

# CURRICULUM VITAE

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**BIRTH DATE AND PLACE:** December, 6<sup>th</sup> 1973 in Manokwari, West Papua, Indonesia.

**HOME ADDRESS:** Perumahan Dosen UNIPA No. K-46, Amban Pantai, Manokwari 98314, Papua Barat, INDONESIA.

**GENERAL EXPERTISE:** Biodiversity, Environmental Science, Conservation, Forestry, Management and Policy of Research and Development.

**RESEARCH INTEREST:** Taxonomic and monographic research of the palm family (*Arecaceae*); floristic research of New Guinea and Moluccas; teaching and research on forest ecology, botany and conservation; fieldwork and collecting in the Malesian region; supervising student and cadre young staff; development of the collaborative programs within the country and overseas partners; establish herbarium and botanic gardens in the area with rich of local flora.

### **EMPLOYMENT RECORD:**

- Head of the Research and Development Agency, The Provincial Government of West Papua (Since July, 20<sup>th</sup> 2018 – present).
- Acting Head of the Research and Development Agency, The Provincial Government of West Papua (Since January, 11<sup>th</sup> 2017 – July, 19<sup>th</sup> 2018).
- Secretary of the Research and Development Agency, The Provincial Government of West Papua (Since January, 11<sup>th</sup> 2017 – present).
- Head of the Center for Biodiversity Research, Universitas Papua (Since September 15<sup>th</sup> 2016 – February 2017).
- Honorary Research Associate, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, UK (Since June 2013 – present).
- Head of the Center for Environmental Research, Universitas Negeri Papua (Since January 25<sup>th</sup> 2013 – September 14<sup>th</sup> 2016).
- Professor of Forest Botany and Forest Resources Sciences, Faculty of Forestry, Universitas Papua (Since October, 1<sup>st</sup> 2012 – present).
- Head of Forest Biology and Forest Protection Laboratory, Faculty of Forestry, Universitas Negeri Papua (Since June 2012 – January 25<sup>th</sup> 2013).
- Secretary for Forestry Study Program, the Graduate Schools of Universitas Negeri Papua (Since June 2010 – June 2012).

- Senior advisor of Regional Planning and Development Bureau (BAPPEDA), the Provincial Government of West Papua (since January 2010 – January 2017).
- Lecturer, Faculty of Forestry, Universitas Papua, Manokwari (since February 1998).
- Researcher in Herbarium Manokwariense, Biodiversity Study Centre, Universitas Cenderawasih (January 1997 – February 1998).
- Placement student, Flora diversity in Raja Ampat Islands, Herbarium Manokwari, UNCEN (June 1996 – January 1997).

#### **ACADEMIC RECORD:**

- Postdoctoral (2011), the Royal Botanic Gardens, Kew, UK: “Old World Palms Projects”.
- PhD (2009), Institut Pertanian Bogor, Bogor, West Java, Indonesia and the Royal Botanic Gardens, Kew, UK. Suma cum laude. Dissertation titled “Systematic and Evolution of palm genus *Areca* L.”
- MSc (2006), Institut Pertanian Bogor, Bogor, West Java, Indonesia. Plant Taxonomy. Pass with Distinction. Thesis titled “A monograph of palm genus *Cyrtostachys* Blume”.
- BSc in Forestry (1997), Faculty of Agriculture, Universitas Cenderawasih, Manokwari, West Papua, Indonesia. Final year dissertation: “Ecology and demography aspect of the fish-tail palm *Sommieria leucophylla* Becc. in Sayal, Sorong, Papua”.

#### **SELECTED TRAINING COURSES:**

- 1998: Biological Concepts and Methods in Teaching Practice. Directorate of High Education Indonesia Ministry of Education and Cultural. ITB Bandung.
- 1999: Palm Taxonomy Training Course. GEF World Bank & LIPI. Bogor.
- 2000: Plant Systematics, Herbarium and Botanic Gardens Management – in house training at the Royal Botanic Gardens, Kew, UK.
- 2007: Field Biology and Ecological Training Course. CTFS, Arnold Arboretum, Harvard University & China Academy of Sciences. Xsitsuangbana Tropical Botanic Garden, China.
- 2013: IUCN Red List Category and Criteria Assessor Training Course. IUCN & Bogor Botanic Gardens – LIPI. Bogor.
- 2016: Professional Certification Competency Assessor Training Course. National Council for Professional Certification of Indonesia (BNSP).

#### **TEACHING EXPERIENCES:**

Teaching several subjects in Faculty of Forestry, Faculty of Agriculture, Faculty of Mathematics and Natural Sciences, and the Graduate Schools of UNIPA (since 1998), such as General Biology, Biology, Botany, Forest Botany, Plant Taxonomy, Forest Ecology, Biodiversity, the Management of Conservation Areas, Plant Conservation, Biogeography, Research Methodology, Economic Botany and Environmental Sciences. Plant Identification and Tree ID course in Forestry Service in Tanah Papua (2006). Also teaching the Development and Environment as a subject in the Master Program Courses in Environmental Science of the Graduate Schools of UNIPA (Since 2014).

#### **STADIUM GENERAL (INVITED LECTURES) AND SCIENTIFIC SPEECHES:**

- 2010 (November, 3<sup>rd</sup> 2010): Inauguration of University of Papua, Manokwari, West Papua, Indonesia.
- 2013 (February, 20<sup>th</sup> 2013): Initial speech of the Professorships at University of Papua.
- 2016 (March, 10<sup>th</sup> 2016): the Law College of Bintuni – the Caritas Foundation, Manokwari, West Papua, Indonesia.

(April, 13<sup>th</sup> 2016): the Environmental Study Program, Graduate Schools of Diponegoro University, Semarang, Central Java, Indonesia.

(November, 3<sup>rd</sup> 2016): Keynote speaker at Lokakarya and Seminar Nasional Graduate Schools of Cenderawasih University, Jayapura, Papua, Indonesia.

#### **FIELDWORK EXPERIENCES:**

(1996): Flora Exploration to Salawati and Batanta Island, Sorong, Irian Jaya, conducted by the Biodiversity Study Centre of Universitas Cenderawasih (PSKH UNCEN).

(1997): Flora Expedition to Waigeo Island, Sorong, Irian Jaya, conducted by PSKH UNCEN.

(1998 January): Data Base Survey to Management Planning of the Lorentz National Park, conducted by Irian Jaya Forestry Service and Environmental Study Centre of Cenderawasih University (PSL UNCEN).

(1998 February–April): Mt. Jaya Expedition (Botanical Expedition on the concession area of PT. Freeport Indonesia Timika), sponsored by PT. Freeport Indonesia, Rio Tinto, Royal Botanic Gardens (RBG) Kew, Indonesian Institute of Sciences (LIPI) and PSKH UNCEN.

(1998 August): Palms Expedition to the Cyclops Mountains, sponsored by John D. and Catherine T. MacArthur Foundation, RBG Kew, UK and PSKH UNCEN.

(1999 January): Program Evaluation of Agroforestry Project in the Nabire Protected Areas, sponsored by Irian Jaya Forestry Service and PSL UNCEN.

(1999 February): Flora Expedition to Japen Island, Irian Jaya, PSKH UNCEN.

(2000 February): Palms Expedition to Wandamen Peninsula and Wosimi River, sponsored by RBG Kew, LIPI and PSKH UNCEN.

(2000 November): Study of Structure and Composition of Epiphytes, Lianas, Herbs and Shurbs on the PT. Freeport Indonesia Concession Area, sponsored by PT. Hadfindo Prima, PT. Freeport Indonesia and Forestry Department of UNCEN.

(2001 January–February): Palms Expedition to Nabire area and Jamur Lake, sponsored by the Biodiversity Centre of Universitas Papua (PSKH UNIPA), and RBG Kew.

(2002 January): Palms Expedition to Misool Island, Sorong, PSKH UNIPA funded by International Palms Society, Florida Chapter, USA.

(2002 March): Palms Expedition to Tami River, Jayapura, sponsored by British American Tobacco (BAT), RBG Kew, and PSKH UNIPA – Palms of New Guinea Project.

(2002 June): the Biodiversity Survey to Tamrau Natural Reserve, conducted by Forestry Research and Development Agency (FORDA).

(2002 November): the soil, vegetation and social economic surveys in the Merdey District, Manokwari, West Papua. Sponsored by Manokwari Forestry Service, the Local Government of Manokwari and Forestry Department of UNIPA.

(2003 February): Palms exploration to Teminabuan, South of Sorong, sponsored by BAT, RBG Kew – Palms of New Guinea Project.

(2003 June–July): Flora expedition to Japen Island, sponsored by the Local Government of Japen Island.

(2004 July): Flora expedition to Japen Island; the Bogor Botanic Gardens of LIPI and Department of Energy and Mineral Resources Republic of Indonesia.

(2005 January–February): Botanical expedition to Arso (Jayapura), Japen Island and Manokwari area – MSc Thesis project.

(2005 October): Botanical expedition (*Pandanaceae*) to Baliem valley, Wamena sponsored by Indonesian Ministry of Forestry and FORDA.

(2005 November): Botanical expedition (*Pandanaceae*) to Cyclops Mts., Arso and Jayapura, sponsored by Indonesian Ministry of Forestry and FORDA.

(2005 December): Botanical expedition (*Pandanaceae*) to Warsamson River and Sorong, sponsored by Indonesian Ministry of Forestry and FORDA.

(2006 July): Botanical expedition to Gag Island, Raja Ampat Islands, Western New Guinea, sponsored by RBG Kew and FORDA.

- (2006 August): Botanical expedition to Wosimi Basin, Wondama. Sponsor by Royal Botanic Gardens Kew and FORDA.
- (2008 February–March): Botanical Expedition to North Coast of Western New Guinea (Jayapura, Yapen Island, Manokwari, Sorong) and North Sulawesi (Bilato-Gorontalo, Dumoga Nani Warta Bone National Park). Sponsored by RBG Edinburgh, LIPI, and UNIPA.
- (2008 April): *Areca* expedition to Sarawak, Malaysia. Sponsored by RBG Kew, BRC Sarawak Forestry Company and Institut Pertanian Bogor (IPB). Funded by International Palm Society – PhD thesis project.
- (2009 January–March): Botanical Expedition to Arfak Mountains, Wissel Lakes, and Japen Island. Sponsored by RBG Edinburgh, LIPI, FORDA, UNIPA, and IPB.
- (2009 July–August): Botanical Expedition to Biak Island. Sponsored by RBG Kew, LIPI, IPB, UNIPA.
- (2009 October): Botanical Expedition to Sarmi, Papua. Sponsored by FORDA.
- (2010 May): Botanical Expedition to Sorong, Papua. Sponsored by FORDA.
- (2010 July): HCVF assessments in PT. Manokwari Mandiri Lestari, Bintuni, Papua Barat. Sponsored by The Forest Trust (TFT).
- (2010 September – October): Study of the Non Timber Forest Products in Arguni Bay, Kaimana. Sponsored by Fahutan UNIPA and The Local Government of Kaimana (Forestry Service).
- (2011 February): Initial Survey to Maba – Ferro Nickel Project, East Halmahera, Maluku Utara. (PT. Ekologika Consultants, PT. GRM and Solway International).
- (2011 September – October): Flora and Fauna Survey on Gam Island, Raja Ampat, West Papua. PT. Hasta Mulya Tata Konsultan and Local Government of Kabupaten Raja Ampat (Forestry Service).
- (2011 November – December): Master plan of Taman Hutan Raya (Botanic Gardens) Tuwanwowi, Manokwari. Provincial Government of West Papua (Forestry and Plantation Bureau).
- (2012, 4 – 26 January): HCV survey (botanical survey) on logging concession area of PT. Gema Hutani Lestari, Buru Island, Moluccas. PT. Ekologika Consultants and PT. Gema Hutani Lestari.
- (2012, February): Environmental Impact Analysis on the planning site of sugar cane plantation of PT. Menara Group, Aru Islands, Maluku.
- (2012, March): Review on twenty years botanical exploration on PT. Freeport Indonesia contract of work area, Timika, Papua. PT. Freeport Indonesia and UNIPA.
- (2012, October): Master plan of Forestry Development of Tamrau Regency, Tamrau Mts. the Local Government of Tamrau Regency and UNIPA.
- (2012, November): Ecological and Cultural Study on the Planning Site of Biodiversity Park in Numfor Island, Papua. The Natural Resources and Environmental Management Agency of Provincial Government of Papua and UNIPA.
- (2012, November): Design and Vegetation Mapping on the Planning Site of Biodiversity Park in Numfor Island, Papua. The Natural Resources and Environmental Management Agency of Provincial Government of Papua and UNIPA.
- (2013, January): Palm Expedition to the Tamrau Mountains, West Papua. Royal Botanic Gardens, Kew, UK and UNIPA.
- (2013, February): Management Plan of the Youtefa Bay Tourism Park, Jayapura, Papua (site visit). Institute for Conservation of Natural Resources Region Papua, Ministry of Forestry and Faculty of Forestry UNIPA.
- (2013, March): Oil and Gas sites visits in Balikpapan Area, East Kalimantan. Total E & P Indonesia and the Centre for Environmental Research of UNIPA.
- (2013, May): Master plan for Development the Biodiversity Park in Numfor Island, Papua. The Natural Resources and Environmental Management Agency of Provincial Government of Papua and UNIPA.
- (2013, June): Establishment permanent plots in the primary lowland rain forest on Mayalibit Bay, Waigeo Island, Raja Ampat. CTFS - Harvard University, LIPI and UNIPA.

- (2014, April): Site visit and data collection in Gunung Meja and Arboretum UNIPA, Manokwari, West Papua to support establishment of West Papua Biodiversity Park. Board of Management and Control of Environmental Impact Provincial Government of West Papua and the Centre for Environmental Research of UNIPA.
- (2014, May): External Environmental Audit – Biodiversity in PT. Freeport Indonesia CoW, Timika, Papua. Montgomery Watson Harza (MWH) and PT. LAPI ITB.
- (2014, September): Masterplan for Development the Botanic Garden in Koya Kosso, Jayapura. The Forestry Service, Provincial Government of Papua and Forestry Department of UNIPA.
- (2014, November): Lengguru Expedition 2014, Kaimana, West Papua. LIPI, IRD France, APSOR, UNIPA, UNCEN, MUSAMUS.
- (2015, June): Yamor Lake Expedition 2015, Kaimana, West Papua. Government Regency of Kaimana and the Centre for Environmental Research of UNIPA.

**VISITING HERBARIA, BOTANIC GARDENS AND/OR OTHERS (INTERNATIONAL TRAVEL):**

Aarhus & Copenhagen, Denmark (2007, 2008); California, USA (San Fransisco – September & Santa Barbara – November) (2018); Florence, Italy (2008); Lae, PNG (2000); Leiden, the Netherlands (2007, 2012); Manila & Los Banos, the Philippine (2004); RBG Kew, UK (2000, 2003, 2005, 2007, 2008, 2011, 2013, 2016); RBG Edinburgh, UK (2005, 2007, 2008, 2016); Sidney, Canberra & Melbourne, Australia (2000, 2014); Xsi tshuang banna (XTBG) & Kunming, China (2007); Moscow, Russia (2014); Istanbul, Turkey (2014); Nandi, Fiji (2014); Noumea, New Caledonia (2015): and Singapore (2010, 2012).

**ATTENDING AND PRESENTING IN INTERNATIONAL SEMINARS, SYMPOSIA, WORKSHOPS AND CONFERENCES:**

- 1996: The 2<sup>nd</sup> Biological Society Meeting and Taro Symposium at the Agriculture Faculty UNCEN Manokwari, Irian Jaya – Indonesia.
- 1999: The 1<sup>st</sup> Biological Conference of New Guinea at the UNCEN Jayapura, Irian Jaya, Indonesia.
- 2000: The 2<sup>nd</sup> Biological Conference of New Guinea at the Wau Ecological Institute, Papua New Guinea.
- 2001: The Conference of Resource Tenure, Forest Management, and Conflict Resolution: A Perspective from Borneo and New Guinea at the Australian National University, Canberra, Australia.
- 2001: The 5<sup>th</sup> International Flora Malesiana Symposium at the Royal Botanic Gardens Sydney, Sydney, Australia.
- 2004: The 6<sup>th</sup> International Flora Malesiana Symposium at the University of Los Baños, the Philipines.
- 2005: The EUNOPS Meeting at Royal Botanic Gardens Kew, UK.
- 2005: The 1<sup>st</sup> World Palm Conference, Royal Botanic Gardens, Kew and the Linnean Society of London.
- 2007: The 7<sup>th</sup> International Flora Malesiana Symposium at the Nationaal Herbarium of Nederland, Leiden, the Netherlands.
- 2008: The Monocots IV Conference and 5<sup>th</sup> Grass Symposium at University Copenhagen, Copenhagen, Denmark.
- 2009: The 1<sup>st</sup> International Papua Biodiversity Conference on Sustainable Development, Jayapura, Papua, Indonesia.
- 2010: The 8<sup>th</sup> International Flora Malesiana Symposium at Singapore Botanic Gardens, Singapore.
- 2013: The 37<sup>th</sup> Indonesia Petroleum Association Convention and Exhibition 2013, Jakarta, Indonesia.
- 2013: The 9<sup>th</sup> International Flora Malesiana Symposium at Indonesia Institute of Sciences (LIPI) Bogor, Indonesia.
- 2014: International Conference on Oceans and Rivers 2014, Fiji National University, Fiji.

- 2014: Indonesia-Russia Agriculture Investment Fair 2014, Moscow, Russia.
- 2014: Indonesia-Australia Educational Tourism Business Gathering 2014, Melbourne, Australia.
- 2016: The 10<sup>th</sup> International Flora Malesiana Symposium at Royal Botanic Garden Edinburgh, Edinburgh, Scotland, UK.
- 2016: International Conference on Biodiversity, Eco-Tourism and Creative Economy Papua 2016, Jayapura, Papua, Indonesia.
- 2018: Oslo Tropical Forest Forum, Oslo, Norway.
- 2018: the Governor Climate and Forest Task Force Annual Meeting and Global Climate Action Summit 2018, San Fransisco, USA.
- 2018: International Conference on Biodiversity, Eco-Tourism and Creative Economy Papua 2018, Manokwari, West Papua, Indonesia.
- 2018: SPARC Workshop, UCSB, Santa Barbara, California, USA.

#### SELECTED INTERNATIONAL PUBLICATIONS:

- William J Baker, Ary Prihardhyanto Keim & **Charlie D. Heatubun**. 2000. *Orania regalis* Rediscovered. **Palms 44: 166–169**.
- John Dransfield, Gregori G. Hambali, Rudi A. Maturbongs & **Charlie D. Heatubun**. 2000. *Caryota zebrina*. **Palms 44: 170–174**.
- Charlie D. Heatubun**. 2000. In Search of *Caryota zebrina* – A Palm Expedition to the Cyclops Mountains. **Palms 44: 187–193**.
- Charlie D. Heatubun**. 2002. A Monograph of *Sommeria* (*Arecaceae*). **Kew Bulletin 57: 559–611**.
- Charlie D. Heatubun**. 2005. Rediscovered of Beccari's *Nengella flabelata*. **Folia Malaysiana 6: 27–34**.
- William J. Baker, Scott Zona, **Charlie D. Heatubun** & Rudi A. Maturbongs. 2006. *Dransfieldia* (*Arecaceae*) – A new palm genus from Western New Guinea. **Systematic Botany 36: 60–68**.
- Charlie D. Heatubun**. 2008. New species of *Areca* (*Arecaceae*) from Western New Guinea. **Palms 52: 198–202**.
- Charlie D. Heatubun** & Anders Barfod. 2008. Two new species of *Licuala* (*Arecaceae*; *Coryphoideae*) from Western New Guinea. **Blumea 53: 429–434**.
- Charlie D. Heatubun**, William J. Baker, Madeline M. Harley, Johanis P. Moge, Sri S. Tjitroesoedirdjo & John Dransfield. 2009. A monograph of *Cyrtostachys* (*Arecaceae*). **Kew Bulletin 64: 67–94**.
- Anders Barfod & **Charlie D. Heatubun**. 2009. Two new species of *Licuala* (*Arecaceae*; *Coryphoideae*) from North Mollucas and Western New Guinea. **Kew Bulletin 64: 553–557**.
- Charlie D. Heatubun**. 2011. Seven new species of *Areca* (*Arecaceae*). **Phytotaxa 28: 6–26**.
- Charlie D. Heatubun**. 2011. A new species of *Ptychosperma* from Halmahera, North Moluccas. **Palms 55: 183–189**.
- Charlie D. Heatubun**, John Dransfield, Thomas Flynn, Johanis P. Moge, Sri S. Tjitroesoedirdjo & William J. Baker. 2012. A monograph of Betel Nut Palms (*Areca*: *Arecaceae*) of East Malesia. **Botanical Journal of Linnean Society 168: 147–173**.
- Charlie D. Heatubun**, Lauren M. Gardiner & William J. Baker. 2012. *Heterospathe elata*, the new record for the New Guinea Islands. **Palms 56: 61–64**.
- Charlie D. Heatubun**. 2012. Seven Recently Described Species of *Areca* (*Arecaceae*). **Folia Malaysiana 13: 59–84**.
- William J. Baker & **Charlie D. Heatubun**. 2012. New Palms from Biak and Supiori, Western New Guinea. **Palms 56: 131–150**.
- Charlie D. Heatubun**, Marthinus P. Iwanggin & Victor I. Simbiak. 2013. A new species of betel nut palm (*Areca*: *Arecaceae*) from Western New Guinea. **Phytotaxa 154: 59–64**.
- Charlie D. Heatubun**, John Dransfield, Rafael Govaerts & William J. Baker. 2014. (2279) Proposal to reject the name *Areca glandiformis* (*Arecaceae*). **Taxon 63: 434–435**.

- Charlie D. Heatubun**, Krisma Lekitoo & Onasius P. Matani. 2014. Palms on the Nickel Island: An expedition to Gag Island, Western New Guinea. **Palms** **58**: 115–134.
- Charlie D. Heatubun**, Scott Zona & William J. Baker. 2014. Three new genera of arecoid palm (Arecaceae) from eastern Malesia. **Kew Bulletin** **69**: 9525. DOI 10.1007/512225-014-9525-X.
- Charlie D. Heatubun**, Scott Zona & William J. Baker. 2014. Three new palm genera from Indonesia. **Palms** **58**: 197–202.
- Mark Hughes, Sadie Barber, **Charlie D. Heatubun** & Janet Gagul. 2015. *Begonia yapenensis* (sect. *Symbegonia*, Begoniaceae), a new species from Papua, Indonesia. **European Journal of Taxonomy** **119**: 1–6. <http://dx.doi.org/10.5852/ejt.2015.119>.
- Martin W. Callmander, Ary P. Keim, **Charlie D. Heatubun**, Peter Homot & Sven Buerki. 2016. Lifting the curtain on our knowledge of New Guinean *Benstonea* (Pandanaceae). **Phytotaxa** **275**: 168–174. <http://dx.doi.org/10.11646/phytotaxa.275.2.8>.
- Charlie D. Heatubun**. 2016. *Areca jokowi*: A new species of Betel Nut Palm (Arecaceae) from Western New Guinea. **Phytotaxa** **288**: 175–180. <http://dx.doi.org/10.11646/phytotaxa.288.2.8>.
- Iain Darbyshire, Seona Anderson, Anna Asatryan, Andrew Byfield, Martin Cheek, Colin Clubbe, Zeineb Ghrabi, Timothy Harris, **Charlie D. Heatubun**, James Kalema, Sékou Magassouba, Ben McCarthy, William Milliken, Bertrand de Montmollin, Eimear Nic Lughadha, Jean-Michel Onana, Doumbouya Saïdou, Anca Saîrbu, Krishna Shrestha, & Elizabeth A. Radford. 2017. Important Plant Area: revised selection criteria for a global approach to plant conservation. **Biodiversity Conservation**. DOI 10.1007/s10531-017-1336-6.
- Charlie D. Heatubun**, Peter Petoe & William J. Baker. 2018. A monograph of Nenggela Group of Hydriastele (Arecaceae). **Kew Bulletin**. DOI 10.1007/S12225-018-9743-8.
- William J. Baker, **Charlie D. Heatubun** & Peter Petoe. 2018. New Finds in New Guinea Hydriastele. **Palms** **62**: 145–154.
- Peter Petoe, **Charlie D. Heatubun** & William J. Baker. 2018. A monograph of *Hydriastele* (Arecaceae) in New Guinea and Australia. **Phytotaxa** **370**: 1–92.
- Andre Schuitemann, Ed de Vogel, **Charlie D. Heatubun**, Jimmy F. Wanma, Pilep Mambor, Daawia Suhartawan & Eline Hoogendijk. 2018. *Bulbophyllum irianae* and *B. adolinae* (Orchidaceae: Dendrobiinae), two new species of sections Hoplandra and Peltopus from Indonesian New Guinea. **Orchideenjournal** **6**: 1–13.
- Francis Brearly, Wahyu Adinugroho, Rodrigo Camara-Leret, Haruni Krisnawati, Lani Qie, Thomas Smith, Fitri Aini, Fabien Garnier, Alicia Ledo, Nurul Lestari, Muhammad Mansur, Agustinus Murdjoko, Satria Oktarita, Emma Soraya, Hesti Lestari Tata, Tatang Tiryana, Liam Trethowan, Charlotte Wheeler, Muhammad Abdullah, Aswandi Aswandi, Benjamin Buckley, Elena Cantarello, Rosalie Dench, Iswan Dunggio, Hendra Gunawan, **Charlie D. Heatubun**, Diah Irawati, Istomo Istomo, Tajudin Edy Komar, Relawan Kuswandi, Zaenal Mutaqien, Sunitha Pangala, Ramadhanil Pitopang, Prayoto Prayoto, Antun Puspanti, Muhammad Qirom, Andes Rozak, Asep Sadili, Ismayadi Samsuodin, Endah Sulistyawati, Siti Sundari, Sutomo Sutomo, Agustinus Tampubolon & Campbell Webb. Opportunities and challenges for an Indonesian forest monitoring network. **Forests**. (Submitted).

#### BOOKS:

- Krisma Lekitoo, Piter Matani, Herman Remetwa and **Charlie D. Heatubun**. 2008. Seri Panduan Lapangan Keanekaragaman Flora Gunung Meja: Jenis-Jenis Pohon (bagian 1). (Indonesian for the serial field guide to the flora diversity of Gunung Meja: tree species (part -1). Balai Penelitian Kehutanan Manokwari. ISBN 979-25-3331-1.
- Krisma Lekitoo, Piter Matani, Herman Remetwa and **Charlie D. Heatubun**. 2008. Jenis-Jenis Buah Yang Dapat Dimakan Di Taman Wisata Alam Gunung Meja, Manokwari, Papua Barat. (Indonesian for the Edible Fruits of Gunung Meja, Manokwari, West Papua). Balai Penelitian Kehutanan Manokwari. ISBN 979-25-3333-8.

Krisma Lekitoo, Ezrom Batorinding, Permenas A. Dimomonmau, Wilson F. Rumbiak, **Charlie D. Heatubun** and Hanro Y. Lekitoo. 2012. Re-diversifikasi Pangan Di Tanah Papua: Pemanfaatan Enam Jenis Tumbuhan Hutan Penghasil Buah Sebagai Bahan Pangan di Tanah Papua. 2012. Badan Penelitian dan Pengembangan Kehutanan, Kementerian Kehutanan Republik Indonesia, Jakarta. ISBN 978-979-8452-51-2.

**Charlie D. Heatubun**, Noak Kapisa, Yohanis Y. Rahawarin, Jimmy F. Wanma, Jonni Marwa, Obed N. Lense, Johan F. Koibur, Erwin Renggong, Marthen Marisan, John H. Mampioer and George M. B. Paiki. 2013. Taman Kehati Pulau Numfor: Potensi, Nilai dan Strategi Pelestarian Keanekaragaman Hayati Papua. Badan Pengelola Lingkungan Hidup Provinsi Papua, Jayapura. ISBN 978-602-71793-3-2.

**Charlie D. Heatubun**, Piter Matani and Victor Simbiak. **Inpress**. Tumbuhan di Pulau Gam, Kepulauan Raja Ampat (Indonesian for the Plants of Gam Island, Raja Ampat Islands). Dinas Kehutanan Kabupaten Raja Ampat dan Universitas Negeri Papua.

#### **EDITOR AND REVIEWER IN SCIENTIFIC JOURNALS:**

Phytotaxa, Journal of the International Palm Society (Palms), Banwa (University of the Philippines Mindanao), Jurnal Manajemen Hutan Tropika (Bogor Agricultural University & Association of Indonesian Forestry Scientist – IPB & PERSAKI), Biodiversitas (Journal of Indonesia Biodiversity Society), BioCelebes (Faculty of Mathematics & Natural Sciences of Tadulako University), Agricola (Journal of Agriculture of Musamus University), Kehutanan Papuaasia.

#### **REVIEWER IN FUNDING ORGANIZATIONS:**

Internal Reviewer of Universitas Papua, Internal and External Reviewer for the Ministry of Research Technology and Higher Education of Republic Indonesia, National Geographic Society (USA).

#### **ASSESSOR AND CERTIFICATE OF COMPETENCY HOLDER:**

Assessor for IUCN Red List Category and Criteria, International Union for Conservation Nature. Assessor for Professional Certification Competency (National Council for Professional Certification of Indonesia - BNSP) and LSP – LHI.

Holder of the competency-certificate for the member of AMDAL (Environment Risk Analysis) Team (Anggota Tim Penyusun AMDAL).

#### **MEMBERSHIPS:**

(Since 2008): Member of International Association of Plant Taxonomy (IAPT).

(Since 2011): Member of American Society of Plant Taxonomy (ASPT).

(Since 2008): Member of Systematics Association (SYSTASS).

(Since 2008): Member of International Palm Society (IPS).

(Since 2004): Member of Palm Specialist Group, Species Survival Commission of International Union for Conservation of Nature (PSG-SSC IUCN).

(Since 1998): Member of Biological Society of New Guinea.

(Since 2000): Member of Indonesian Plant Taxonomy Association (PTTI).

(Since 2010): Member of Society of Indonesian Biodiversity (MBI).

(Since 2013): Member of the Board of the Flora Malesiana Foundation.

(Since 2013): Member of the Fresh-Water Plant Specialists Group, Species Survival Commission of International Union for Conservation of Nature (FWPSG-SSC IUCN).

#### **NOMINATION, AWARDS AND GRANTS:**

1993: Supersemar Scholarships Award (BSc study).

2000: Darwin Fellow to Royal Botanic Gardens Kew.



- 2003: BPPS Scholarships Award from Indonesia Ministry of Education (MSc study).
- 2006: BPPS Scholarships Award from Indonesia Ministry of Education (PhD study).
- 2006: PhD Scholarships Award from Royal Botanic Gardens Kew, UK.
- 2007: Travel Grant Award, Kostermans Fund from Flora Malesiana Foundation and Leiden University (Euro 1000).
- 2007: Beasiswa Unggulan Travel Grant Award from Indonesia Ministry of Education (USD 1500).
- 2007: IPS Endowment Fund 2007 from International Palm Society (USD 2250).
- 2008: the Fellow of Linnean Society (FLS). The Linnean Society of London, UK.
- 2009: Hibah Doktor, PhD Research Grant Award, from Institut Pertanian Bogor (USD 2300).
- 2009: the Best PhD Graduate of Institut Pertanian Bogor, Indonesia and the Royal Botanic Gardens Kew, UK.
- 2010: IPS Endowment Fund 2010 from International Palm Society (USD 5000).
- 2011: Bentham-Moxon Trust (GBP 3900).
- 2011: The best lecturer at Faculty of Forestry of Universitas Papua.
- 2011: The best lecturer at Universitas Papua.
- 2012: International journal publication grant award from DIKTI, Indonesian Ministry of Education and Cultural (USD 3130).
- 2013: Travel Grant and Sponsorship from Total Indonesia E & P to Indonesia Petroleum Association Exhibition and Symposium 2013.
- 2013: Travel Grant and sponsorship of the Board of Flora Malesiana Foundation.
- 2013: Bentham Moxon Trust 2013 (GBP 4000).
- 2013: IPS Endowment Fund 2013 from International Palm Society (USD 6632).
- 2014: Nomination as candidate for the Minister of Environment for President Joko Widodo cabinet based on the public survey.
- 2016: Bentham Moxon Trust 2016 (GBP 3500).

#### EPONYMY:

- 2017: *Calamus heatubunii* W.J.Baker & J.Dransf. – **Phytotaxa 305: 68 (2017)**.

#### MSC AND PHD'S STUDENT (NON UNIPA STUDENTS):

- 2015–2018: Rani Asmayani – *Phylogenetic relationships in Malesian-Pacific Piper and their implications for systematics*. PhD. University of Missouri – Saint Louis (UMSL), USA. **Field Supervisor**.
- 2016: Relawan Kuswandi – *Growth Dynamics of Residual Stands and Yield Regulation in Logged-Over Forest of Logging Concessions in Papua*. PhD. Universitas Gajah Mada (UGM), Yogyakarta, Indonesia. **External Examiner**.
- 2016–2019: Randy Agusti – *Pinanga of Kalimantan*. MSc. Institut Pertanian Bogor (IPB), Bogor, Indonesia. **Co-Supervisor**.
- 2017: Agustinus Murdjoko – *Structural Dynamics of Logged-Over Forest in Southern Lowlands of Papua*. PhD. Universitas Gajah Mada (UGM), Yogyakarta, Indonesia. **External Examiner**.
- 2017: Wendy Ahmad Mustaqin – *Diplycosia (Ericaceae) of New Guinea: A taxonomic revision and assessment of conservation status*. MSc. Institut Pertanian Bogor (IPB), Bogor, Indonesia. **Co-Supervisor** (in progress).
- 2018: Batseba Suripatty – *Ecology and Productivity of Sago Palm in Its Natural Habitat in Papua*. PhD. Universitas Gajah Mada (UGM), Yogyakarta, Indonesia. **External Examiner**.
- 2018: Low Yee Wen – *Molecular Phylogenetics Analysis of Southeast Asian Syzygium (Myrtaceae), including a taxonomic review of the genus for the Bird's Head Peninsula, Indonesian New Guinea*. PhD. University of Aberdeen, Scotland, UK. **Co-Supervisor** (in progress).

**OTHERS DUTY TO REGIONAL PLANNING AND DEVELOPMENT (IN SUPPORTS OF THE LOCAL GOVERNMENTS – PROVINCIALS AND REGENCIES OR MUNICIPALITY - CONSULTANCY) – NON STRUCTURAL POSITION:**

- 2003: Member of Academic Team to established New Province – Irian Jaya Barat (now Papua Barat).
- 2003: Member of Academic Team to established Manokwari as capital of the Irian Jaya Barat Province (now Papua Barat).
- 2010: Facilitator to arrange National Meeting about Special Otonomy in Tanah Papua, collaboration between Kementerian MENKOPOLHUKAM, UNIPA dan Pemda Provinsi Papua Barat.
- 2010–Now: Senior Advisory (Staff Ahli) to BAPPEDA Provinsi Papua Barat.
- 2011: Member of Task Force of West Papua Province Low Carbon Development (REDD+ and Climate Change).
- 2011: Consultant for design a Master Plan of Acceleration and Development in West Papua Province 2011–2015.
- 2011: Consultant for the Master Plan of West Papua Forest Park (Taman Hutan Raya – TAHURA).
- 2012: Trades, Arts and Cultures mission to Netherlands. Provincial Government of West Papua and FLORIADE 2012.
- 2012: Consultant for the detail plan of West Papua Forest Park (Taman Hutan Raya – TAHURA).
- 2012: Consultant for the Action Plan of Economic Corridors (MP3EI) in West Papua Province.
- 2012: Consultant for the Identification of Economic Creative Sector in West Papua Province.
- 2012: Consultant for the Action Plan of Reduction Green House Gas Emission (RAD GRK) West Papua Province.
- 2012: Consultant for the Strategic and Action Plan of Reduction Emission from Deforestation and Forest Degradation (SRAP REDD+) West Papua Province.
- 2012: Consultant for the Master Plan of Forestry Development in Tamrau Regency.
- 2012: Team Leader for the Management Planning of the Yotefa Bay Tourism Park, Jayapura, Papua.
- 2012: Team Leader for the Planning Strategic and Development of the Biodiversity Park in Numfor Island, Papua.
- 2013: Team Leader for Grand Strategic Document of the Natural Resources Management and Environmental Protection in Papua Province.
- 2013: Team Leader for the Planning Strategic and Development of the Biodiversity Park in Numfor Island, Papua (continue).
- 2013: Team Leader for Academic Study for Establishment A New Municipality Manokwari (Kota Manokwari) as A New Autonomous Regency in West Papua Province.
- 2013: As Head of the Research Centre – the person who in charge for the Various Environment Risk Assessment and Environment Monitoring (Total E&P Indonesia, BP Tangguh, Chevron, IKL/IKS, Perhutani, etc.).
- 2013: Team Leader for the Planning Strategic and Development of the Biodiversity Park in Manokwari, West Papua Province.
- 2013: Liaison Officer of UNIPA to Provincial Government of West Papua.
- 2014: Biodiversity Expert (Auditor) for PT. Freeport Indonesia External Environmental Audit 2014. The Montgomery-Watson-Harza (MWH) and PT. LAPI ITB.
- 2014: Team Leader for the Planning Strategic and Development of the Botanic Garden in Koya Koso, Jayapura, Papua Province.
- 2014: Member of the West Papua Province delegation to IAIF 2014 Moscow, Russia.
- 2014: Member of the West Papua Province delegation to Educational Tourism Seminar 2014, Melbourne, Australia.
- 2015: Senior Advisor for the Pegunungan Arfak's the House of Representative.
- 2015: Team Leader for Academic Paper to establishment of the Sir Alfred Russel Wallace Natural History Museum in Manokwari, West Papua.
- 2015: Member of Task Force to produce legislation of Papua Barat as the Conservation Province in Indonesia.

- 2015: Team Leader to Academic Paper for the Alien and Invasive Plant Species Control and Eradication in Lakes and Rivers of Kaimana Regency, West Papua.
- 2015: Member of Official Delegation of the Provincial Government of West Papua Province to Melanesian Spearheaded Group (MSG) Trade Meeting and Exhibition in Noumea, New Caledonia.
- 2016: Chairman of the West Papua Province Commission for Genetics Resources.
- 2016: Chairman of the Steering Committee of International Conference on Biodiversity, Eco-Tourism and Creative Economy Papua 2016, Jayapura, Indonesia.
- 2017: Member of the selection team for the Secretary of Kabupaten Teluk Wondama.

**NON-SCIENTIFIC ORGANIZATIONS:**

- 1993 – 1996: Ketua Sylva Indonesia Cabang Faperta UNCEN – Chairman of Indonesian Forestry Student Association at Faculty of Agriculture Cenderawasih University.
- 1991 – 1996: Anggota dan Aktivis Gerakan Mahasiswa Kristen Indonesia (GMKI) Manokwari – Member and activist of the Indonesian Christian Student Movement, Manokwari.
- 2012 – 2015: Wakil Ketua Bidang Penelitian dan Kajian Strategis Komite Nasional Pemuda Indonesia (KNPI) Dewan Pengurus Daerah Papua Barat – Vice Chairman for Strategic Research and Studies of the Indonesia National Youth Organization West Papua Provincial Council.
- 2014 – 2017: Ketua Bidang Kerjasama Federasi Olahraga Rekreasi Masyarakat Indonesia (FORMI) Papua Barat – Vice Chairman for Collaboration Affairs of the Federation of Indonesia Recreation Sport and Games in West Papua Province.
- 2015 – 2020: Ketua Komunitas Olah Raga Tradisional Indonesia (KOTI) Papua Barat – Chairman of the Community of Indonesian Traditional Sports and Games of West Papua Province.
- 2016 – 2019: Ketua Dewan Pimpinan Wilayah Ikatan Pengkaji Lingkungan Hidup Indonesia (INKALINDO) Papua Barat – the Chairman of Association for the Indonesian Environmental Researchers, West Papua Region.
- 2017 – 2019: Ketua Harian Federasi Olahraga Rekreasi Masyarakat Indonesia (FORMI) Papua Barat – Executive Chairman of the Federation of Indonesia Recreation Sport and Games in West Papua Province.

**PROFILE ON MEDIA COVERAGE:**

- 2012: “New to Nature No. 83: *Areca gurita*”. **The Observer** (London daily newspaper) 9<sup>th</sup> September 2012 p. 22.
- 2013: “UNIPA Lahirkan Satu Profesor Lagi”. **Cahaya Papua** (local daily newspaper) 23<sup>rd</sup> February 2013 p. 3.
- 2013: “Charlie Danny Heatubun: Hasilkan 20 temuan di bidang Botani”. **Honai** (regional magazine) in March edition, pp. 50–51.
- 2014: “Prof Charlie Danny Heatubun: Membuka Misteri Palem-paleman”. **Kompas** (the biggest Indonesia daily newspaper) 23<sup>rd</sup> September 2014.
- 2014: “Charlie Heatubun”. **Esquire Indonesia** (International Magazine – Indonesia branch) in December edition pp. 94–95.
- 2015: “Looking for Princes” – Outreach: Development of Indonesia’s Outlying Areas – Unearthing Nature. **Tempo English edition** (Indonesia biggest weekly magazine), 1<sup>st</sup> March 2015.
- 2016: “Profil: Prof. Dr. Charlie D. Heatubun”. **Swara Samboja** (Majalah Suara Konservasi). Vol. 5 no. 2, pp. 2–7.
- 2017: “Prof Dr Charlie Danny Heatubun MSi FLS, Penemu 40 Spesies Tumbuhan Baru: Penemu Pinang Jokowi hingga Pinang Mandacan”. **Radar Papua** (Regional daily newspaper), Wednesday, 07<sup>th</sup> June 2017, pp. 1 & 7.

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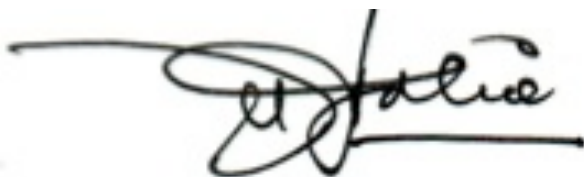
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and Center for Tropical Forest Science Smithsonian Institution,  
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I, Charlie Danny Heatubun, certify that this curriculum vitae is made by myself and the information contains are true.

Manokwari, 02<sup>nd</sup> November 2016



**(Prof. Dr. Charlie D. Heatubun, S.Hut, M.Si. FLS)**