PROFILE		
1	**NAME**	ROZAINI BINTI MOHD ZOHDI
2	**ACADEMIC POSITION**	SENIOR LECTURER
3	**STATUS OF APPOINTMENT**	PERMANENT
4	**CITIZENSHIP**	MALAYSIAN
5	**EDUCATION**	▪ PhD (Anatomy), UPM, 2010 ▪ Master of Science (Histology), UPM, 2005 ▪ Bachelor of Science (Biomedical Sciences), UPM, 2001
6	**WORKING EXPERIENCE**	▪ Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, Selangor 2010 – Present ▪ Research Officer (Q41) Malaysian Nuclear Agency, Dengkil, Selangor 2004 –2006
7	**CURRENT ACADEMIC RESPONSIBILITIES**	▪ PHC411: Human Anatomy and Physiology (Lecture, Tutorial & Practical) ▪ PHC515: Principles of Pathology (Lecture & Tutorial) ▪ PHC473: Endocrine, Reproductive System & Pharmacotherapeutics (Lecture & Tutorial) ▪ PHC525: Autocoids, Anti-inflammatory Agents, GI System & Pharmacotherapeutics (Lecture & Tutorial) ▪ PHC610: Research I (Research Proposal) ▪ PHC632: Research II (Research Project) ▪ PHC650: Drugs in Sports (Tutorial) ▪ PHC667: Introduction to Veterinary Pharmacy (Tutorial) ▪ SCE513: Science Laboratory Safety (Lecture & Tutorial) ▪ ENT530: Principles of Entrepreneurship (Lecture & Tutorial)
8	**RESEARCH INTERESTS/ PROJECTS**	▪ Natural products discovery ▪ Wound healing and diabetic wounds ▪ Alternative treatment for malaria ▪ Diabetes mellitus

9	**PUBLICATIONS**	**Journals:** 1. Lini Idris, Muhammad Amirul Adli, Nurul Najihah Yaacop, **Rozaini Mohd Zohdi**, 2023. Phytochemical Screening and Antioxidant Activities of Geniotrigona thoracica Propolis Extracts Derived from Different Locations in Malaysia. Malaysian Journal of Fundamental and Applied Sciences. (Accepted for publication) (Q4/Corresponding Author) 2. **Rozaini Mohd Zohdi,** Fatin Amelina Kaharudin, Shahida Muhamad Mukhtar, Hasidah Mohd Sidek, Nor Hadiani Ismail. 2023. Antimalarial and HepatoprotectiveEffects of methanol Extract of Goniothalamus lanceolatus Miq. Root in Plasmodium berghei-infected Mice. Malaysian Journal of Medicine and Health Sciences 19(7): 65-66. (Q4/Corresponding Author) 3. **Rozaini Mohd Zohdi**, Muhammad Amirul Adli, Hannis Fadzillah Mohsin, Shahida Muhamad Mukhtar, Anis Low Muhammad Low, Awang hazmi Awang Junaidi, Dzu Hendra Ja Jahrudin. 2023. GC-MS Analysis and Antibacterial Activity of Ethanolic and Water Extracts of Malaysian Heterotrigona itama Propolis Against Selected Human Pathogenic Bacteria. Malaysian Applied Biology 52(2): 77-84. (Q4/Corresponding Author) 4. Muhammad Amirul Adli, **Rozaini Mohd Zohdi**, Nurul 'Aqilah Othman, Nur Suhaili Mohamed Amin, Shahida Muhamad Mukhtar, Zolkapli Eshak, Izfa Riza Hazmi, Dzu Hendra Ja Jahrudin. 2022. Determination of antioxidant activity, total phenolic and flavonoid contentns of Malaysian stingless bee propolis extracts. Journal of Sustainability Science and Management 17(12): 132-143 (Q3/Corresponding Author) 5. **Rozaini Mohd Zohdi,** Shahida Muhamad Mukhtar, Fatin Amelina Kaharudin, Khuriah Abdul hamid, Hasidah Mohd Sidek, Fatma Sri Wahyuni, Nor Hadiani Ismail. 2022. Acute oral toxicity study of root methanol extract of Goniothalamus lanceolatus miq. and its isolated bioactive compound (Parvistone d) in murine model. Malaysian Applied Biology 51(2): 77-86. (Q4/Corresponding Author) 6. **Rozaini Mohd Zohdi,** Fatin Amelina Kaharudin, Shahida Muhamad Mukhtar, Hasidah Mohd Sidek, Nor Hadiani Ismail. 2022. Dichloromethane stem bark extract of Goniothalamus lanceolatus Miq. modulates inflammatory cytokines and ameliorates tissue damage in Plasmodium berghei-infected mice. Journal of Applied Pharmaceutical Science 12(5): 149-155. (Q2/Corresponding Author)

		7. Fatin Amelina Kaharudin, **Rozaini Mohd Zohdi**, Shahida Muhamad Mukhtar, Hasidah Mohd Sidek, Nur Vicky Bihud, Nurulfazlina Edayah Rasol, Fasihuddin Badruddin Ahmad, Nor Hadiani Ismail. 2020. Journal of Ethnopharmacology 254: 112657. (Q1/Corresponding Author) 8. Halimatul Saadiah Mohammad Noor, Nor Hadiani Ismail, Noraini Kasim, Ahmed Mediani, **Rozaini Mohd Zohdi**, Abdul Manaf Ali, Nashriyah Mat, Nabil Ali Al-Mekhlafi. 2020. Urinary Metabolomics and Biochemical Analysis of Antihyperglycemic Effect of Ficus deltoidea Jack Varieties in Streptozotocin-Nicotinamide–Induced Diabetic Rats. Applied Biochemistry and Biotechnology 192(1): 1-21. (Q2/Co-author) 9. Che Puteh Osman, Zuriati Zahari, Mohd Ilham Adenan, **Rozaini Mohd Zohdi**. 2019. A review on traditional uses, phytochemistry, and pharmacology of the genus Rourea. Journal of Applied Pharmaceutical Science 9(9): 125-131. (Q2/Co-author) 10. Nur Salme Suhana Shamshuddin, **Rozaini Mohd Zohdi.** 2018. Gelam honey attenuates ovalbumin-induced airway inflammation in a mice model of allergic asthma. Journal of Traditional and Complementary Medicine 8(1): 39-45. (Q1/Corresponding Author) 11. **Rozaini Mohd Zohdi**, Shahida Muhamad Mukhtar, Nur Vicky Bihud, Nurulfazlina Edayah Rasol, Fasihuddin Badruddin Ahmad, Khalijah Awang, Nor Hadiani Ismail. 2017. In vivo antiplasmodial and toxicological effects of Goniothalamus lanceolatus crude extracts. Natural Product Communications 12 (8), 1251-1254. (Q3/Corresponding Author) 12. Halimatul Saadiah Mohammad Noor, Nor Hadiani Ismail, Noraini Kasim, **Rozaini Mohd Zohdi**, Abd Manaf Ali. 2016. Hypoglycemic and glucose tolerance activity of standardized extracts Ficus deltoidea varieties in normal rats. Journal of Medicinal Plants Studies 4: 275-279. 13. Siti Aisyah Sayadi, **Rozaini Mohd Zohdi**, Nur Salme Suhana Shamshuddin, Muna Syairah Khairy, Nur Ashikin Hasan, Ahmad Syamil Yasin, Kalavathy Ramasamy. 2015. Antifungal activity of selected Malaysian honeys: a comparison with Manuka honey. Journal of Coastal Life Medicine 3: 539-542. 14. Khuriah Abdul Hamid, A.F. Mohd, **Rozaini Mohd Zohdi**, Zolkapli Eshak and R. Omar. 2015 Pollen Analysis of Selected Malaysian Honey. Academic Journal of Entomology, 8 (2): 99-103.

		15. **Rozaini Mohd Zohdi**, Zuki Abu Bakar Zakaria, Norimah Yusof, Noordin Mohamed Mustapha, Muhammad Nazrul Hakim Abdullah. 2012. Gelam (Melaleuca spp.) honey-based hydrogel as burn wound dressing. Evidence-Based Complementary and Alternative Medicine. (doi: 10.1155/2012/843025). (Q1/First Author) 16. **Rozaini Mohd Zohdi**, Zuki Abu Bakar, Noordin Mohamed, Norimah Yusof, Muhammad Nazrul Hakim Somchit, Asnah Hasan. 2012. Honey Hydrogel Dressing to Treat Burn Wound in Rats-A Preliminary Report. Pertanika Journal of Tropical Agricultural Science 35(1): 67-74. (Q3/First Author) 17. **Rozaini Mohd Zohdi**, Zuki Abu Bakar Zakaria, Norimah Yusof, Noordin Mohamed Mustapha, Muhammad Nazrul Hakim Abdullah. 2011. Sea cucumber (Stichopus hermanii) based hydrogel to treat burn wounds in rats. Journal of Biomedical Materials Research Part B: Applied Biomaterials. (Q2/First Author) 18. Norimah Yusof, Ainul Hafiza Abdul Hair, **Rozaini Mohd Zohdi**, Md Zuki A Bakar. Development of honey hydrogel dressing for enhanced wound healing. Radiation Physics and Chemistry 76: 1767-1770. (Q2/Co-Author) 19. **Rozaini Mohd Zohdi**, Zuki Abu Bakar Zakaria, Norimah Yusof, Noordin Mohamed Mustapha, Muhammad Nazrul Hakim Abdullah. 2005. Macroscopic Evaluation of Burn Wound Healing Progress Treated with Different Types of Honey. Pakistan Journal of Biological Sciences Volume 8, Number 5:672 - 678. (Q3/First Author) 20. **Rozaini Mohd Zohdi**, Zuki Abu Bakar Zakaria, Norimah Yusof, Noordin Mohamed Mustapha, Muhammad Nazrul Hakim Abdullah. 2004. The Effects of Different Types of Honey on Tensile Strength Evaluation of Burn Wound Tissue Healing. *International* Journal of Applied Research in Veterinary Medicine Volume 2, Number 4:290 – 296. 21. **Rozaini Mohd Zohdi**, Zuki Abu Bakar Zakaria, Norimah Yusof, Noordin Mohamed Mustapha, Muhammad Nazrul Hakim Abdullah. 2004. The Effect of Topical Application of Malaysian Honey on Burn Wound Healing. Jurnal Veterinar Malaysia 16(1&2):47-50

		Conference Papers: 1. Kaharudin FA, **Zohdi RM**, Mukhtar SM, Sidek HM, Rasol NE, Ahmad FB, Ismail NH. In vitro antiplasmodial and cytotoxic properties of Goniothalamus lanceolatus crude extracts. International Conference on Natural Products 2019, 26-28 March 2019, Hilton Kuching, Sarawak. 2. **Zohdi RM**, Kaharudin FA, Mukhtar SM, Bihud NV, Rasol NE, Ahmad FB, Ismail NH. Ameliorative effect of Goniothalamus lanceolatus stem bark extracts against Plasmodium berghei-induced tissue injury in mice: A histopathological study. International Conference on Natural Products 2018, 19-21 March 2018, Bayview Beach Resort, Penang. 3. **Zohdi RM**, Samedrik FS, Mukhtar SM, Ali AA. Biochemical study of diabetic wounds treated with Malaysian gelam honey. 5th International Postgraduate Conference on Pharmaceutical Sciences (IPoPS) 2017, 15-18th May 2017, UiTM Puncak Alam. 4. Shamshuddin NSS, **Zohdi RM**. Malaysian Honeys Suppress Ovalbumin-Induced Airway Inflammation in A Mouse Allergic Asthma Model. International Conference on Natural Products 2017. 15-16th March 2017, Swiss-Garden Beach Resort Damai Laut. 5. Ali AA, **Zohdi RM**, Wahab MSA, Ismail IT, Tajuddin NZ. Topical treatment evaluation of diabetic rats skin wounded with Hibiscus Rosa-Sinensis leaves aqueous-methanolic extract. 1st-3rd Feb 2016. The Barkeley Hotel, Bangkok, Thailand. 6. **Zohdi RM**, Ismail NH, Mukhtar SM, Bihud NV. In vivo antiplasmodial and toxicological effects of Goniothalamus lanceolatus crude extracts. 1st-4th Sept 2016. Tokushima Bunri University. 7. **Zohdi RM**, Ali AA, Mukhtar SM, Said S, Azmi NAM. Gelam Honey accelerates better wound healing in streptozotocin-induced diabetic rats compared to silver sulfadiazine. 23rd-25th Nov 2015. Grand Bluewave Hotel, Shah Alam. 8. Ali AA, **Zohdi RM**, Wahab MSA. Tensile strength and collagen content evaluation of wounded skin of diabetic rats following topical treatment with Hibiscus Rosa-Sinensis leaves aqueous-methanolic extract. 12th-13th Nov 2015. Hotel Ramada Plaza, Melaka. 9. **Zohdi RM**, Shamshuddin NSS. Tualang honey mitigates ovalbumin-induced airway inflammation in a mice allergic asthma model. 4th International Conference on Pharmaceuticals, Nutraceuticals and

		Cosmetic Science (IPNaCS). 12th-13th Nov 2015. Ramada Plaza, Melaka. 10. **Zohdi RM**, Ali AA, Wahab MSA. Histological study of wounded skin of diabetic rats treated with topical aqueous methanol extract of Hibiscus rosa sinensis leaves. 12th-13th Nov 2015. Hotel Ramada Plaza, Melaka. 11. **Zohdi RM**, Ismail NH, Mukhtar SM, Bihud N, Ahmad FB. In Vivo Screening of Goniothalamus lanceolatus Methanol Extracts for Antimalarial Activities. 24th-25th March 2015. Double Treeby Hilton Johor Bahru.
10	**RESEARCH GRANTS**	**<u>Active research activities:</u>** 1. Anti-Obesity Activities of Sygyzium Claviflorum Fruit Extracts: In vitro and In vivo Studies. DUCS COE grant. 2022-2024. Principal investigator 2. Metabolites of Underutilised Fruit-Based Functional Food and Pathways Analysis in Obese rat Model. DUCS COE grant. 2022-2024. Co-investigator **<u>Completed research activities:</u>** 1. Characterization of Prebiotics from Malaysian Honey and the Role in Modulation of Probiotics.Fundamental Research Grant Scheme (FRGS). 2010-2012. Principal investigator 2. Immunomodulatory activities of Malaysian honey on mast cell degranulation and in an Ovalbumin (OVA)-induced model of allergic asthma. Exploratory Research Grant Scheme (ERGS). 2012-2015. Principal investigator. 3. Evaluation of wound healing activity of Hibiscus Rosa-Sinensis using incision wound model. Research Initiative Fund (RIF). 2012-2015. Co-investigator. 4. In vivo antidiabetic studies of standardized extracts Ficus Deltoidea varieties.Ministry of Agriculture (MOA). 2015-2017. Co-investigator. 5. Unravelling the antimalarial potential of Goniothalamus lanceolatus in plasmodium berghei infected mice. LESTARI. 2015-2017. Principal investigator. 6. Probing the antiplasmodial mechanistic pathway of Goniothalamus lanceolatus by targeting the hemozoin biosynthesis. Fundemental Research Grant Scheme (FRGS). 2016-2019. Principal investigator. 7. Synthesis QSAR analysis and molecular docking studies of novel thiourea and sulphonamide derivatives of benzimidazole piperazine as α-glucosidase inhibitors. Fundemental Research Grant Scheme (FRGS). 2016-2019. Co-investigator. 8. Galectin-3 inhibition properties of benzimidazole derivatives as insulin resistance reversal agent. BESTARI. 2017-2019. Co-investigator. 9. Chemical fingerprinting of the leaves extract of Rourea Mimosoides. BESTARI. 2017-2019. Co-investigator.

		10. Development of antidiabetic standardized nano-encapsulated extract (rmax-e) from Rourea Memosoides leaves: physiochemical characteristic and mechanism of action studies. BESTARI. 2018-2019. Co-investigator. 11. Unravel the novel bioactive compounds of Rhodomyrtus tomentosa in enhancing the wound-healing process. Fundamental Research Grant Scheme (FRGS). 2019-2020. Co-investigator. 12. Antiplasmodial activities of Goniothalamus lanceolatus using Plasmodium falciparum in vitro culture and Plasmodium berghei-infected mice. Geran Inisiatif Penyeliaan (GIP). 2019-2020.Principal investigator. 13. An Appraisal on the Wound Healing Potential of Selected Malaysian Stingless Bee Propolis: In vitro and In vivo Studies. DUCS 2.0 grant. 2020-2022. Principal Investigator. 14. Identification of Chemical Constituents and Antibacterial Appraisal of Propolis Derived from Malaysian Stingless Bee Against the Wound infecting Bacteria. Geran Penyelidikan Khas (GPK). 2020-2022. Principal investigator. 15. Standardized Combination Extracts of Hibiscus Rosa-Sinensis and Centella Asiatica (HRS-CA) on Wound Healing Properties: In vivo and In vitro Model. Fundamental Research Grant Scheme (FRGS). 2019-2023. Co-investigator.
11	**SUPERVISIONS**	**<u>On-going:</u>** 1. Name: Lini Idris (Master) Research Title: Phytochemical Analysis, Antioxidant and Anti-Adipogenic Activities of *Geniotrigona thoracica* Propolis Extract Derived From Different Locations in Malaysia 2. Name: Muhammad Amirul Adli (Master) Phytochemical Standardisation of Malaysian *Geniotrigona thoracica* Propolis Extract and Its Development As Nanoparticles For Wound Healing 3. Name: Hidayatul Atiqah Abd Karim (PhD) Targeted Isolation Of Steroidal Alkaloids With Antiplasmodial Activity From *Kibatalia maingayi* Using Dereplication Approach 4. Name: Nur Intan Hasbullah (PhD) Mechanism Of Salmonella Pathogenicity Island 1 (Spi-1) In Cell Adhesion/Invasion By Salmonella Enterica Towards Triple Co-Culture Human Intestinal Model 5. Name: Siti Raihanah Abd Rahman (PhD) Purification, Molecular Docking, And Optimization Of Phenolic From *Hylocereus Undatus* Foliage As Plant Based Antioxidant

		Graduated: 1. Name: Halimatul Saadiah Mohammad Noor (PhD) Year: 2015-2018 Research Title: Urinary Metabolomic Profiling And Antihyperglycemic Properties of *Ficus Deltoidea* Jack Varieties In Streptozotocin-nicotinamide Induced Diabetic Rats Status: Completed 2. Name: Rassheda Abd Rahman (Master) Year: 2012-2020 Research Title: Phytochemistry And Antidiabetic Activity of *Derris Elliptica*. Status: Completed 3. Name: Fatin Amalina Kaharudin (Master) Year: 2017-2022 Research Title: Antiplasmodial activities of Goniothalamus lanceolatus using *Plasmodium falciparum in vitro* culture and *Plasmodium berghei infected* mice. Status: Completed
12	**AWARDS**	1. Best oral presenter at Virtual 3rd International Research Network Initiative (IRNI) Symposium 2022. 2. Anugerah Cemerlang Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi) 2021. 3. Silver Medal, IIDEX 2019 (RTreat). 4.Silver Medal, IIDEX 2019 (Zebrafish Embryo Toxicity Model of Kunyit Hitam (Curcuma Caesia) Extract). 5. Silver Medal, IIDEX 2019 (AEROHeal Natural Wound Aid). 6. Bronze Medal, IIDEX 2018, (An Improved Histopathological Scoring Indices to Evaluate Hepatic Changes In Malaria Mouse Model). 7. Bronze Medal, IIDEX 2018, (Metabolomics Approach to Study Anti-hyperglycemic Effect of Standardized Extracts of Ficus Deltoidea Varieties and Urine Biomarkers In Streptozotocin-Nicotinmide Induced Diabetic Rats). 8. Bronze Medal, IIDEX 2017, (Be Glamorous with 'Bee Glam'). 9. Silver Medal, IIDEX 2016, (BronchoAid).
13	**INVOLVEMENT IN PROFESSIONAL ORGANISATIONS**	1. Malaysian Natural Products Society (MNPS) -Active Member 2. Laboratory Animal Science Association of Malaysia (LASAM) - Active Member
14	**COMMUNITY SERVICES**	1. Coordinator for Aktiviti Penanaman Pokok Bakau Dan Api-Api Jabatan Perikanan Negeri Selangor-Program Pengurusan Perikanan Melalui Kaedah Ekosistem (EAFM) - Pantai Kelanang, Kuala Langat (2019) 2. Hand Sanitizer Project (2020)