

Dr. Sunardi, S.Kom., M.M.S.I

Associate Professor

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EXECUTIVE SUMMARY

Sunardi is a senior professional and academic in Information Technology with more than 20 years of experience in e-learning development, immersive learning technologies, and educational digital transformation. He is the CEO and Co-Founder of Sunedu.id, an authorized Moodle partner in Indonesia, specializing in immersive e-learning content and Learning Management Systems (LMS). He also serves as an faculty member at Binus Online, Bina Nusantara University, focusing on user experience design, usability evaluation, augmented reality (AR), virtual reality (VR), and metaverse-based learning.

Throughout his career, Sunardi has held leadership roles in education and technology, including Professional Development Manager at Binus Center, Pedagogy Specialist at Apple Developer Academy, and consultant for schools achieving Google Reference School and Apple Distinguished School recognition. He holds multiple international certifications such as Metaverse Certified Expert, Google Certified Innovator, Microsoft Certified Educator, Cisco Certified Network Associate (CCNA), and Certified Ethical Hacker (CEH).

His research interests include immersive learning models, digital pedagogy, and usability evaluation. He has published in Scopus and IEEE-indexed journals and actively contributes as a speaker at international conferences on educational technology across Asia-Pacific.

ACHIEVEMENT

- Best Employee Award 2009 – Bina Nusantara Group
- Best Teaching Award 2022 - Bina Nusantara University

FORMAL EDUCATION

1 Febuary 2022 – 29 August 2025	BINUS UNIVERSITY, Doctor of Computer Science
1 Agustus 2010 – 10 May 2012	BINUS UNIVERSITY, Master of Information System
1 Agustus 2000 – 10 Juni 2004	BINUS UNIVERSITY, Information Technology
1 juni 1997 – 17 Juni 2000	SLTA Kristen Kalam Kudus Jakarta Barat

MANAGEMENT EXPERIENCE

January 2019 - Now	**CEO and Co-Founder of SUNEDU.ID** *A company concentrate to empower company through the best e-learning content and platform as a Moodle certified Partners in Indonesia.*
November 2019 - Now	**Google Certified Innovator Consultant** *Conduct Consultation for a private school on becoming a Google Reference School*
December 2023 - Now	**Apple Professional Learning Specialist** *Conduct Consultation for a private school on becoming a Apple Distiguish School*
January 2018 - Juli 2018	**Pedagogy Specialist at BINUS APPLE DEVELOPER ACADEMY** *Make sure the quality of word class developer been achieve through academy*
January 2014 – Desember 2018	**Professional Development Manager at BINUSCENTER Head Office** *Enrich teachers capability to face new 21st Education Learning system (Technology & Pedagogy skills)*
December 2011 – December 2014	**Academic Manager at BINUSCENTER Head Office** *Enable Company growth by creating valuable training material based on industrial need and providing Competent Teacher to deliver the material.*
January 2007 – December 2011	**RnD Manager at BINUSCENTER Head Office** *Enable Company growth by creating valuable training material based on industrial need.*

TECHNICAL EXPERIENCE

June 2005 – December 2006	**Product Research Network Specialist at BINUSCENTER** *Responsible to develop best and qualified Networking Curriculum based on industrial and market trend or innovation.*
January 2005 – Juni 2005	**Network engineer wireless division ISP IndoInternet** *Responsible to implement, maintain, and troubleshoot Internet connection and device on company client.*
Augustus 2004 – December 2005	**System Administrator at MBICC SSPM and Outsourcing staff as Backup Personal Support & Services** *As Outsourcing staff to administering networking and supporting Microsoft Indonesia.*

January 2004 - Now	**Network & Security Instructor at BINUSCENTER** *Have big enthusiast to teach and sharing knowledge in Network,security and business alignment*
January 2015 - Now	**Teachers Professional Development facilitator** *Teach, coach, role-model national teacher for PD program*

PROJECT EXPERIENCE

Strategic

- AI Policy Consultant for Various school foundation (2025)
- Regulatory and ethic division at Indonesia Artificial Intelligent Association (2025)
- Creating Technology content training for Kemenakertrans (2018)
- Creating framework for SKKNI and KKNI National Standardization Topic Network Computer (2015)
- Indonesia Accredited Accessor for network engineer (2018) No. Reg.MET.000.0091032017 by BNSP
- Creating framework for SKKNI and KKNI National Standardization Topic System Administration Computer (2016)
- Creating framework for SKKNI and KKNI National Standardization Topic Computer Technical Support (2017)
- Computer IT Accessor certified by BNSP (2017)
- Creating Strategic Framework for School in facing curriculum 2013 (2013)
- Creating Competency Based Assessment and Training to provide new Guided learning culture as a strategic solution (2013)
- Creating Guided Learning technology to 6.000 Non-ICT teachers cooperation with Microsoft Partners in Learning (2012)
- Creating IS Strategic Planning on Training Center (2011)
- Setting Competency for Instructor BINUS Center (2011)
- Recommendation for Business Process Reengineering (BPR) on Binus Center (2010)
- Making Long Term Framework of Network Infrastructure & Architecture at Jasa Raharja (2006)

PUBLICATION

- *Immersive Learning Model for University (ILMU): A Novel VR-Based Distance Learning in Higher Education (IEEE access, 2025, Q1)*
- *Strategies, characteristics, and research gaps for improving microservices coupling design (BEEI, 2025)*
- *Exploring Immersive Virtual Reality in Higher Education: Research Gap and Future Direction-A Scoping Review (IEEE Access, 2025,Q1)*
- *Impact of usability on continuance usage intention in language learning apps with gamification features (BEEI, 2025)*
- *UX Analysis of Augmented Reality in E-Commerce Marketing Using the System Usability Scale and Usability Testing Method (ChiUXiD, 2024)*
- *User Experience Evaluation on Siakadcloud's Computer Based Test Front (CBTFRONT) Application Using Evaluation of Heuristic Method (ChiUXiD, 2024)*
- *The Optimization Effect of Using the Elementor Page Builder on the Jagoan Hosting Website (ITIS, 2024)*
- *User Experience Analysis of Sports Applications Using Usability Testing and the System Usability Scale (SUS) (ICIS, 2024)*
- *User Experience Evaluation on Mobile Application for Indonesian Passport Using Sentiment Analysis and Cognitive Walkthrough (ICIMTECH, 2024)*
- *Comparing the User Experience of Mobile-Based Microlearning Application Using Heart Metrics and Honeycomb Framework (ICIMTECH, 2024)*

- *User Experience Evaluation of Pension Fund Application Using System Usability Scale and Heuristic Evaluation (ICBIR, 2024)*
- *Benefits of using a Tablet Solely for Teaching and Learning Sessions at school Bottom Bar vs Hamburger Navigational Menu Design: A Comparative Analysis in Coffee Shop Mobile Application Using the SUS Methodology (ICBIR, 2024)*
- *User Experience Analysis on Music Streaming Platform Using User Experience Questionnaire and PACMAD Method on Gen Z (ICBIR, 2024)*
- *User Experience Analysis on National Library of Republic Indonesia Mobile Application Using UEQ and Usability Testing (ICBIR, 2024)*
- *Comparing the User Experience of Mobile Banking Applications Using System Usability Scale and Usability Testing (ICBIR, 2024)*
- *User Experience Analysis on Mobile Prosecutor Application Using System Usability Scale and PACMAD Method (ICBIR, 2024)*
- *UX Evaluation of National Social Security Agency for Employment Using User Experience Questionnaire and Heuristic Evaluation (ICBIR, 2024)*
- *Student Assessment Factors in Study Success Using the Decision Tree Algorithm*
- *Portrait vs landscape: A user experience analysis in education based mobile learning (2023)*
- *Usability evaluation on pre-worker eLearning websites (2023)*
- *Acceptance of augmented reality in video conference based learning during COVID-19 pandemic in higher education (2022)*
- *Discipline, Impact, And Challenges Of Virtual Reality In Higher Education: A Systematic Literature Review (2022)*
- *Combining UEQ and Eye-Tracking Method as Usability Evaluation for Mobile Apps (2021)*
- *List of Most Usability Evaluation in Mobile Application: A Systematic Literature Review, IEEE.org (2020)*
- *The 4Cs Learning Model in Teacher Professional Development Program,BINUS (2020)*
- *Perencanaan strategi TIK proses belajar mengajar di Learning center (Studi kasus BINUSCENTER),Ultima InfoSys, UMN (2017)*
- *Pengaruh pembelajaran inovatif menggunakan teknologi informasi guna meningkatkan proses belajar mengajar, BINUS (2017)*
- *Pengujian perangkat lunak E-HRD menggunakan MC Calls Model: Studi kasus SMA Negeri 8 Tangerang, BINUS (2017)*
- Storing, diving, and distributing of comprehensive knowledge using knowledge management in the library and knowledge center, IEEE.org (2017)

INFORMAL EDUCATION and TRAININGS

November 2019	Google Certified Innovator Program
June 2018	Apple Worldwide Developers Conference
October 2011	IT Project Architecture
November 2010	New Product Development
April 2008	Certified Ethical Hacker and Certified EC-Council Instructor
July 2004	CISCO Instructor Academy Program CCNA,CCNA Wireless at Binus Center

INTERNATIONAL CERTIFICATIONS

- Metaverse Certified Expert (MCE)
- Apple Professional Learning Specialist (APLS)
- Google Certified Innovator (GCI)
- Google Certified Educator Level 2 (GCE)
- Microsoft Certified Educator (MCE)
- Cisco Certified Network Associate (CCNA)
- Cisco Certified Academic Instructor (CCAI)

- Certified Ethical Hacker (CEH)
- Certified EC-Council Instructor (CEI)
- Microsoft Certified System Administrator (MCSA - Security) Windows 2003 Server
- Microsoft Certified Technology Specialist (MCTS)

SPEAKER

- Design thinking pitch – Google Singapore 2019
- Computational thinking – EduTech Asia, Singapore 2019
- School transformation through digital classroom – EduTech Asia, Singapore 2019
- Teacher Professional Development – Jakarta, 2015
- Parenting in Digital era – Rise & BISS, 2015
- Business Driven Information System – Unimed &IBBI Medan, 2014
- Flipped Learning for future teacher - Medan, 2014
- School Improvement Workshop to SMU PangudiLuhur Management, 2013
- Enterprise and Innovation Award Workshop – BINUS Group, 2013
- School of the Future – SEE Bangkok, 2013
- Indonesia security conference – Demo hacking, 2009
- Seminar softskill **Creative thinking for problem solving,** 2008 -2014

SEMINAR TECHNOLOGY

- SEE program BINUS university – Hongkong 2014
- SEE program BINUS University – Thailand 2013
- Microsoft Partners in Learning conference – New Zealand 2012
- Cisco Networking Academy Conference Australia – Australia 2011
- Cisco Networking Academy Conference Singapore – Singapore 2009
- Cisco Networking Academy Conference Ho Chi Minh – Vietnam 2008
- Cisco Networking Academy Conference Hongkong – Hongkong 2007

SCHOOL CONSULTATION/TRAINING

No	Year	Institution	Topic	Audience	Training Hours
1	2025	Sancta Maria Foundation	Designing AI Policy in the school	All Principal and foundation	3
2	2025	Santa Maria School	Implementation AI in the school	All Teachers	3
3	2025	Don Bosco School	Implementation AI in the school	All Teachers	10
4	2025	Al Azhar Asy-Syarif	Learning STEAM with iPad	All Teachers	6
5	2025	Al Azhar 10	Learning STEAM with iPad	All Teachers	6
6	2025	Al Azhar 2	Learning STEAM with iPad	All Teachers	6
7	2025	Al Azhar Kairo Bandung	Learning STEAM with iPad	All Teachers	6
8	2025	MTS Mimha	Learning STEAM with iPad	All Teachers	6
9	2025	Alwafi Boarding school	Learning STEAM with iPad	All Teachers	6
10	2018	Sekolah Kalam Kudus Jakarta	Professional Development training	Teachers	400
11		Sekolah Putera harapan, Purwokerto	Professional Development Offline class	Teachers	16
12		Sekolah Sekolah Sang Timur Jakarta	Teacher Supervisor	Teachers	40

13		Sekolah Pangudi Luhur DeltaMas	Professional Development training	Teachers	400
14		Sekolah Pangudi Luhur H. Nawi	Professional Development training	Teachers	400
15		50 Foundation Private school	Foundation gathering as moderator	Foundation	15
16		100 Principal gathering	Principal gathering as Moderator and speaker	Principal	10
17		Yayasan Sang Timur	School Strategic management	Principal	14
18		Sekolah SMU Pangudi Luhur	School Strategic management	Principal	14
19		Yayasan WR Supratman Medan	School Strategic management	Principal	14
20		Sekolah Tzu Chi School	Digital learning workshop	Teachers	6
21		Sekolah Sanur Jalan Pos	Digital Learning workshop	Teachers	20
22	2017	Sekolah Don Bosco Seruni	Digital Learning workshop	Teachers	3
23		Sekolah Sekolah Tunas bangsa	Digital Learning workshop	Teachers	3
24		Sekolah Sang Timur	Digital Learning workshop	Teachers	6
25		Sekolah Avisena	Digital Learning workshop	Teachers	3
26		Sekolah Penabur Gading Serpong	Digital Learning workshop	Teachers	6
27		Sekolah Penabur Bekasi	Digital Learning workshop	Teachers	3
28		Sekolah Kalam Kudus Pangkal Pinang	Digital Learning workshop	Teachers	14
29		Sekolah Abdi Siswa	Digital Learning workshop	Teachers	3
30		Sekolah Kristoforus taman palem	Digital Learning workshop	Teachers	3
31		Sekolah BINUS Serpong	Digital Parenting	Teachers	3
32		RISE	Digital Parenting	Parents	9
33		Yayasan Strada	Eneagram Training	Principal	14
				Total Training Hours	**1471**