



## Prof. Herman Dwi Surjono, Ph.D.

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### PROFILE

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- He is a professor at the College of Engineering and the Graduate School of the Yogyakarta State University, Indonesia.
- He received his Ph.D. in information technology in 2006 from Southern Cross University Australia.
- He teaches undergraduate and graduate students computer programming, e-learning, interactive multimedia, and digital media.
- His research area includes adaptive hypermedia, computer-based learning, e-learning, and multimedia learning.
- He is a head of Instructional Technology Department at the Graduate School of the Yogyakarta State University, Indonesia.

### EDUCATION

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| No | Level  | Major                         | University                               | Grad Year |
|----|--------|-------------------------------|--|-----------|
| 1. | B.Sc.  | Electronics Education         | IKIP Yogyakarta                          | 1986      |
| 2. | M.Sc.  | Industrial Ed. and Technology | Iowa State University<br>USA             | 1994      |
| 3. | M.Eng. | Computer System & Informatics | Gadjahmada University<br>Yogyakarta      | 2000      |
| 4. | PhD.   | Information Technology        | Southern Cross<br>University – Australia | 2006      |

### PROFESSIONAL EXPERIENCE

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| No | Occupation   | Periods        |
|----|--|----------------|
| 1. | Lecturer at College of Engineering – Yogyakarta State University             | 1986 – present |
| 2. | Department Secretary at College of Engineering – Yogyakarta State University | 1996 – 1998    |
| 3. | Instructor at TTUC Bandung   | 1986           |
| 4. | Lecturer at MMTC Yogyakarta  | 1997 – 2000    |

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| 5.  | Lecturer at Polytechnic PPKP Yogyakarta   | 1997 – 2000    |
| 6.  | Lecturer at Postgraduate College – Yogyakarta State University                        | 2006 – present |
| 7.  | Head of Computer Centre – Yogyakarta State University                                 | 2006 – 2011    |
| 8.  | Research Board at College of Engineering – Yogyakarta State University                | 2007 – 2011    |
| 9.  | Head of Information Division of Teacher Certification Committee                       | 2007 – 2009    |
| 10. | Assessor of National Teacher Certification  | 2007 – 2014    |
| 11. | Head of ICT Competence Test Development Team – Department of National Education       | 2007 – 2010    |
| 12. | Member of ICT Textbook Instrument Development Team – Department of National Education | 2008 – 2009    |
| 13. | Head of Instructional Technology Postgraduate School at Yogyakarta State University   | 2012 – present |
| 14. | Expert Tim at BSNP-Department of National Education                                   | 2014           |
| 15. | Full professor in the field of information technology learning                        | 2014 – present |
| 16. | Head of e-Learning Team at IDB Project Ministry of Education                          | 2015 – present |

## SELECTED PUBLICATIONS

| No | Title   | Publication  |
|----|---|--|
| 1. | Adaptive Educational Hypermedia based on Multiple Student Characteristics   | Proceedings of the Second International Conference on Web-based Learning (ICWL 2003), Melbourne, Australia                       |
| 2. | The design and implementation of an adaptive e-learning system  | Proceedings of the International Symposium Open, Distance, and E-learning (ISODEL 2007), Denpasar                                |
| 3. | Empirical Evaluation of An Adaptive E-learning System and the Effects of Knowledge, Learning Style and Multimedia Mode on Student Achievement | Proceedings of the UiTM International Conference on E-learning 2007 (UICEL 2007), Universiti Teknologi MARA, Shah Alam, Malaysia |
| 4. | The development of an adaptive e-learning toward the learning style diversity of visual-auditory- kinesthetic                                 | Proceedings of the International Seminar on ICT for Education, PPs UNY, 2009   |
| 5. | The Implementation of an Adaptive E-learning Using the Learning Management Systems of Moodle  | Proceedings of the International Symposium Open, Distance, and E-learning (ISODEL 2009), Yogyakarta                              |
| 6. | Towards the Implementation of blended learning at the Yogyakarta State University   | Proceedings of the International Seminar on ICT for Education, FMIPA UNY, 2009   |
| 7. | Multi-connection phone-based mobile internet to support e-learning and ICT literacy for rural community                                       | Proceedings of the International Conference on Vocational Education and Training (ICVET) 2011                                    |
| 8. | The Design of Adaptive E-learning System based on Student's Learning Styles   | International Journal of Computer Science and Information Technology (IJCSIT), Vol 2, Issue 5, Vol 2, pp. 2350-2353, 2011        |

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| 9.  | Multi-connection phone-based mobile internet to support e-learning  | Jurnal Penelitian SAINTEK, Vol 16, No 1, pp. 1-8, April 2011   |
| 10. | The utilization of e-learning and social networks to promote blended learning   | Proceedings of the International Seminar on ICT for Education, UNY, 15 April 2012  |
| 11. | The Development of an Adaptive E-learning System by Customizing an LMS Moodle   | International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 4 (4), 2013, 632 – 635                   |
| 12. | The Implementation of ICT to Enhance Student Learning Activities  | Proceedings of the 21st International Conference on Computers in Education (ICCE 2013) 20 – 22 Nov 2013, Bali                  |
| 13. | The Evaluation of a Moodle Based Adaptive e-learning System   | International Journal of Information and Education Technology www.ijiet.org ISSN: 2010-3689 Vol. 4, no. 1, pp. 89-92, Feb 2014 |
| 14. | The Effects of Multimedia and Learning Style on Student Achievement in Online Electronics Course                              | The Turkish Online Journal of Educational Technology ISSN: 2146-7242, January 2015, Vol 14, Issue: 1, pp: 116-122              |
| 15. | The implementation of e-learning with team builder at vocational high schools.  | Research and Evaluation in Education, 1 (1), 25-44, 2015   |
| 16. | The Determining Factors of the Acceptance of Information Technology Users among the Teaching Staffs of the Vocational Program | International Journal of Emerging Technologies in Learning (iJET), April 2015.   |
| 17. | Mobile Learning Trends and Challenges for Vocational Education in Indonesia   | Proceedings of the 4th International Conference on Vocational Education and Training (ICVET), YSU, September 2016.             |
| 18. | Problems in Learning of Electronic Filing at Vocational School in Yogyakarta Special Region, Indonesia                        | Journal of Education and Practice, Vol.8, No.5, 2017.  |
| 19. | The Implementation of Blended Learning in Multimedia Courses for Undergraduate Students in Indonesia                          | International Journal of Information and Education Technology www.ijiet.org ISSN: 2010-3689, vol 7, no 10, October 2017        |
| 20. | The dynamics of mobile learning utilization in vocational education: Frame model perspective review                           | Turkish Online Journal of Educational Technology - TOJET, v16 n4 p65-76 Oct 2017   |
| 21. | Critical Success Factor for Implementing Vocational Blended Learning  | January 2018, Journal of Physics Conference Series 953(1):012086<br>DOI10.1088/1742-6596/953/1/012086                          |
| 22. | Integration of strategy experiential learning in e-module of electronic records management.                                   | Jurnal Pendidikan Vokasi. 7. 288.<br>DOI 10.21831/jpv.v7i3.12812.  |
| 23. | LdesV, Computer-operated video: overcoming students' difficulties in understanding automotive starting system                 | Accepted to be published in Int. J. of Innovation and Learning   |
| 24. | The Effects of Various Animation-Based Multimedia Learning in e-Learning Course   | Proceeding of ICETC 2017, December 20–22, 2017, Barcelona, Spain<br>DOI 10.1145/3175536.3175558                                |

## PROFESSIONAL MEMBERSHIPS

| <b>Year</b>    | <b>Organization</b>   | <b>Status</b>                      |
|----------------|---|------------------------------------|
| 2009 – present | Asosiasi Dosen & Guru Vokasi Indonesia (ADGVI)                                    | Member                             |
| 2011 – present | International Association of Computer Science and Information Technology (IACSIT) | Senior Member No:<br>80343064      |
| 2015 – present | Universal Association of Computer and Electronics Engineers (UACEE)               | Senior Member<br>SNM10100053018    |
| 2015 – present | The American Society for Research (ASR)   | Senior Member<br>No: R215123001    |
| 2018 – present | Association for Computing Machinery (ACM)   | Professional Member<br>No: 7399521 |