**CURRICULUM VITAE**

| **A. BUTIR-BUTIR PERIBADI *(Personal Details)*** | | | |
|---|---|---|---|
| Nama Penuh *(Full Name)* | **BALKIS FATOMER A. BAKAR** | | Gelaran *(Title): Dr.* |
| No. MyKad / No. Pasport *(Mykad No. / Passport No.)* 870502-06-5322 | Warganegara *(Citizenship)* *Malaysian* | Bangsa *(Race* *Melayu)* | Jantina *(Gender)* *Perempuan* |
| Jawatan *(Designation)* | Pensyarah Kanan | Tarikh Lahir *(Date of Birth)* | 2 Mei 1987 |

| Alamat Semasa *(Current Address)* | Jabatan/Fakulti *(Department/Faculty)* | E-mel dan URL *(E-mail Address and URL)* |
|---|---|---|
| Jabatan Industri Kayu dan Gentian<br>Fakulti Perhutanan dan Alam Sekitar,<br>43400, UPM Serdang, Selangor<br><br>Tel: | Jabatan Industri Kayu dan Gentian<br>Fakulti Perhutanan dan Alam Sekitar,<br><br>Tel:<br>Fax: | E-mail: bfatomer@upm.edu.my<br><br>URL:<br><br>H/P: 01127829455 |

| **B. KELAYAKAN AKADEMIK *(Academic Qualification)*** | | | |
|---|---|---|---|
| Nama Sijil / Kelayakan *(Certificate / Qualification obtained)* | Nama Sekolah Institusi *(Name of School / Institution)* | Tahun *(Year obtained)* | Bidang pengkhusususan *(Area of Specialization)* |
| PhD. | Oregon State University, USA | 2019 | Wood Science/Biocomposite |
| MSc. | Universiti Putra Malaysia | 2014 | Biocomposite |
| BSc. (Hons) | Universiti Teknologi Mara, Shah Alam | 2009 | Biocomposite |

| **C. KEMAHIRAN BAHASA** *(Language Proficiency)* | | | | | |
|---|---|---|---|---|---|
| Bahasa / *Language* | Lemah *Poor (1)* | Sederhana *Moderate (2)* | Baik *Good (3)* | Amat Baik *Very good (4)* | Cemerlang *Excellent (5)* |
| English | | | | / | |
| Bahasa Melayu | | | | / | |
| Chinese | / | | | | |
| Lain-lain *(other):* | | | | | |

| **D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN** ***(Scientific experience and Specialisation)*** | | | | |
|---|---|---|---|---|
| *Organization* | *Position* | *Start Date* | *End Date* | *Expertise* |
| **Wood Science and Engineering Professional Development Committee** | Coordinator | Sep 2018 | Dec 2018 | Wood Science |
| **Ecopro Polymer** | Student worker | 2015 | 2018 | Biocomposite/Wood based composites |
| **Spekply** | Student worker | 2015 | 2018 | Biocomposite/Wood based composites |

| **E. PEKERJAAN** ***(Employment)*** | | | | |
|---|---|---|---|---|
| Majikan / *Employer* | Jawatan / *Designation* | Jabatan / *Department* | Tarikh lantikan / *Start Date* | Tarikh tamat / *Date Ended* |
| Faculty of Forestry, UPM | Tutor | Department of Forest Production | 2011 | 2015 |
| Institute of Tropical Forestry and Forest Product (INTROP), UPM | Research Assistant | Biocomposite Lab | Oct 2009 | Dec 2009 |
| Masri Processing Sdn Bhd | Human Resources Executive | Human Resources | Jun 2009 | Sept 2009 |

| **F. ANUGERAH DAN HADIAH** *(Honours and Awards)* | | | | |
|---|---|---|---|---|
| *Name of awards* | *Title* | *Award Authority* | *Award Type* | *Year* |
| *Academic Awards* | Women Ambassadors: Creating the Future of Wood Science | Society of Wood Science and Technology | International | 2022 |
| *Academic Awards* | George Marra First Place Award for Excellence in Writing | Society of Wood Science and Technology | International | 2021 |
| *Academic Awards* | SWST Student Travel Award | Society of Wood Science and Technology | International | 2018,2017 |
| *Academic Awards* | Wood Science Bowl | Forest Product Society | International | 2018 |
| *Academic Awards* | Sutherland-Forestry Scholarship | Benton Community Foundation | Community | 2018 |
| *Academic Awards* | Student Scholarship | Forest Product Society | International | 2018 |
| *Academic Awards* | Graduate Student Travel Award | Oregon State University | University | 2017 |
| | | | | |

| **G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan)** *(List of publications – author (s), title, journal, volume, page and year published)* | |
|---|---|
| *Journal* | 1. Abare, Alhassan Yakubu ; Jawaid, Mohammad; Hamid, Norul Hisham ; **Bakar, Balkis Fatomer A**. ; ISMAIL, AHMAD; Sarmin, Siti Noorbaini. (2023). Evaluation of physical, mechanical, and thermal properties of woven kenaf/bio-epoxy composites. Submitted to Journal of Industrial Textiles.<br>2. Zainal Abidin, W.N.S.N., Osman Al-Edrus, S.S., Lee, S.H., Abdul Ghani, M.A., **Bakar, B.F.A**., Ishak, R., Qayyum, F., Sabaruddin, F.A., Kristak, L., Lubis, M.A.R., Reh, R., and Hiziroglu, S. (2023). Properties of Phenol Formaldehyde-Bonded Layered Laminated Woven Bamboo Mat Boards Made from Gigantochloa scortechinii. Applied Science, 13, 1-15.<br>3. Osman, S., Ahmad, M., Zakaria, M.N**., Bakar, B.F.A**., Abu, F., Kamarudin, S.H., and Bahari, S.A. (2022). Variation of Chemical Properties, Crystalline Structure and Calorific Values of Native Malaysian Bamboo Species (2022). Wood and Fiber Science, 54(3), 173-186.<br>4. **Bakar, B.F.A**. and Kamke, F.A. (2021). Alkali Concentration and Diluent Effects on Some Properties of Grape Cane Fiber-Reinforced Polymer Composites. Polymers, 13, 4055, 1-15.<br>5. **Bakar, B. F. A.,** & Kamke, F. A. (2020a). Comparison of alkali treatments on selected chemical, physical and mechanical properties of grape cane fibers. *Cellulose*, *27*(13), 7371–7387.<br>6. **Bakar, B. F. A**., & Kamke, F. A. (2020b). Effect of Alkali Treatment on the Tensile Properties of Grape Cane Fibers by Integrating Digital Image Correlation Method. *Wood and Fiber Science*, *52*(4), 365–379.<br>7. Achuthan, K., Gandaseca, S., & **Bakar, B. F. A**. (2020). Effect of heat-stress and physical workload on work-rest cycle and productivity in mangrove forest of peninsular malaysia. *Journal of Experimental Biology and Agricultural Sciences*, *8*(6), 859–866.<br>8. **Balkis Fatomer A.B**., Hiziroglu S., Paridah M.T. (2013) Properties of Some Thermally Modified Wood Species. Materials and Design Journal. 43: 348-355.<br>9. **Balkis Fatomer A. B**., Paridah M. T., Karimi A. N., Bakar, E.S., Anwar U. M. K., and Choo, A.C.Y. (2013) Evaluations of some Physical Properties for Oil Palm as Alternative Biomass Resources. Wood Material Science and Technology. Vol. 8(2): 119-128.<br>10. Choo A.C.Y, Paridah M.T, Karimi A. N., Bakar, E.S., Abdan, K., Ibrahim, A., and **Balkis Fatomer A. B**. (2013) Study on the Longitudinal Permeability of Oil Palm Wood. Industrial and Engineering Chemistry Research. 52(27): 9405-9410. |
| *Books/Monographs* | |
| *Chapter in book* | |
| *Proceedings* | |
| *Other publications* | |
| *Computer software* | |

| **H. PROJEK PENYELIDIKAN TERDAHULU***(Past Research Project)* | | | | | |
|---|---|---|---|---|---|
| *Project No.* | *Project Title* | *Role* | *Year* | *Source of fund* | *Status* |
| | Configuration Effects on the Physical and Mechanical Properties of Hybrid Laminated Panels from Bamboo/Oil Palm Trunk (GP-IPM) | PI | 2022-2024 | GP-IPM | On-going |
| | | | | | |
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