

## CURRICULUM VITAE

Name : Martinus Edy Sianto, ST., MT., IPM.  
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S e x : Male  
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Structural position : Head of laboratory  
Academic position : Lector  
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### Academic qualifications:

1. Graduate:  
Magister Teknik (M.T.), Industrial Engineering Department, Faculty of Engineering Bandung Institute of Technology, Bandung, Indonesia (graduated in 2001)
2. Undergraduate:  
Sarjana Teknik (S.T.), Industrial Engineering Department, Faculty of Engineering, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia (graduated in 1997)

### Former structural positions:

1. Head of Laboratory, Ergonomics and Work Design, Industrial Engineering Department, Widya Mandala Catholic University Surabaya (2001-now)
2. Vice Dean for human resources, finance and general affair at the Faculty of Engineering, Widya Mandala Catholic University Surabaya (2013-2016)
3. Vice Dean at the Faculty of Engineering, Widya Mandala Catholic University Surabaya (2009-2013)
4. Vice Head of Industrial Engineering Department, at the Faculty of Engineering, Widya Mandala Catholic University Surabaya (2002 – 2004)
5. Vice Head of Industrial Engineering Department, at the Faculty of Engineering, Widya Mandala Catholic University Surabaya (1998-1999)

### Current structural position:

Head of Laboratory, Ergonomics and Work Design, Industrial Engineering Department, Widya Mandala Catholic University Surabaya (2016 – 2020)

### Teaching experiences:

1. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Calculus, 1998
2. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Physics, 1998-1999
3. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Production Process, 1998-1999
4. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Engineering Mechanics, 1999
5. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Engineering Economics, 2002-2008

6. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Pract. Work Design and Analysis, 2002-2018
7. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Work Design and Analysis, 2002-2018
8. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Cost Accounting, 2002-2018
9. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Decision Analysis, 2002-2005,2008-2009
10. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Introduction to Industrial Engineering, 2002,2005-2007
11. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Cost Accounting, 2002-2018
12. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Statistics, 2003-2004
13. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Cost Accounting, 2002-2018
14. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Pract. Forecasting, 2004
15. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Statistical Quality Controls, 2004-2005
16. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Pract. Statistics, 2004, 2011-2018
17. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Industrial Ergonomics, 2005, 2007-2010
18. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Operations Research II, 2004-2005, 2017
19. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Six Sigma Philosophy, 2008
20. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Design of Experiment, 2010, 2012, 2017
21. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Plant Layout and Facilities Planning, 2011-2018
22. Faculty of Engineering, Widya Mandala Catholic University Surabaya  
Quality Engineering, 2002-2018

Leadership training experiences:

1. Active Participant, Leadership Development Program,” Proactive and Strategic Higher Education Management for Managing and Developing Academic Department and Program of Study”, Jakarta, 29 – 31 August 2002, organized by Strategic Institute for Higher Education development.
2. Active participant, Leadership development Program, “Leading Effectively to Higher Organizational Success”, in Surabaya, 2015, organized and fully funded by Widya Mandala Foundation.
3. Active participant, Leadership development Program, “Capacity Building Training”, in Semarang, 27-31 Mei 2015, organized and fully funded by Catholic Institution of Higher Learning (APTIK).

#### Research training experiences:

1. Southeast Asia International Joint-Research and Training Program for Renewable Energy Technologies and Sustainable Environment, National Taiwan University, Taipei, Taiwan. (27 August – 2 September 2014)

#### Research interest and activities:

Ergonomics, Product Design, Work Design, Quality Engineering.

#### Achievements:

Certified Master Black Belt (By Exams), International Quality Federation (IQF), Certificate No: 005/ME9738/2011.

Certified Professional Engineer: Insinyur Profesional Madya (IPM) No. 2-07-00-000202-00 (2016)

#### Publications:

1. Sianto, M.E., and Gondodiwiryo, L. (2003). Newsboy Inventory Model Development by Accommodating Different Price During The Season. *Jurnal Ilmiah WIDYA TEKNIK*, Vol. 2. 2 – Nopember 2003
2. Daniyati L., Maukar, A.L., and Sianto, M.E (2005): Measurement and Quality Analysis of Services Based on Sevqual at Bank XYZ- Surabaya Branch. *Jurnal Ilmiah WIDYA TEKNIK* Vol. 4. 1 – April 2005
3. Anggono, W., Sianto, M.E, Mulyono, I.J. (2006): Quality Control Of Statistics for Autocorrelated Data. *Jurnal Ilmiah Teknik Industri "OPTIMUM"* Volume. 7. No 1, Februari – Agustus 2006.
4. Yapri, Y., Mulyono, I.J., Sianto, M.E (2007): Improving the Quality of Chalk using DMAIC Approach at UD. Sumber Makmur. *Jurnal Ilmiah WIDYA TEKNIK* Vol. 6. 1 – April 2007.
5. Trenggono, A. Sianto, M.E, Kuntohadi, W. (2007): Effect of Music Factor and Sound Intensity on Student Performance Resistance in Doing Simple Counting. *Jurnal Ilmiah WIDYA TEKNIK* Vol. 6. 2 – Nopember 2007.
6. Nadia, V., Dewi, D.R.S., Sianto, M.E (2010): Production Scheduling and Raw Material Inventory Planning at PT. Wahana Lentera Raya. *Jurnal Ilmiah WIDYA TEKNIK* Vol. 9. 2 – November 2010
7. Hindarso, H. Aylianawati, Sianto, M.E (2015): Biodiesel Production From the Microalgae *Nannochloropsis* by Microwave Using CaO and MgO Catalysts. *International Journal of Renewable Energy Development* Vol. 4, Iss. 1, (Feb 2015): 72-76.
8. Mulyana, I.J., Sianto, M.E and Wijaya, D.I. (2017): Full factorial experimental design to determine factors influenced total bacterial content in making vegetable sausage. *ARPJN Journal of Engineering and Applied Sciences*, **12**, 219–222.
9. Nugroho, A.D., Sianto, M.E, Asrini, L.J. (2018): Optimization of factors to maximize press load resistance of concrete tile using response surface method. *Jurnal Ilmiah WIDYA TEKNIK* Vol. 16. 2 – November 2018.

### Oral and poster presentations in scientific meetings:

1. Sianto, M.E., Gondodiwiryo, L.. (2003) Development of algorithm to solve the the newsboy type inventory model that accommodates the change of the selling price and quantity discount. *Proceeding of The 2<sup>nd</sup> National Conference: Design and Application of Technology 2003*, 30 Juni 2003 in Surabaya (Indonesia)
2. Mulyono, J., Sianto, M.E., (2005) The Influence of Colors and Shapes on the speed of Human Response. *Proceeding of The 4<sup>th</sup> National Conference: Design and Application of Technology 2005*, 27 Juni 2005 in Surabaya (Indonesia)
3. Sianto, M.E., Dewi, D.R.S., (2005) Simple and Mixed Line Balancing Analysis for Multiple Product. *Proceeding of 7<sup>th</sup> National Conference: Sistem Produksi VII '2005*, 15 – 16 Agustus 2005, in Surabaya (Indonesia)
4. Sianto, M.E., Maukar A.L., Soetiona H. (2005) Work Productivity Analysis using OMAX Method at PT "X". *Proceeding of 5<sup>th</sup> National Conference Quality Management: "Aplikasi Teknologi Informasi dalam Manajemen Mutu untuk Peningkatan Produktivitas dan Realibilitas"*- 30 November – 1 Desember 2005 in Jakarta (Indonesia).
5. Sianto, M.E., Suyanto, H., Maukar A.L., (2006) Performance Study of Individual Control Chart X in Detecting Process Shift Mean. *Proceeding of 1<sup>st</sup> Seminar on Application and Research in Industrial Technology (SMART 2006): " Relevansi Ragam Aplikasi Teknologi Industri Menuju Keandalan Sektor Industri 2006"*, 27 April 2006, in Yogyakarta (Indonesia)
6. Sianto, M.E., Mulyono, J., Maria, D. (2006) The Effect of Noise Level on Concentration. *Proceeding of The 5<sup>th</sup> National Conference: Design and Application of Technology 2006*, 29 Juni 2006 in Surabaya (Indonesia).
7. Sianto, M.E., Krisnowati, A.V., Mulyono, I.J., (2008) Measurement and evaluation of suppliers' performance (Case Study at PT XYZ). *Proceeding of 7<sup>th</sup> National Symposium: RAPI VII 2008*, 18 Desember 2008 in Surakarta (Indonesia)
8. Sianto, M.E. Jaka, A.D., Santosa, L.H., (2015) Design of Workbench for gluing corrugated box to Increase Productivity. *Proceeding of National Conference and congress of Indonesian Ergonomics Society (PEI) 2015*, 17-18 November 2015 in Yogyakarta (Indonesia).

### Professional Organization Membership:

- Member, *Indonesian Ergonomics Society (IES)* (Perhimpunan Ergonomi Indonesia (PEI)) (2015 – 2018) No: 1518049, SK No:049/SK.A.15.18/PEI/VII/2015
- Member, The Institution of Engineers, Indonesia – IEI (Persatuan Insinyur Indonesia (PII)) No: 1330-07-030376 (2016)
- Member, Indonesian Association of Industrial Engineering and Management (Ikatan Sarjana Teknik Industri dan Manajemen Industri (ISTMI)) (2013-2018)