

| <b>PROFILE</b> |  |   |
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| <b>1</b>       | <b>NAME</b>                              | Hannis Fadzillah Bt Mohsin (IKM No: A/3577/6475/13)   |
| <b>2</b>       | <b>ACADEMIC POSITION</b>                 | Senior lecturer   |
| <b>3</b>       | <b>STATUS OF APPOINTMENT</b>             | Permanent   |
| <b>4</b>       | <b>CITIZENSHIP</b>                       | Malaysian   |
| <b>5</b>       | <b>EDUCATION</b>                         | PhD (Natural Product Chemistry), UiTM – 2013;   |
| <b>6</b>       | <b>WORKING EXPERIENCE</b>                | <ul style="list-style-type: none"> <li>• Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 9 Jan 2013 – present</li> <li>• Lecturer (DM45) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 4 Jan 2010 – 9 Jan 2013</li> <li>• Lecturer, Centre for Foundation Studies (CFS), Kolej Universiti Teknologi &amp; Pengurusan Malaysia, KUTPM, 2004-2006</li> </ul>   |
| <b>7</b>       | <b>CURRENT ACADEMIC RESPONSIBILITIES</b> | <ul style="list-style-type: none"> <li>• Pharmaceutical Analysis</li> <li>• Pharmaceutical Organic Chemistry</li> <li>• Pharmacognosy</li> <li>• Research I &amp; Research II</li> </ul>  |
| <b>8</b>       | <b>RESEARCH INTERESTS/ PROJECTS</b>      | <ul style="list-style-type: none"> <li>• Natural product chemistry</li> <li>• Analytical Chemistry</li> </ul>   |
| <b>9</b>       | <b>PUBLICATIONS</b>                      | <p><b><u>Journal article</u></b></p> <ol style="list-style-type: none"> <li>1. Ratni Suriyani Jalal, Kathleen J. Jalani, Zolkapli Eshak, Ibtisam Abdul Wahab, Aida Hamimi Ibrahim, <u>Hannis Fadzillah Mohsin*</u> (2023) <i>Kappaphycus alvarezii</i>: Phytochemicals And Ethnopharmacological Significance, <i>Journal of Sustainability Science and Management</i>, Volume 18 Number 10, October 2023 (Accepted)</li> <li>2. Ratni Suriyani Jalal, Kathleen J. Jalani, Zolkapli Eshak, Ibtisam Abdul Wahab, Aida Hamimi Ibrahim, <u>Hannis Fadzillah Mohsin*</u> (2023) Health Benefits of Pre-processed <i>Kappaphycus alvarezii</i>: Extraction, Phytochemical Analysis and Antioxidant Properties, <i>Malaysian Journal of Medicine and Health Sciences</i> Vol.19 Supp 7, June 2023 (eISSN 2636-9346).</li> <li>3. Khirul Anuar, N.A., Gazem, M.A.H, Sadia, S., <u>Mohsin, H.F.</u>, Ali Shah, S.A. (2023) Microbial Biotransformation of Synthetic Hormone Drugs and Bioactivities of its Transformed Products, <i>Malaysian Journal of Medicine and Health Sciences</i> Vol.19 Supp 7, June 2023 (eISSN 2636-9346)</li> <li>4. Zohdi, R.M., Adli, M.A., <u>Mohsin, H.F.</u>, Junaidi, A.H.A., Jahrudin, D.H.J. (2023) GC-MS Analysis and Antibacterial Activity of Ethanolic and Water Extracts of Malaysian <i>Heterotrigena itama</i> Propolis Against Selected Human Pathogenic Bacteria, <i>Malaysian Applied Biology</i>, 52(2), pp. 77–84.</li> <li>5. Kasri, S.S., <u>Mohsin, H.F.</u>, Hanafi, W.N.W., Tahir, W., Tay, C.C. (2023) Optimisation of the Liquid Chromatography-Mass Spectrometry Triple-Quadrupole and Low-Cost Microextraction Analysis for Carbamazepine. <i>Malaysian Journal of Analytical Sciences.</i>, Vol 27(2), pp. 386–396.</li> <li>6. <u>Hannis Fadzillah Mohsin</u>, Kathleen J. Jalani, Ibtisam Abdul Wahab (2022) Qualitative study of Curcuma xanthorrhiza using RP-HPLC-DAD. <i>Malaysian Journal of Chemical Engineering &amp; Technology</i>, Vol 5(2) (2022), pp 161–165.</li> </ol> |

7. Q.A.Z. Mohd Zamram, H. F. Mohsin, M. Mohamad, N.A. Mohamad Nor Hazalin and K. Abdul Hamid (2022) Physical Characterisation and Stability Study of Formulated Chromolaena odorata Gel. *Current Drug Delivery*, Vol 19(4), pp. 479 – 490.
8. N R S Abdul Hakeem, I Abdul Wahab, H F Mohsin, S A Ali Shah. 2022. Detecting Agnuside from *Vitex* sample, The revised version is sent to the copyeditor for publication process in *Gading Journal of Science and Technology* (GJST), UiTM Cawangan Pahang, Vol 5, No 2, September 2022.
9. Puteri Faten Fariheen Megad Mohd Nizar, Hannis Fadzillah Mohsin & Ibtisam Abdul Wahab. 2022. Review Of Prophetic Food: The *Vitis* Species, *Journal of Islamic Philanthropy & Social Finance (JIPSF)*; Vol.4 (2), page 1-9, eISSN: 2590-3942.
10. Ibtisam Abdul Wahab, Hannis Fadzillah Mohsin, Nurul Izzati Osman. (2022). Ilustrasi Cili Dalam Pembelajaran Kimia Farmaseutikal, *Art and Expression (ARTE)*, Second Edition, Chapter 3, pp. 23-28, UiTM Perak Press.
11. Muhammad Asyraf Fariduddin Mustafah, Ibtisam Abdul Wahab & Hannis Fadzillah Mohsin (2022) Produk Buah Kurma Di Pasaran Dan Farmasi Komuniti, Newsletter: e-Buletin el-Wazif, edisi Jan-Feb 2022 (Bil. 11/2022), <https://melaka.uitm.edu.my/images/bahagian/acis/El-Wazif-Bil-11-Jan-Feb-2022.pdf>,
12. S. N. Zawawi, N.I. Osman, I. Abdul Wahab, H. F. Mohsin (2021). Comparative Phytochemical Profiling of Garlics (*Allium sativum* L.) and Onion (*Allium cepa* L.). *Journal of Pharmaceutical Research International*.
13. K. F. Ku Halim, K. J. Jalani, H. F. Mohsin & I. Abdul Wahab. (2020). Phytochemical Screening of *Peronema Canescens* Jack. *International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science*, Vol 1, pp.7-15
14. N. N. F. Ab Muib, H. F. Mohsin, S. A. Ali Shah, I. Abdul Wahab (2020). Naturally Occurring Triterpenic Acid from the *Olea* species. *International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science*, Vol 1, pp. 1-6
15. R. H. Md Sulji, K. J. Jalani, H. F. Mohsin and I. Abdul Wahab (2019). The UV Spectroscopic and Chromatographic Methods of Hydroalcoholic Extracts of Aloe vera. *ESTEEM Academic Journal* Vol. 15, June 2019, pp. 18-24
16. N. S. Zamri, H. F. Mohsin & I. Abdul Wahab. (2019). Separation of Dipetroselin from the Coriander Extract, *Scientific Research Journal*, Vol 16, No 1, pp. 01-12

## 10 RESEARCH GRANTS

### Principal Investigator

1. Understanding The Biochemical Mechanism Of *Kappaphycus Alvarezii* In Regulating Hypertension And Hypercholesterolemia Via Phytochemistry And In Vivo Study (FRGS). 1 Sept 2019-30 Mei 2022. RM 121,617.00 (Completed).
2. Pemindahan Kepakaran Instrumentasi (LCMS) Bagi Anakisis Produk Herba : Ke Arah Peningkatan Daya Saing Syarikat Tempatan Ke Peringkat Global. Knowledge Transfer Program (KTP). 1 Sept 2014-31 Jan 2017. RM118,961.09. (Completed).
3. The Ecology, Pharmacognostic Evaluation And Traditional Beliefs Of Pandanaceae. (RAGS). 15 Dec 2012 - 14 Jun 2015. RM80,000. (Completed).

### Co-researcher

1. Impact of Global Warming Through Thermal Stress Simulation on Clonal Plantlets of *Ananas Comosus* L. (Pineapple). (GPK) 21 Dec 2020-18 Jun 2023. RM 20,000.00 (In progress).
2. Identification of Chemical Constituents and Antibacterial Appraisal of Propolis Derived from Malaysian Stingless Bee Against the Wound Infecting Bacteria. . (GPK) 21 Dec 2020-18 Jun 2023. RM 20,000.00 (In progress).
3. Investigating The Reactive Sulfur Species (RSS) Function Towards Cis-Urocanic Acid Metabolism in

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|  | <p>Human Keratinocytes. (GPK) 21 Dec 2020-18 Jun 2023. RM 20,000.00 (In progress).</p> <ol style="list-style-type: none"> <li>4. Synthesis of Virucidal Aerosol Disinfectant for Cleanliness and Hygenic Precaution Againsts Corona Virus (COVID 19). 1 Nov 2020-31 Oct 2021. RM 5,000.00 (Completed).</li> <li>5. Carbamazepine Bioremediation Mechanism And Pathway Model By Rhodococcus And Leifsonia Bacteria Microbial Consortium. (FRGS) 1 Sept 2019-30 Nov 2021. RM 129,000.00 (Completed).</li> <li>6. Understanding the role of liver sinusoidal endothelial cells in the pathophysiology of age-related insulin resistance. (FRGS) 1 Aug 2016 - 30 Jul 2018. RM149,700. (Completed).</li> <li>7. Unravelling the changes in phase II enzymes and neurosteroid metabolism during the progression of Alzheimer's disease using Tg2576 mice (FRGS). 2 Nov 2015 - 1 Nov 2017. RM114,000. (Completed).</li> <li>8. Kurikulum Latihan Amalan Perkilangan Baik/Apb (Good Manufacturing Practice : Pemindahan Kepakaran Kepada Industri Kecil &amp; Sederhana Tempatan (Che Mah &amp; Sons Sdn Bhd). Knowledge Transfer Program (KTP). 16 Jul 2013 - 15 Jul 2015. RM107,010. (Completed).</li> <li>9. Rapid Identification Of Quinone Methide Triterpenes From Celastraceous Plants Using LCMS/MS Approach. FRGS. 1 Jul 2014 - 30 Jun 2016. RM53,000. (Completed).</li> </ol>  |  |   |
| 11   | <p><b><u>AWARDS</u></b></p> <ol style="list-style-type: none"> <li>1. <b>Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA) 2022, Universiti Malaysia Kelantan (UMK), Malaysia (1-3 Nov 2022)</b><br/>Gold Award – Aero-G: Patch &amp; Heal Hydrogel Dressing (Member)</li> <li>2. <b>33<sup>rd</sup> International Invention, Innovation &amp; Technology Exhibition (ITEX) 2022, Kuala Lumpur, Malaysia (26-27 May 2022)</b><br/>Gold Award – Aero-G: Patch &amp; Heal Hydrogel Dressing (Member)</li> <li>3. <b>Karnival Inovasi UTeM (UTeMEX 2021), 22 Nov- 8 Dec 2021</b><br/>Gold Award - Kappa Kea: Embrace Your Life (Leader)</li> <li>4. <b>IIDEX 2020 UiTM (6 Nov 2020).</b> <ol style="list-style-type: none"> <li>i) Gold Award - Kappa Kea: Embrace Your Life (Leader)</li> <li>ii) Gold Award – SannySlip Sanitizer Sheet: Just Rub It (Member)</li> <li>iii) Silver Award - AERO-Seal: Spray and Heal (Member)</li> </ol> </li> <li>5. <b>Pharm-IIDEX 2020 (21 Sept 2020).</b> <ol style="list-style-type: none"> <li>i) Diamond &amp; Gold Award - Kappa Kea: Embrace Your Life (Leader)</li> <li>ii) Gold Award – SannySlip Sanitizer Sheet: Just Rub It (Member)</li> <li>iii) Gold Award - AERO-Seal: Spray and Heal (Member)</li> </ol> </li> </ol> <p><b><u>COPYRIGHT</u></b><br/>MyIPO - Kappa Kea: Embrace Your Life (CRFM00001221), 2020</p> <p><b><u>Best Poster Presentation</u></b><br/>Phytochemicals Profiling of <i>Kappaphycus alvarezii</i> Methanolic Extract using GCMS and HPLC Techniques, <i>Virtual International Research Network Initiative (IRNI) and International Postgraduate Conference on Pharmaceutical Sciences (IPoPS) 2021</i>, September 28 - 29, 2021</p> |  |   |
| 12   | <table border="1" style="width: 100%;"> <tr> <td style="width: 30%;"><b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b></td> <td>Associate Member, Institut Kimia Malaysia (IKM), 2013-present</td> </tr> </table>   | <b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b> | Associate Member, Institut Kimia Malaysia (IKM), 2013-present |
| <b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b> | Associate Member, Institut Kimia Malaysia (IKM), 2013-present  |  |   |

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| 13 | <p><b>PARTICIPATION IN CONTINUING EDUCATION</b></p> <p><b><u>Reviewer</u></b></p> <p><b><u>Article</u></b></p> <ul style="list-style-type: none"> <li>• Journal article: Enhanced wound healing effect of <i>Areca catechu L.</i> ointment via antibacterial activity and inflammatory process at grade IIA burns in rats. <i>Journal of Herbmed Pharmacology</i>, Jan 2023</li> <li>• AIP Conference Proceedings. Simultaneous Esterification and Transesterification of Waste Cooking Oil into Methyl Ethyl Esters Using Nickel Supported Calcium Oxide (Ni/CaO) as Catalyst. <i>The 5th International Conference on Green Chemical Engineering and Technology 2022 (GCET)</i></li> <li>• Journal article: Anticancer, hepatoprotective, and antioxidant activities of polysaccharides from <i>Delonix regia Raf.</i> and <i>Gleditsia triacanthos L.</i> fruits. <i>Journal of Herbmed Pharmacology</i>, 2022.</li> </ul> <p><b><u>Grant</u></b></p> <ul style="list-style-type: none"> <li>• Deciphering the Function of Endolysosomal Calcium Channels in Breast Cancer Cells Via siRNA Mediated Silencing, GERAN INSENTIF PENYELIAAN, 2022.</li> <li>• Phytochemical Analysis and Antifungal activity of <i>Andrographis paniculata</i> as seed treatment to control <i>Fusarium profileum</i>, , GERAN INSENTIF PENYELIAAN, 2022.</li> <li>• Pharmacokinetic Study of Chloroquine and Primaquine Loaded Microneedles for Skin Application in Comparison to Oral Administration, , GERAN INSENTIF PENYELIAAN, 2022.</li> </ul> <p><b><u>Trainer</u></b></p> <ul style="list-style-type: none"> <li>• Speaker. A Guide to HPLC Method Validation: Take your analysis to the next level (WEBINAR), Organized by Analytical Unit Faculty of Pharmacy, Jul 2023</li> <li>• Speaker. HPLC Techniques and Applications. <i>Pre-Symposium Workshop in conjunction with 3<sup>rd</sup> Virtual International Research Network Initiative (IRNI) Symposium</i>, 2022.</li> <li>• Trainer, ISO 17025 Awareness Training; Organized by Analytical Unit, Faculty of Pharmacy UiTM, 2021</li> <li>• Trainer, HPLC Training; Tips, Tricks and Techniques. Organized by Analytical Unit, Faculty of Pharmacy UiTM, 2019.</li> </ul> |
| 14 | <p><b>Community Service :</b></p> <ul style="list-style-type: none"> <li>• Program Pengurusan Emosi: Impak Kepada Sahsiah Dan Kecemerlangan Akademik, 26 September 2023, SKPA 2 Puncak Alam.</li> <li>• Projek Anak Angkat SKPA 2 Puncak Alam</li> </ul>   |