

## Curriculum Vitae

Personal Information	
Title	Prof.
Name	Widjajalaksmi Kusumaningsih
Degree	Dr. dr., Sp.K.F.R., N.M. (K)., MSc.
Country	Indonesia
Affiliation	Department of Physical Medicine and Rehabilitation, Faculty of Medicine, University of Indonesia



## Education

- 1980 - Medical Doctor, Faculty of Medicine, Universitas Indonesia (FKU), Jakarta, Indonesia
- 1987 - One-Year Training in Rehabilitation Medicine, National University of Singapore and Tan Tock Seng Hospital, Singapore (WOC Scholarship)
- 1989 – Training in Rehabilitation Medicine as Research Fellow, Loma Linda University, California, USA
- 1990 - Residency Program in Physical Medicine and Rehabilitation, FKUI, Jakarta, Indonesia
- 1992 - Master of Science (MSc) in Physiology, Loma Linda University, California, USA (USAID Scholarship)
- 2005 - Doctorate, FKUI, Jakarta, Indonesia
- 2010 - Consultant in Neuromuscular Rehabilitation, Indonesian Collegium of Physical Medicine and Rehabilitation
- 2020 - Professor in Physical Medicine and Rehabilitation

## Academic Positions and Organizational Affiliations

- 2011 - Present: Member, World Federation for Neurorehabilitation
- 2016 - Present: Active Member, American Society of Neurorehabilitation (ASNR)

- 2017 - Present: Member, International Society for Prosthetics and Orthotics (ISPO)
- 2018 - Present: Member, International Society of Physical & Rehabilitation Medicine (ISPRM)
- 2018 Present: Member, Neuroscience and Brain Development Cluster, IMERI Faculty of Medicine, Universitas Indonesia
- 2020: Reviewer, The Indonesian Journal of Physical Medicine and Rehabilitation
- 2022 - Present: Head of Physical Medicine and Rehabilitation Residency Program, Faculty of Medicine, Universitas Indonesia
- 2022 - 2024: Expert Team (Peer Group), Neuromuscular Subspecialty, IKFRI
- 2023 - 2026: Expert, Central Executive Board, Indonesian Haji Medical Association(PERDOKHI)
- 2023 - 2024: Board Member, SIG Neuromuscular Rehabilitation, PP PERDOSRI
- 2023: Member, Revision Committee for Specialist Education Standards
- Corresponding Member: American Academy of Physical Medicine and Rehabilitation (AAPMR)

## Research Grants

- 2013- PDUPT Grant: Applied Higher Education Excellent Research Grant titled "Set Up Design, Development & Customized Manufacturing of Artificial Knee Joint Prosthesis Based on Rapid Prototyping (Case Study of Total Knee Replacement).
- 2017-2018 - PDUPT Grant: Basic Higher Education Excellent Research Grant titled Neuroplasticity in Phantom Limb Phenomenon After Limb Amputation Due to Trauma: Preliminary Study.'
- 2018-2019 - PDUPT Grant: Basic Higher Education Excellent Research Grant titled "The Effect of Combined Centella Asiatica Extract and Intermittent Fasting on Cognitive Function: A Study of AMPA Receptor, NMDA Receptor, and Synaptophysin Expression.'
- 2019 - PITTA Grant: Indexed International Publication Grant for Undergraduate Thesis, Universitas Indonesia, titled "The Role of Rehabilitation in Neuroplasticity as a Recovery Approach in Stroke Patients.
- 2022- Kemendikbud Ristek Basic Partnership Research Scheme (RKD): 'AI-Based E-Care System for Assisting Patients with Dementia

- 2023- Community Empowerment and Service Program Grant (PPM) Universitas Indonesia: 'Education for Long-Term Care in Palliative Patients at Puskesmas, Jakarta Province
- 2024 - Community Empowerment and Service Program Grant (PPM) Universitas Indonesia: 'Community-Based Rehabilitation: Long-Term Care Education for Palliative Patients at Puskesmas in DKI Jakarta Province, Sudinkes East Jakarta

### **Awards & Recognition**

- 2013 - Patent Granted for Socket Prosthesis for Above-Knee Amputation Made of Natural Fiber Composite and Its Manufacturing Process. Patent No: HKI-3-HI 05.02.046552 (Granted on November 11, 2013).
- 2016 - DIIB Award in the Intellectual Property - Registered Patent Category for "Polymer-Based Pattern Manufacturing Process in Investment Casting and Its Melting Process." Patent No: 001/P/HKI/2000 (Granted on February 11, 2016), Universitas Indonesia.
- 2017 - Top 50 Best Works at INDOHCF Innovation Awards 2017 in the Medical Device Innovation Category (Prosthesis).
- 2018 Certificate of Appreciation for Active Participation in Post-Earthquake Medical Rehabilitation Program in Lombok

- 2020 - Patent Certificate for "Polymer-Based Pattern Manufacturing Process and Its Melting Process in investment Casting." Patent No: IDP000070256 (Granted on August 3, 2020).
- 2023 - Patent Certificate for "Diaphragm Training Manual (Standard and Modified) and Its Measurement Method." Patent No: EC00202311324 (Granted on February 6, 2023).
- 2025 - Patent Certificate for "Senandung Raga di Atas Kursi Roda-Jakarta" Patent No: EC002025056925, (Granted on May 27, 2025)

### **Publications/Book Chapters**

- 2017 - Kusumaningsih W, Rachmayanti S, Werdhani RA. Relationship between risk factors and activities of daily living using modified Shah Barthel Index in stroke patients. J Phys Conf Ser. 2017;884:012151.
- 2018 - Kusumaningsih W, Purba JS, Bachtiar A. Referred phantom limbs sensation, telescoping, phantom limb pain and pre-amputation pain experience in adults traumatic limb amputee. Ann Phys Rehabil Med. 2018 Jul;61(Suppl):e379-80,
- 2018 Kusumaningsih W, Murdana N, Purba Wanarani A. Rehabilitation strategies after 2004 Aceh earthquake and tsunami disaster in Indonesia: Case report. Ann Phys Rehabil Med. 2018 Jul;61/(Suppl)e520

- 2018 - Kusumaningsih W, Purba J, Bachtiar A. Prosthesis use related to phantom limb phenomenon for better quality of life. *Adv Sci Lett*. 2018 Sep;24(9):6832-6.
- 2019 - Kusumaningsih W, Lestari NI, Purba H. The association between location of brain lesion and findings of flexible endoscopic evaluation of swallowing (FEES) in stroke patients: which exercise is beneficial? Presented at: KONAS XI and PIT XVII PERDOSRI; 2019 Mar.
- 2019 - Kusumaningsih W, Triangto K, Harris S. Gait turning patterns in chronic ischemic stroke males and its relationship to recovery: A cross-sectional study. *Medicine (Baltimore)*. 2019 Sep;98(38):e17210.
- 2019 - Kusumaningsih W, Lestari NI, Harris S, Tamin S, Werdhani RA. The effectivity of pharyngeal strengthening exercise, hyolaryngeal complex range of motion exercise, and swallowing practice in swallowing function of ischemic stroke patients with neurogenic dysphagia. *J Exerc Rehabil*. 2019 Dec;15(6):769-74.
- 2022 - Hong H, Kusumaningsih W, Kurniawan M, Friska D. Comparing the Graded Repetitive Arm Supplementary Program (GRASP) Exercise and Modified Constraint-Induced Movement Therapy (MCIMT) on the Upper Limb Function of Ischemic Stroke Patients: A Randomized Controlled Trial. In: The 6th Annual International Conference and

Exhibition on Indonesian Medical Education and Research Institute (6th ICE on IMERI) 2021. Nova Science Publishers; Chapter 4.

- 2022 - Hong H, Kusumaningsih W. Hand Dominance, Brain Lateralization, and BDNF Serum Level in Post-Stroke Patients: A Preliminary Study. In: The 6th Annual International Conference and Exhibition on Indonesian Medical Education and Research Institute (6th ICE on IMERI) 2021. Nova Science Publishers; Chapter 7.
- 2023- Mesiano T, Al Rasyid, Gayatri A, Kusumaningsih W, Witjaksono F, Herqutanto H, Amalia L, Karuniawan A, Andarwulan N, Harris S. Stability of anthocyanin content in various processed purple sweet potatoes. Acta Univ Agric Silvic Mendel Brun. Oct;71(6):21.
- 2024 - Setiawan Nasrun MW, Kusumaningrum P, Malik K, Kusumaningsih W, Harimurti K, Prawiroharjo P, Mardhiyah FS, Matanta RH, Lalenoh LAP, Kiasat SK. Technological acceptance and features needed in mobile health apps development for people living with dementia and their caregivers in Indonesia. Informatics for Health and Social Care. 2024;49(2):99-115n
- And numerous contributions as primary author, co-author, and reviewer in both national and international peer-reviewed journals.