

## CURRICULUM VITAE



- Name : Agus Sukmana
- Personal details : Male, 24<sup>th</sup> of March 1968, married
- Office : Department of Mathematics  
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asukmana@unpar.ac.id, asukmana@gmail.com
- Education :
- M.Sc in Mathematics (2005) University of Twente, The Netherlands
  - B.Sc in Mathematics (1993) Parahyangan Catholic University, Indonesia
- Professional membership : The American Statistical Association (ASA)  
The Institute for Operations Research and the Management Sciences (INFORMS)  
The Mathematical Association of America (MAA)
- Research interests : Statistics, Mathematics Education
- Research grants :
1. **Sukmana, A.**, Chendra, E., and Chin, L. (2016). “Kerangka Pembelajaran Matematika untuk Mengembangkan Keterampilan Abad 21 yang Disesuaikan dengan Kondisi Setempat”. Skema Hibah Monodiplin, No: III/LPPM/2016-02/88-P, Parahyangan Catholic University.
  2. Chin, L., Chendra, E., and **Sukmana, A.** (2016). “Analisa Optimasi Portofolio dengan Kendala Jumlah Lot Saham”. Skema Hibah Monodiplin, Parahyangan Catholic University.
  3. **Sukmana, A.**, Chendra, E., and Chin, L. (2016) “ Komunitas Belajar Matematika Berbasis Media Jejaring Sosial”. Skema Hibah Monodisiplin, Parahyangan Catholic University.

4. Chin, L., Chendra, E., and **Sukmana, A.** (2015). “Analisa Optimasi Portofolio yang Memuat Saham-Saham Kelompok LQ45”. Skema Hibah Monodisiplin, Parahyangan Catholic University.
5. **Sukmana, A.** (2012) “Kegagalan yang Produktif: Mengembangkan Kemampuan Berpikir Intuitif”, Hibah IPTEKS bagi Masyarakat, Kontrak no:0237/K4/KL/2012, DP2M-DIKTI, Kementerian Pendidikan dan Kebudayaan.
6. **Sukmana, A.** (2012) “Keterkaitan antara Persepsi dengan Kemampuan Matematika: Analisis hasil TIMSS 2007 Siswa Indonesia”, Skema Hibah Monodisiplin, Parahyangan Catholic University.
7. **Sukmana, A.** (2011) “Profil Berpikir Intuitif”, Skema Hibah Monodisiplin, Parahyangan Catholic University.
8. **Sukmana, A.** (2010) “ Pengembangan Bahan Ajar Untuk Mengembangkan Kemampuan Berpikir Intuitif, Pemahaman, dan Pemecahan Masalah Matematik Mahasiswa Melalui Pembelajaran Kontekstual REACT”, Kontrak No: 496/SP2H/PP/DP2M/VI/2010 DP2M-DIKTI, Kementerian Pendidikan dan Kebudayaan.
9. Chin, L., **Sukmana, A.** (2008) Model stokastik sistem persediaan dengan permintaan yang bergantung pada stok, Skema Hibah Monodisiplin, Parahyangan Catholic University.
10. Chin, L., **Sukmana, A.**, Limansyah, T., (2007) Solusi Hampiran untuk Jaringan Antrian dengan Server Bergerak, Skema Hibah Monodisiplin, Parahyangan Catholic University.

Community Service Grants :

1. **Sukmana, A.** Chendra, E., Iskandarjah, T., Dewiyani, Adhitya, D.P., Pandhita, H.R. (2016) Program Capacity Building untuk Pendidik di Kabupaten Sumba Barat Daya, Hibah Pengabdian Lembaga No: III/LPPM/2016-04/25-PML, Universitas Katolik Parahyangan.
2. **Sukmana, A.** Laku, S. K., Chin, L., Adhitya, D.P., Chendra, E. , Imelda, M. (2016) Menjadi Pendidik Abad 21: Program Pendampingan Guru Yayasan Kanisius Cabang Yogyakarta, Hibah Pengabdian Lembaga No: III/LPPM/2016-04/25-PML, Universitas Katolik Parahyangan
3. **Sukmana, A.**, Chendra, E., and Chin, L., (2015). “Komunitas Belajar Matematika Matematika Berbasis Teknologi Informasi dan Komunikasi”. Hibah IPTEKS bagi Masyarakat, Kontrak DP2M-DIKTI, Kementerian Pendidikan dan Kebudayaan.
4. **Sukmana, A.**, Yong, B., Martin, I., Chin, L., Owen, L., Limansyah, T, (2012). “Komunitas Ibu Belajar Matematika”. Hibah IPTEKS bagi Masyarakat, Kontrak DP2M-DIKTI, Kementerian Pendidikan dan Kebudayaan.

Book/Bulletin Publications :

1. **Sukmana, A.** , Chin, L., and Chendra, E. (2015) *Interactive Digital Learning Environment*. UNPAR Press, ISBN 978-602-6980-12-0.
2. **Sukmana, A.** and Setiyowati, C.E.(editor) (2015) *Sañcaya: Percikan Gagasan Pendidikan Tinggi*, Kanisius, I ISBN 978-979-21-4267-9.

Journal Publications :

1. Chin, L., **Sukmana, A.** (2012) Solusi Optimal Model Stokastik Sistem Persediaan dengan Permintaan yang Bergantung pada Stok Menggunakan Pendekatan Simulasi Monte Carlo, Jurnal Mat Stat, v12(1), pp:38-45.

2. **Sukmana, A.** and Wahyudin (2011), A Teaching Material Development for Developing Students' Intuitive Thinking Through REACT Contextual Teaching Approach, *Jurnal Mat Stat*.
3. Chin, L., **Sukmana, A.**, Limansyah, T. (2008) Sebuah Pendekatan Simulasi untuk Mengukur Kinerja Sistem Antrian pada Server Bergerak. *Jurnal Ilmiah Ilmu Komputer*, vol. 6 no. 2, Mei 2008, ISSN 1412-9523.
4. **Sukmana, A.** (2006), Pendekatan Aljabar Linear untuk Kompresi Data dengan Wavelet, *Jurnal Ilmiah Ilmu Komputer*, v4(3), pp 185-196.
5. **Sukmana, A.** and Jassin, M.A. (2005), Holt-Winter Exponential Smoothing Method (in Bahasa Indonesia), *Majalah Ilmiah Maranatha*, Vol XXVII.
6. **Sukmana, A.**, and Lokman, I. (2005) A Mathematical Model for Inventory System with Emergency Replenishment (in Bahasa Indonesia), *Integral*, v10(1).
7. **Sukmana, A.** and Gunawan, S. (2005) X11-ARIMA Forecasting Model (in Bahasa Indonesia), *Jurnal Mat-Stat*, v5(1).
8. **Sukmana, A.** (2001) De-Noising Time Series Data by Wavelet Shrinkage (in Bahasa Indonesia), *Jurnal Penelitian Unpar*, v. 10.
9. Lesmono, D. and **Sukmana, A.** (2000) Mean Value Analysis of a Closed Queueing Network, *Integral*, v5(1).
10. **Sukmana, A.** (1999) Modeling Water Pressure Data via Wavelet Shrinkage (in Bahasa Indonesia), *Jurnal Teknik Sipil and Arsitektur*, v3(3).
11. Lesmono, D. and **Sukmana, A.** (1999) Stochastic Approach for Parking Problems on Hoogstraat Rotterdam, *Jurnal Teknik Sipil and Arsitektur*, v3(2).
12. Lesmono, D. and **Sukmana, A.** (1999) Mathematical Modeling for Human Resources Allocation Problem, *Integral*, vol 4 n1
13. **Sukmana, A.** and Lesmono, D. (1998) Using Statistics Techniques for Exploring Parking Data on Hoogstraat Rotterdam, *Integral*, vol 3

#### Conference Publications:

1. Chin, L. Chendra, E., **Sukmana, A.** (2015). Analysis of Portfolio Optimization Consisting of Stocks in LQ45 Index. Proceedings of The 2015 International Conference of Mathematics, its Application, and Mathematics Education, Sanatha Dharma University, pp. 63-69, ISBN: 978-602-0830.
2. **Sukmana, A.**, Yong, B., Martin, I., Chin, L., Owen, L., Limansyah, T., (2012). "Komunitas Ibu Belajar Matematika". Proceedings Simantap 2012.
3. **Sukmana, A.**, (2012), Intuisi dalam Bermatematika: Fakta dan Implikasinya pada Pembelajaran Matematika. Prosiding Seminar Nasional Pendidikan Matematika STKIP Siliwangi Bandung, pp159-165.

#### Presentations :

1. Seminar Nasional Pendidikan Pekan Kimia 2016, Universitas Lambung Mangkurat, Banjarmasin, 22 Oktober 2016. Invited Speaker.
2. Kuliah Umum Pekan Kimia 2016, Universitas Lambung Mangkurat, Banjarmasin, 22 Oktober 2016. Inovasi Pembelajaran.
3. International Conference On Mathematics, Sciences, and Educations 2015, 4-5 November 2015. Contributed paper: Social-Media-Assisted Learning (SMAL): A Case Study of Learning Mathematics Community.

4. The 2015 International Conference on Mathematics, its Applications, and Mathematics Education, Yogyakarta, 14-15 September 2015. Contributed paper: Learning Mathematics Community Based on Information and Communication Technology.
5. Dies Natalis FTIS XXIII, UNPAR - Bandung (17 April 2012). Contributed paper: Berpikir Intuitif dan Implementasinya pada Pembelajaran Matematika.
6. Indonesian Doctoral Research Seminars, Faculty of Education and Social Work, University of Sydney, 8 & 15 November 2010.
7. Seminar Nasional Matematika UPI, August 2005. Contributed Paper: A Mathematical Model for Inventory System (Q,r,L) (in Bahasa Indonesia).
8. South East Asian Mathematical Society-GMU International Conference on Mathematics and Its Application, July 1999. Contributed paper: Modeling Time Series Data via Wavelet Shrinkage,

Participation in scientific events :

1. Participant, Core Skills: Teaching Creativity and Imagination, British Council, Jakarta (27-29 October 2016)
2. Participant, Core Skills Introductory Course, British Council, Surabaya (26-27 February 2016)
3. Participant, Workshop Problem Based Learning, PIP-UNPAR, Bandung (17-18 March 2015)

Contributions to Society :

1. Team Leader, Program Capacity Building untuk Pendidik di Sumba Barat Daya, Organized by Pusat Inovasi Pembelajaran, Parahyangan Catholic University, July-Dec 2016.
2. Team Leader, Workshop on Digital Learning, Organized by Pusat Inovasi Pembelajaran, Kanisius Pendidikan Cabang Yogyakarta, Parahyangan Catholic University, January-July 2016.
3. Tutor, Short Course in Digital Learning: Creating Low-High Order Thinking Activities with ICT, Organized by Pusat Inovasi Pembelajaran, Parahyangan Catholic University, April -Mei 2016.
4. Tutor, Workshop Digital Material Development, Universities Katolik Widya Mandira, Kupang, 13-14 November 2015.
5. Tutor, Workshop Digital Material Development, Sekolah Tinggi Keguruan dan Ilmu Pendidikan Weetebula, Sumba Barat Daya, 11 November 2015
6. Team Member, APTIK Digital Learning Task-force, April 2015-March 2017 (2 periods).
7. Team Member, APTIK Distant Learning Task-force, April 2012-March 2015 (3 periods)
8. Team Member, Biro Litbang Keuskupan Bandung, October 2014- August 2017.
9. Team Member, Ibu belajar Matematika, Organized by Department of Mathematics, UNPAR (2013,2014,2015)

Courses taught :

- Statistics for Economics
- Business Statistics
- Statistical Quality Control
- Probability Theory

- Mathematical Statistics