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Suherman telah menjadi dosen di Universitas Sumatera Utara sejak tahun 2003. Beliau menyelesaikan pendidikan Teknik Elektro Universitas Sumatera Utara pada tahun 2000, kemudian dilanjutkan dengan MSc in Computing dari RMIT Australia pada tahun 2009 dan PhD in Electrical Engineering, DMU-UK pada tahun 2013. Ia mengikuti beberapa non-kursus gelar seperti: Komunikasi seluler di Ilmenau, Jerman (2010) dan Bioinformatika di EBI-Cambridge, Inggris (2011). Pada tahun 2022 Beliau mengikuti program MSc online di bidang Financial Engineering, WorldQuant University, New Orleans, USA.

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