:2019 HALAL TOURISM SERVICES FOUNDATION TRAINING (FOR WOMEN EXPERTS IN ACCORDANCE WITH SMIIC STRATEIC PLAN 2021-2030 DECLARATION ON GENDER RESPONSIVE STANDARDS INITIATIVES BY UNECE

2024 INTERNATIONAL

2. ACADEMIC ADVISOR

MQA

2024 NATIONAL

3. ACADEMIC ADVISOR

MQA

2024 NATIONAL

4. THE GUILT-FREE BROWNIES WITH HEALTHY FAT SUBSTITUTE

SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)

2023 UNIVERSITI SILVER

5. SIJIL PENGHARGAAN ANUGERAH PENYELIDIKAN TERBAIK (SAINS, TEKNOLOGI DAN PERUBATAN)

2021 UNIVERSITY