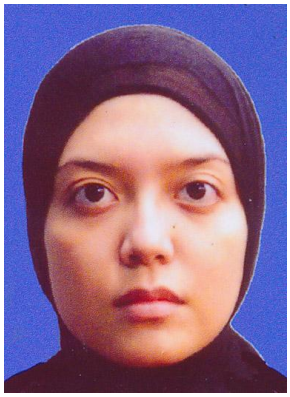

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Research Interest: Alzheimer's disease, cerebral amyloid angiopathy, vascular biology, neurodegenerative diseases, mental health issues, cell death

Research Highlights:

- Development of image-based measurement of amyloid-beta using SimplePCI6 software
- The relationship between Islam and various aspects of neuroscience; particularly sleep and autism
- Mechanisms of cell death in cerebral amyloid angiopathy and Alzheimer's disease

Representative publication:

- (*Submitted, not published yet*) Tumiran, M.A., Ruzali, W.A.W., Ismail, A.Z. & Adli, D.S.H. 2021. Penuaan Menurut Islam dan Neurosains. UITM Press.
- Tumiran, M.A., Rahman, N.N.A., Saat, R.M., Ismail, A.Z., Ruzali, W.A.W., Bashar, N.K.N. & Adli, D.S.H. 2018. Senile Dementia from Neuroscientific and Islamic Perspectives. Journal of Religion & Health. (ISI-Indexed)
- Wan Adriyani Wan Ruzali, Kehoe, P.G. & Love, S. 2013. Influence of LRP-1 and Apolipoprotein E on Amyloid- Uptake and Toxicity to Cerebrovascular Smooth Muscle Cells. Journal of Alzheimer's Disease 33(1) : 95-110. (ISI-Indexed)
- Wan Adriyani Wan Ruzali, Kehoe, P.G. & Love, S. 2012. LRP1 expression in cerebral cortex, choroid plexus and meningeal blood vessels: relationship to cerebral amyloid angiopathy and APOE status. Neuroscience Letters 525(2) : 123-128. (ISI-Indexed)

Current research activities:

- Covid-19, online learning and students' mental health (2021)
- Exploring the Role of Nanocellulose in Banana Defence Mechanism toward Pathogen Fusarium Oxysporum f. sp. Cubense, Consultant, 2020 - 2022 (National)
- Neurodegenerative related Bioassays of Alseodaphne Pendulifolia and Alseodaphne Peduncularis, Principal Investigator (PI), 2020 - 2022 (National)
- Investigation on Epidemiology of Dengue Virus by using Haar Wavelet Quasilinearization Method, Consultant, 2019 - 2021 (National)

- PASUM-KTE-VOKASIONAL: EKSPOLASI PENDIDIKAN TINGGI SAINS & TEKNOLOGI DI IPT, Coordinator, 2018 - 2019 (National)
- PASUM-KTE: Meneroka dunia Sains di IPT, Consultant, 2017 - 2018 (National)
- Mechanisms of Cerebrovascular Smooth Muscle Cell Death in Cerebral Amyloid Angiopathy, Principal Investigator (PI), 2016 - 2018 (National)
- Degeneration of cerebrovascular smooth muscle cells in cerebral amyloid angiopathy 2008 – 2012 (PhD project)

Professional activities: N/A

Website: Web of Science Researcher ID: I-2274-2016