

| PROFILE | | |
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| 1 | NAME | Hasseri bin Halim |
| 2 | ACADEMIC POSITION | Dr. |
| 3 | STATUS OF APPOINTMENT | Permanent |
| 4 | CITIZENSHIP | Malaysian |
| 5 | EDUCATION | PhD (Pharmaceutical Technology), University Chulalongkorn 2012; Bachelor of Science (Hons) (Biochemistry), University of Malaya 2003. |
| 6 | WORKING EXPERIENCE | <ul style="list-style-type: none"> ● Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 Aug 2012-Present ● Felo Penyelidik, Institut Farmakogenomiks Integratif (iPROMISE), Universiti Teknologi MARA Cawangan Selangor, Kampus Puncak Alam, 42300, Selangor, Malaysia, 1 Jan 2020-31 Dec 2023 ● Visiting Scholar, Department of Pharmacognosy and Pharmaceutical Botany, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Thailand, 15 Jan 2019-28 Feb 2019, 15 Jul 2019 – 31 Aug 2019 ● Postdoctoral Fellow, Division of Cardiology, University of Texas Medical Branch, Galveston, TX USA, 1 Aug 2014 – 30 Sept 2016 ● Researcher, Malaysia Agriculture Research and Development Institute, Malaysia. 1 Jun 2004 – 31 May 2007 ● Research Assistant, Institute of Science Biology, Faculty of Science, University of Malaya, Malaysia, 1 Apr 2003-31 May 2004 |
| 7 | CURRENT ACADEMIC RESPONSIBILITIES | <ul style="list-style-type: none"> ● PHC561: Lectures and Tutorials ● PHC513: Tutorials ● PHC612: Tutorials ● PHC636: Tutorials ● PHC610: Research 1 (Lecture and Supervisor) ● PHC632: Research 2 (Supervisor) ● NAD555: Lectures and Tutorials |

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| 8 | RESEARCH INTERESTS/ PROJECTS | <ul style="list-style-type: none"> ● Anti-inflammation and underlying mechanisms ● Apoptosis, autophagy, and necrosis cell death ● Atherosclerosis and underlying mechanisms ● Cancer biology and metastasis ● Reactive Oxygen Species (ROS) and anti-oxidant activities |
| 9 | PUBLICATIONS | <p>Journal article</p> <p>Roof, A. N. M., James, R. J., Ramli, S., Sritularak, B., Rojsitthisak, P., & Halim, H. (2024). Protection of Fargesin against Hydrogen Peroxide-induced Cell Death in RAW 264.7 Cells. <i>International Journal of Pharmaceutical Investigation</i>, 14(1), 55–61. https://doi.org/10.5530/ijpi.14.1.8</p> <p>Adli, M. A., Idris, L., Muhamad Mukhtar, S. ., Payaban, M., Johari James, R., Halim, H., George, A., & Mohd Zohdi, R. (2024). Phytochemical Assessment, Antioxidant Activity, and in vitro Wound Healing Potential of Polygonum minus Huds. <i>Journal of Current Science and Technology</i>, 14(1). https://doi.org/10.59796/jcst.V14N1.2024.18</p> <p>MAJID, Nurnadia; HALIM, Hasseri; RAMLI, Salfarina. The Role of Bilirubin in Preventing the Development of Tobacco-Induced Lung Cancer: A Review. <i>Science Letters</i>, [S.l.], v. 18, n. 1, p. 1-9, jan. 2024. ISSN 2682-8626.</p> <p>HALIM, Hasseri. Evaluation of Cytotoxicity and Migratory Effect of Aqueous Extract of Baeckea frutescens Lin. on Keratinocytes. <i>Science Letters</i>, [S.l.], v. 18, n. 1, p. 28-38, jan. 2024. ISSN 2682-8626.</p> <p>Zulkurnain, E. I., Ramli, S., Ali, A. A., James, R. J., Kamarazaman, I. S., & Halim, H. (2023). The Phytochemical and Pharmacological Effects of Hibiscus rosa-sinensis: A Review. <i>International Journal of Pharmaceutical Investigation</i>, 13(3), 422–431. https://doi.org/10.5530/ijpi.13.3.053</p> <p>Rohaya Abdul Halim, Rosnani Hanim Mohd Hussain, Shafiq Aazmi, Hasseri Halim, Naveed Ahmed Khan, Ruqaiyyah Siddiqui, Tengku Shahrul Anuar; Molecular characterisation and potential pathogenicity analysis of</p> |

Acanthamoeba isolated from recreational lakes in Peninsular Malaysia. *J Water Health* 1 September 2023; 21 (9): 1342–1356. doi: <https://doi.org/10.2166/wh.2023.186>

Zulkurnain, E. I., Ramli, S., Ali, A. A., James, R. J., Kamarazaman, I. S., & Halim, H. (2023). The Phytochemical and Pharmacological Effects of *Hibiscus rosa-sinensis*: A Review. *International Journal of Pharmaceutical Investigation*, 13(3), 422–431. <https://doi.org/10.5530/ijpi.13.3.053>

Richard Johari James, Hasseri Halim, Mohd Mursyidul Amin Nasir, Fatimatul Huda Amiruddin, Nurul Aqmar Mohamad Nor Hazalin. (2023). Protective effect of *Carica papaya* leaves against oxidative stress in brine shrimps. *International Journal of Public Health Science*. 12(3), 1070-1077.

Mohd Hussain, R.H., Abdul Ghani, M.K., Khan, N.A., Siddiqui, R., Aazmi, S., Halim, H., Anuar, T.S. In Vitro Cytopathogenic Activities of *Acanthamoeba* T3 and T4 Genotypes on HeLa Cell Monolayer. *Pathogens* 2022, 11, 1474.

Thitikornpong, W., Jithavech, P., Thompho, S., Punpreuk, Y., Halim, H., Sritularak, B., & Rojsitthisak, P. (2022). Development and validation of a simple, sensitive and reproducible method for simultaneous determination of six polyphenolic bioactive markers in *Dendrobium* plants. *Arabian Journal of Chemistry*, 15(9), 104038.

Buranasudja, V., Muangnoi, C., Sanookpan, K., Halim, H., Sritularak, B., & Rojsitthisak, P. (2022). Eriodictyol Attenuates H₂O₂-Induced Oxidative Damage in Human Dermal Fibroblasts through Enhanced Capacity of Antioxidant Machinery. *Nutrients*, 14(12), 2553.

Ramli, S., Saari, N. F., Rofiee, M. S., Halim, H., & Lay, T. (2022). Mass Spectrometry Profiles for Identification of *Lansium domesticum* Corr. Ethanolic Leaf Extracts Harvested from Two Different Locations in Malaysia. *Science Letters*, 16, 2.

Kamarazaman, I.S., Ali, N.A.M., Abdullah, F., Saad, N.C., Ali, A.A., Ramli, S., Rojsitthisak, P., and Halim, H. (2022) In Vitro Wound Healing Evaluation, Antioxidant, and

Chemical Profiling of *Baeckea frutescens* Leaves Ethanolic Extract. *Arabian Journal of Chemistry*, 103871.

Ramli, S., Eshak, Z., Ayub, N., and Halim, H. (2022) Morphological Changes of MCF7 Cells Incubated with Quercetin. *Research Journal of Biotechnology*, 17(4).

Abu-Bakar, A., Tan, B.H., Halim, H., et al. (2022) Cytochromes P450: Role in Carcinogenesis and Relevance to Cancers. *Current Drug Metabolism*. DOI: 10.2174/1389200223666220328143828. PMID: 35345986.

Suratman, S., Ali, A. A., Latip, N. A., Halim, H., Ramli, S., Mahamood, M., Hasan, M. H., Mustaffa, M. F. (2021) "Covid-19: Students' Perception of e-Learning & e-Assessment Platforms Utilised in Pharmacology Curriculum Delivery", *Borneo Akademika*, 5(2), pp. 122-131.

Rosly, H. A., Roof, A. N. M., Ramli, S., Buranasudja, V., Rojsitthisak, P., Sritularak, B. and Halim, H. (2021) Cytotoxicity of Eurycomanone and Fargesin in RAW 264.7 Murine Macrophages. *Journal of Pharmaceutical Research International*, 33(41A), pp. 275-284. doi: 10.9734/jpri/2021/v33i41A32327.

Kamarudin, E., Halim, H., Anuar, T. S. and Hussain, R. (2021) Wound Healing Potential of *Rhodomyrtus tomentosa* and its Bioactive Compounds- Rhodomyrtone, *Journal of Pharmaceutical Research International*, 33(40A), pp. 262-273. doi: 10.9734/jpri/2021/v33i40A3224.

Karem, A. A., Kamarudin, E., Jusril, N. A., Halim, H., Hussain, R. M. and Bahari, M. (2021) In vitro Cytotoxicity and Antioxidant Study of *Rhodomyrtus tomentosa* (Aiton) Hassk. Ethanolic Leaf Extract on LPS-induced RAW 264.7 Macrophage Cells, *Journal of Pharmaceutical Research International*, 33(41B), pp. 41-52. doi: 10.9734/jpri/2021/v33i41B32343.

Azmi, N., Zulkurnain, E. I., Ramli, S., James, R. J. and Halim, H. (2021) The Phytochemical and Pharmacological Properties of *Persicaria odorata*: A Review, *Journal of Pharmaceutical Research International*, 33(41B), pp. 262-279. doi: 10.9734/jpri/2021/v33i41B32366.

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| | | <p>N Abd Mutalib, AA Daud, Hasseri Halim, N Abd Latip. An efficient and inexpensive PEI-mediated transfection for transient overexpression of CYP2C9 in WRL 68 Normal Liver Cells. <i>Journal of Pharmaceutical Research International</i>, 13-21, 2020.</p> <p>Salfarina Ramli, Hasseri Halim et al, Study of Micropropagation and Gamma Irradiation Effect on Bacopa Monnieri. <i>Research Journal of Biotechnology</i>, 15(8), pp 51-57, 2020</p> <p>Kamran Ashraf, Hasseri Halim et al, In vitro antioxidant, antimicrobial and antiproliferative studies of four different extracts of Orthosiphon stamineus, Gynura procumbens and Ficus deltoidei. <i>Saudi Journal of Biological Sciences</i> 27 (1), 417-432, 2020</p> <p>Hasseri Halim et. al. Ticagrelor induces paraoxonase-1 (PON1) and better protects hypercholesterolemic mice against atherosclerosis compared to clopidogrel. <i>PloS one</i> (2019) 14 (6), e0218934</p> |
| <p>10</p> | <p>RESEARCH GRANTS</p> | <p>Metagenomics profiling of the intracellular microbiome of environmental acanthamoeba isolates and its role in pathogenicity. Co-Investigator. Grant FRGS, 1 September 2022 – 31 August 2025.</p> <p>Phytochemical, antioxidant and anti-inflammation properties of baeckea frutescens branch ethanolic extract. Principal Investigator. Grant GIP, 1 July 2022 – 30 June 2023.</p> <p>Targeted drug discovery & design (TD3). Co-Investigator. Grant UiTM Selangor, 1 April 2022 – 31 March 2024.</p> <p>Unravelling the interactions of acanthamoeba as a universal host with bacterial endosymbionts: one bridge from environment to host pathogenicity. Co-Investigator. Grant YTR, 1 December 2021 – 31 August 2023.</p> <p>Investigating the reactive sulfur species (RSS) function towards cis-urocanic acid metabolism in human</p> |

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| | | <p>keratinocytes. Co-Investigator. Grant GPK, 21 December 2020 – 18 June 2023.</p> <p>Investigating the synergistic effect of antioxidants and reactive sulfur species in oxidative stress-induced in vitro model. Co-Investigator. Grant GPK, 21 December 2020 – 18 December 2023.</p> <p>Investigating the role of reactive oxygen species in alleviating UV-induced cytotoxicity. Co-Investigator. Grant DUCS. 1 July 2020- 30 June 2022</p> <p>An appraisal on the wound healing potential of selected Malaysia stingless bee propolis: In vitro and in vivo studies. Co-Investigator. Grant DUCS. 1 July 2020- 30 June 2022</p> <p>Effect of curcuma longa fraction on cyst wall degradation of <i>Acanthamoeba</i> T4 and its cytotoxic potential on human corneal epithelial cells. Co-Investigator. Grant DUCS. 1 July 2020- 30 June 2022</p> <p>Elucidating the regulation of wound healing genes by <i>Baeckea frutescens</i> ethanolic extract. Principal Investigator. Grant FRGS-RACER. 1 September 2019- 31 August 2021</p> <p>Standardized combination extracts of <i>Hibiscus rosa-sinensis</i> and <i>Centella asiatica</i> (hrs-ca) on wound healing properties: in-vivo and in-vitro model evaluation. Co-investigator. FRGS. 1 September 2019 – 31 August 2021</p> <p>Elucidating the regulation of wound healing genes by <i>Baeckea frutescens</i> ethanolic extract. Principal Investigator. Grant Lestari. 1 July 2019- 30 June 2021</p> |
| 11 | AWARDS | <p>Anugerah Penerbitan, FRIM, 2023</p> <p>Anugerah Perkhidmatan Cemerlang (APC), UiTM, 2021</p> <p>Anugerah Cemerlang, TNCPI UiTM, 2021</p> <p>Visiting Scholar, Faculty of Pharmaceutical Sciences, Chulalongkorn University, 2019</p> |
| 12 | INVOLVEMENT IN | <ul style="list-style-type: none"> ● Member, Microscopy Society of Malaysia, 2013 – |

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| | PROFESSIONAL ORGANISATIONS | <p>present</p> <ul style="list-style-type: none"> ● Committee Member, Persatuan Metabolomik Malaysia, 2020-present |
| 13 | PARTICIPATION IN CONTINUING EDUCATION | <p><u>Conferences:</u></p> <p>Participant, 2nd International Conference On Precision Health In Industrial Revolution (IC-PHIR 2023), 2023, UiTM Puncak Alam, Malaysia.</p> <p>Participant, “Leadership Forum Uitm 2023 (Leadforuitm2023)” Dengan Tema Internalising Values, Attaining Performance Dan Sempena Sesi Pembentangan Pelaporan Pencapaian Prestasi Universiti Sukuan Kedua (Q2) Tahun 2023, 2023, ILD, Malaysia.</p> <p>Presenter, International Research Network Initiative (IRNI) & International Postgraduate Of Pharmaceutical Sciences (Ipop) Conference 2021, 2021, Malaysia.</p> <p>Presenter, International Research Conference On Pharmaceutical And Allied Sciences (IRCPAS 2020), 2020, UCSI Malaysia.</p> <p><u>Courses:</u></p> <ul style="list-style-type: none"> ● Participant, In House Training: Rodents Breeding Care & Management, LAFAM UiTM, 2023 ● Participant, Awareness Of MS ISO/IEC 17025:2017, UiTM 2022 ● Participant, Program Rakan Pembimbing Perkhidmatan Awam (AKRAB), UiTM, 2022 ● Participant, Program Rakan Pembimbing Perkhidmatan Awam (AKRAB), UiTM, 2021 ● Participant, Leadership Coaching & Mentoring, ILD UiTM, 2020 |
| 14 | COMMUNITY SERVICES | <ul style="list-style-type: none"> ● Member/Volunteer, Program ExploraScience @ iPROMISE, 2023 ● Member/Volunteer, Program Sains Prihatin, 2022 ● Volunteer, PPV Puncak Alam, 2021 ● Volunteer, Volunteers for Community Engagement and Empowerment for Covid 19, 2021 ● Volunteer, Leadership and Camping Community |

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| | | <p>Service in West Sumatera, 2019</p> <ul style="list-style-type: none">• Volunteer, Public Health Pharmacy Carnival, 2019 |
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