

## CURRICULUM VITAE

### Dr. Napisah Binti Hussin

#### Senior Lecturer

Fakulti Sains Kesihatan, Kampus Gong Badak, Universiti Sultan Zainal Abidin, Terengganu Darul Iman.

### Personal Information

**Email :** napisah@unisza.edu.my  
**Gender :** Female  
**D.O.B :** 23 March 1980  
**Age :** 41  
**Race :** Malay  
**Religion :** Islam  
**Current Scheme:** DS52  
**Started in UniSZA:** 29 October 2007  
**Qualification :** Ph.D ( Bioteknologi Makanan ), *Universiti Sains Malaysia*, 2019.  
Sarjana Sains Pemakanan, *Universiti Kebangsaan Malaysia, Bangi*, 2007.  
Ijazah Sarjana Muda Sains Pemakanan, *Universiti Putra Malaysia*, 2003.  
**H-Index :** [Scopus: 0][Google Scholar: 0]

### Area of Research

Food Microbiology, Food Analysis, Food Safety, Fermentation Technology, Food Nutraceuticals

### Work Experience

Research Assistant at UPM (2002-2003)  
Research Assistant at KUSTEM (2003-2004)  
Food Technologist at Ministry of Health (2004-2006)

### Administrative Responsibility

1. Timbalan Dekan (hal Ehwal Pelajar & Alumni), Fakulti Sains Kesihatan, 01 Aug 2020 - 31 Jul 2022.

## Teaching

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1. NDN40509 - Industrial Training I, SEM II 2019/2020,
2. NDN40202 - Seminar in Nutrition, SEM I 2019/2020,
3. NDD10302 - Introduction to Food Science, SEM I 2018/2019,
4. NDD21402 - Food Quality Control and Assurance, SEM I 2018/2019,
5. NDD21003 - Basic Counseling, SEM II 2016/2017,
6. NDD21102 - Food Microbiology and Safety, SEM II 2016/2017,
7. HFE3042 - Halal and Haram in Foods, SEM I 2016/2017,
8. NDD20602 - Halal and Haram in Foods, SEM I 2016/2017,
9. HFS3492 - Food Microbiology and Safety, SEM II 2015/2016,
10. NDD10803 - Food Analysis, SEM II 2015/2016,
11. HFS3183 - Developmental Psychology, SEM I 2015/2016,
12. HFS4352 - Advanced Nutrition, SEM I 2015/2016,
13. HFS4416 - Research Project, SEM I 2015/2016,
14. HFS4383 - Nutrition Counseling & Behavioral Science, SEM II 2014/2015,

## Training

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1. Bengkel Ke Arah Memenuhi Keperluan Jaminan Kualiti Dalam Penghasilan Produk Makanan Melalui Ujian Mikrobiologi Yang Berkesan, 14 Mar 2018 - 14 Mar 2018, Pusat Pengajian Sains dan Teknologi Makanan, UMT

## Publication

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### ***Journal Article***

1. Association Between Sugar-Sweetened Beverage Consumption and Body Mass Index Among University Students in Kuala Nerus, Terengganu, Malaysia (2020), Malaysian Journal of Public Health Medicine, pp. 19-26, ISSN: 1675-0306 [*Indexed by: Scopus - Main Author*]
2. Effect of Processing Conditions on Production of Resistant Starch Type III (rs3) from Breadfruit Starch (2020), Journal of Agrobiotechnology, pp. 48-58, ISSN: 2180-1983 [*Indexed by: Other Index - Co-author*]
3. Dietary Fiber and Functional Properties in Peel and Seed of Cucumis Melo L. Flour: a Review (2020), Bioscience Research, pp. 161-167, ISSN: 1811-9506 [*Indexed by: ISI - Co-author*]
4. Physicochemical Composition, Microbiological Quality and Consumers' Acceptability of Raw and Pasteurized Locally Produced Goat Milk (2020), Malaysian Journal of Fundamental and Applied Sciences, pp. 475-482, ISSN: 2289-5981 [*Indexed by: ISI - Co-author*]
5. Microbiological Quality Evaluation of Goat Milk Supplemented with Different Napier Treatments (2020), Bioscience Research, pp. 1599-1609, ISSN: 2218-3973 [*Indexed by: ISI - Co-author*]

6. Granules Morphology, Crystalline Structures and Thermal Properties of Malaysian Breadfruit (*artocarpus Altilis*) Flour and Commercial Wheat Flour (2020), Bioscience Research, pp. 81-89, ISSN: 1811-9506 [*Indexed by: ISI - Co-author*]
7. Chemical Properties of Fresh and Roasted Sacha Inchi Kernel Oil Extracted by Cold Pressing Method (2020), Bioscience Research, pp. 152-160, ISSN: 1811-9506 [*Indexed by: ISI - Co-author*]
8. Glycaemic Index, Palatability, Acceptability and Perceived Satiety of Cookies Prepared with Durian (*durio Zibethinus* Murr.) and  $\beta$ -Glucan (2019), Malaysian Applied Biology, pp. 89-99, ISSN: 01268643 [*Indexed by: Scopus - Co-author*]
9. Physicochemical and Functional Properties of Breadfruit Flour, Commercial Wheat Flour and Starches (2019), Bioscience Research, pp. 203-212, ISSN: 1811-9506 [*Indexed by: ISI - Co-author*]
10. The Growth Profile of *Lactobacillus Plantarum*, *Bifidobacterium Bifidum* and *Escherichia Coli* During In-Vitro Fermentation of Breadfruit Resistant Starch (2019), Bioscience Research, pp. 265-275, ISSN: 1811-9506 [*Indexed by: ISI - Co-author*]
11. Development and Physicochemical Properties of Breadfruit (*artocarpus Altilis*) Resistant Starch Bread (2018), Journal of Agrobiotechnology, pp. 182-193, ISSN: 1985-5133 [*Indexed by: Other Index - Co-author*]
12. Prebiotic Activity Score of Breadfruit Resistant Starch (*artocarpus Altilis*), Breadfruit Flour, and Inulin During In-Vitro Fermentation by Pure Cultures (*Lactobacillus Plantarum*, and *Bifidobacterium Bifidum*) (2018), 1985-5133, pp. 122-131, ISSN: 1985-5133 [*Indexed by: Other Index - Co-author*]
13. The Association Between The Use of Complementary and Alternative Medicine (cam) with Health-Related Quality of Life (hrqol) and Anthropometric Indices Among University's Staff (2017), Malaysian Journal of Public Health Medicine, pp. 74-81, ISSN: 16750306 [*Indexed by: Scopus - Co-author*]
14. Screening of Bismillah Leaf (*vernonia Amygdalina*) Extraction for Antiproliferative Activities in Human Glioblastoma Brain Cancer Cell Lines (2016), Research Journal of Pharmaceutical, Biological and Chemical Sciences, pp. 1084-1089, ISSN: 09758585 [P] [*Indexed by: Scopus - Co-author*]
15. Characteristics of Metroxylon Sagu Resistant Starch Type III as Prebiotic Substance (2015), Journal of Food Science, pp. 875-882, ISSN: 00221147 [*Indexed by: ISIQ2 - Co-author*]

## Chapter in Book

1. Chapter 3: 3.2 Physicochemical Properties of Cookies Incorporated with Breadfruit (*artocarpus Altilis*) Flour, Emerging Themes in Fundamental & Applied Science (chemistry) (2017), Penerbit UPM, Universiti Putra Malaysia, pp. 48-55, ISBN: ISBN 978-967-334-778-7 - **Co-author**
2. Chapter 3: 3.3 Nutritional Value and Physicochemical of Yogurt Containing Breadfruit Resistant Starch, Emerging Themes in Fundamental & Applied Science (chemistry) (2017), Penerbit UPM, Universiti Putra Malaysia, pp. 56-63, ISBN: ISBN 978-967-334-778-7 - **Co-author**

## Conference Proceedings

1. Pembelian Makanan Dalam Talian: Isu dan Cabaran Terhadap Keselamatan Makanan Sepanjang Pandemik Covid-19 (2020), Webinar Serantau Pandemik Covid-19, Webex Online - **Co-author**

2. Fermentation of Dioscorea Hispida Oligosaccharides by Lactic Acid Bacteria and Bifidobacterium (2020), The 3rd Bioprocessing and Manufacturing Symposium (bbs2019), Swiss Garden Beach Resort, Perak, Malaysia - **Main Author**
3. Nutritional Values of Fresh and Roasted Sacha Inchi Kernel and Its Cake (2019), Malaysia International Biology Symposium, I-Simbiomas 2019, Colmar Tropicale, Bukit Tinggi - **Co-author**
4. Sensory Evaluation, Physicochemical Analysis, and Glycaemic Index of Sweet Potato (ipomoea Batatas) Flour Compositated Doughnuts (2019), International Conference of Food Science and Nutrition (icfsn 2019), Msu, Shah Alam - **Main Author**
5. Sensory Evaluation, Physicochemical Properties and Expected Glycaemic Index of Muffin Incorporated with Wheat Flour and Pumpkin (cucurbita Moschata) Flour. (2019), International Conference on Food Science and Nutrition (icfsn 2019), Msu, Shah Alam, Malaysia - **Main Author**
6. Nutritional Value and Physicochemical Characteristics of Yogurt Containing Breadfruit Resistant Starch (2017), Fundamental Science Congress, The Office of The Deputy Dean Vice Chancellor (research & Innovation), - **Co-author**
7. Physicochemical Properties of Cookies Incorporated with Breadfruit (artocarpus Altilis) Flour (2017), Fundamental Science Congress 2017, Universiti Putra Malaysia - **Co-author**

## Research Grant

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### **Principal Investigator**

1. Value-Adding of Goat's Feeding to Increase Quantity and Quality of Goat's Milk, Geran Agensi Luar, Government (2018), **Grant Value: RM174,575**
2. Production and Evaluation of Resistant Starch from The Breadfruit(artocarpus Altilis)., Dana Pembudayaan Penyelidikan - Rags, Government (2015), **Grant Value: RM50,000**

### **Co-Researcher**

1. Research and Development of Functional Carbonated Beverage, Geran Dalaman Universiti, University (2021), Grant Value: **RM17,200**
2. Functional Properties and Characterization of Starch from Immature Rock Melon, Skim Geran Penyelidikan Fundamental - Frgs, Government (2018), Grant Value: **RM93,000**
3. Extraction, Characterization and Microencapsulation of Sacha Inchi (plukenetia Volubilis L.) Kernel Oil, Skim Geran Penyelidikan Fundamental - Frgs, Government (2018), Grant Value: **RM79,900**
4. Inhibition of Cancer Cell Proliferation by \"singgang\" Paste Extracts, Geran Dalaman Universiti, University (2018), Grant Value: **RM60,000**
5. A Continue Study: The Effect of Green Banana Flour Incorporated Snack Bar on Nutrient Content, Glycemic Index and Consumers Acceptability, Geran Dalaman Universiti, University (2018), Grant Value: **RM20,000**
6. Propiogenic Effects of Functional Breads Prepared with Underutilised Durian (durio Zibethinus Murr.) and Beta Glucan on Glucose, Insulin, C-Peptide and Appetite Regulations, Skim Geran Penyelidikan Fundamental - Frgs, Government (2017), Grant Value: **RM140,000**

7. Immunomodulation of Recombinant M. Smegmatis Expressing Antigen 85b Epitopes in Thp-1 Human Macrophage Cell Lines, Geran Dalaman Universiti, University (2016), Grant Value: **RM22,000**
8. Screening of Bismillah Leaf Extraction Towards Antiproliferative Activities in Human Glioblastoma Brain Cancer Cells Line, U-87, Geran Agensi Luar, Government (2015), Grant Value: **RM25,000**

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## Postgraduate Student

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### Co Supervision

1. [MASTER] Siti Nuriah Binti Mohd Noor, Malaysia, - **Ongoing**
2. [MASTER] Farah Syimira Binti Rasdi, Malaysia, - **Ongoing**
3. [MASTER] Mangalagowri A/p Sangar, Malaysia, - **Ongoing**
4. [MASTER] Nur Atirah Binti A Aziz, Malaysia, - **Ongoing**

### Awards

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1. Gold Medal Itex 2020 (2020), Rostev-Roll Ups, Itex 2020 - **Leader**
2. Gold Medal Mpi 2020 (2020), Rostev Roll Ups, Minggu Penyelidikan dan Inovasi (mpi) 2020 - **Leader**
3. Silver Medal Mpi 2020 (2020), Murrfin, Minggu Penyelidikan dan Inovasi 2020 - **Member**
4. Silver Medal Mpi 2019 (2019), Donut Oat, Minggu Penyelidikan & Inovasi 2019 - **Member**
5. Silver Medal Mpi 2019 (2019), Gogolicious, Mpi 2019 - **Member**
6. Bronze Medal Mpi 2019 (2019), Dioscorea Hispida Oligosaccharides (dhos), Mpi 2019 - **Leader**
7. Silver Medal Mpi 2019 (2019), Pre-Lekor (prebiotic Fisch Crackers), Minggu Penyelidikan & Inovasi 2019 - **Leader**
8. Gold Medal Pecipta 2019 (2019), Superb Dairy Fertilizer (sdf), Pecipta 2019 - **Member**
9. Gold Medal Itex 2019 (2019), Superb Dairy Fertilizer (sdf), Itex 2019 - **Member**
10. Silver Achievement for Innovation/product Ria 2018 (2018), Sukun Resistant Starch, Anugerah Penyelidikan dan Inovasi (ria) 2018, Unisza - **Leader**
11. Gold Achievement for Innovation/ Product Ria 2018 (2018), Sukun Resistant Starch, Anugerah Penyelidikan dan Inovasi (ria) 2018 Unisza - **Leader**
12. Gold Medal Mpi 2018 (2018), Brs Bread, Mpi 2018 - **Member**
13. Anugerah Bab Dalam Buku Penyelidikan Ria 2018 (2018), Nutritional Value and Physicochemical of Yogurt Containing Breadfruit Resistant Starch & Physicochemical Properties of Cookies Incorporated with Breadfruit Flour, Anugerah Penyelidikan dan Inovasi (ria 2018), Unisza - **Member**
14. Bronze Medal Itex 2018 (2018), Brs Bread, Itex 2018 - **Member**
15. Silver Medal Siif 2017 (2017), Breadfruit Resistant Starch (brs): Potential Dietary Fiber Functional Food Ingredient, Seoul International Invention Fair (siif) 2017 - **Leader**

16. Gold Medal Pecipta 2017 (2017), Sukun Resistant Starch, Pecipta 2017 - **Leader**

## Intellectual Property

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1. Brs Bread (2018), Copyright - **Co-owner**
2. Sukun Resistant Starch (2017), Copyright - **Owner**

## Professional Membership

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1. Member, Professional Members - Malaysian Institute of Food Technology (mift), 2019-2019

## Academic Ecosystem

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1. Judge/jury/evaluator, Juri Minggu Penyelidikan & Inovasi 2020, 2020-2020
2. Reviewer, Reviewer - British Food Journal, 2020-2020
3. Participant, Peserta Program Kempen Bersih Pantai Peringkat Daerah Kuala Nerus, 2020-2020
4. Committee, Penyelaras Jawatankuasa Induk Program Jalinan Sinergi Prihatin Unisza Sekelab, 2020-2020
5. Committee, Ahli Jawatankuasa Bersama Program '\jom Berhenti Merokok dan Vape', 2019-2019
6. Reviewer, Reviewer - Journal of Solid State Science & Technology, Ukm, 2019-2019
7. Consultancy/perundingan, Pembentang Pemantauan Laporan Prestasi dan Kewangan Program Penyelidikan Strategik Translational Research Kpm, 2018-2018
8. Committee, Ajk Fsk Run 2018, 2018-2018
9. Leader/chairman, Pengurus Pasukan Sukan Peringkat Kebangsaan (nabsse) 2016 Fakulti Sains Kesihatan, 2016-2016
10. Committee, Ahli Jawatankuasa Pelaksana Program National Allied Health Sciences Students Sports Event, 2016-2016
11. Committee, Ahli Jawatankuasa Pemeriksaan Kesihatan Sempena Program Ilmuwan Majlis Profesor Negara Bersama Masyarakat Terengganu, 2016-2016
12. Committee, Sekretariat, 2016-2016