CURRICULUM VITAE

Name	:	Farah Kristiani
Personal details	:	Female, 30th of December, 1975, married
Office	:	Department of Mathematics Faculty of Information Technology and Science Parahyangan Catholic University Ciumbuleuit 94 40141 Bandung, Indonesia
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Education	:	

- M.Sc in Mathematics (2005) Bandung Institute of Technology, Indonesia
- B.Sc in Mathematics (1999) Parahyangan Catholic University, Indonesia

Professional membership : American Mathematical Society

Research interests : actuarial, Bayesian, dengue disease mapping

Journal Publications :

1. **Kristiani, F.**, Samat, N.A., Ghani, S.b.A. (2017). The SIR-SI model with Age-structured Human Population for Dengue Disease Mapping in Bandung, Indonesia. Model Assisted Statistics and Applications, 12(02), page 151–161
2. Irawan, R., Yong, B., & **Kristiani, F.** (2017). Non-Spatial Analysis of Relative Risk of Dengue Disease in Bandung Using Poisson-gamma and Log-normal Models: A Case Study of Dengue Data from Santo Borromeus Hospital in 2013. IOP Conf. Series: Journal of Physics: Conf. Series, 812, page 1 – 9.
3. Jaya, M.I.G.N., Folmer, H., Ruchjana, B.N., **Kristiani, F.**, Andriyana, Y. (2017). Modeling of Infectious Diseases: A Core Research Topic for the Next Hundred Years. Book Chapter in

Regional Research Frontiers - Vol. 2 (pp. 239 - 255). West Virginia, USA: Springer International Publisher

4. Cyrilla, L., **Kristiani, F.** (2017). A Comparative Analysis of Standardized Morbidity Ratio (SMR) and Poisson-Gamma Models to Estimate the Relative Risk: Car Accident Insurance Claims in Bandung – Indonesia. Model Assisted Statistics and Applications, 12(01), 31–38
5. **Kristiani, F.**, Samat, N. A., & Ghani, S. b. (2016). Dengue Disease Mapping In Bandung, Indonesia: an Analysis Based on Poisson-Gamma, Log-Normal, BYM and Mixture Models. *Jurnal Teknologi*, University Technology Malaysia, 78:6–5 (2016), page 7–12, eISSN 2180–3722
6. **Kristiani, F**., Yong, B., and Irawan, R. (2016). Relative Risk Estimation of Dengue Disease in Bandung, Indonesia, Using Poisson-gamma and BYM Models Considering The Severity Level. *Jurnal Teknologi*, 78(11), pp. 57-64, e-ISSN 2180-3722, Universiti Teknologi Malaysia.
7. Yong, B., **Kristiani, F.**, and Irawan, R. (2016). Analisis Risiko Relatif Penyebaran Penyakit Demam Dengue di Kota Bandung Menggunakan Model Poisson: Studi Kasus Data RS Santo Borromeus. CR Journal, 2(1), pp. 39-54, ISSN 1693-2021, BP3IPTEK Bandung.
8. **Kristiani, F.**, Samat, N. A., & Ghani, S. b. (2015). Preliminary Analysis on Dengue Disease Mapping in Bandung, Indonesia based on Standardized Morbidity Ratio (SMR). *International Journal of Applied Mathematics and Statistics, 53*(6), 195-201.
9. Huang, V., and **Kristiani, F.** (2013). Penerapan Hukum Mortalita Makeham dan Tingkat Suku Bunga Stokastik untuk Perhitungan Nilai Tunai Manfaat. Jurnal Mat Stat, Vol. 13 No. 1 Januari 2013: 8-23
10. Budiman, P.N., and **Kristiani, F**. (2012). Perbandingan Asuransi dan Tabungan Pendidikan. Jurnal Mat Stat, Vol. 12 No. 1 Januari 2012: 26-37
11. Kumala, D.S., Permana, F.J., and **Kristiani, F.** (2011). Perhitungan Nilai-nilai Aktuaria dengan Asumsi Tingkat Suku Bunga Berubah secara Stokastik. Jurnal Mat Stat, Vol. 11 No. 2

Conference Publications:

1. **Kristiani, F.**, Yong. B., and Irawan, R. (2016). BYM Model Application to Estimate the Relative Risks of Dengue Disease Considering the Level of the Severity: Bandung, Indonesia Case of Study. Proceeding of the 6th Annual Basic Science International Conference, 6, pp. 450-453, ISSN 2338-0128, Universitas Brawijaya.
2. **Kristiani, F.**, Samat, N. A., & Ghani, S. b. (2015). Bayesian Dengue Disease Mapping for Juvenile and Adult in Bandung, Indonesia. *Proceeding of International Conference on Statistics, Mathematics, Teaching and Research, 2015*, 9-10 October, 2015, Statistics and Mathematics Departments, State University of Makassar, Indonesia, page 76 – 89, ISBN 979-604-171-5
3. Irawan, R., Yong, B., and **Kristiani, F.** (2015). Penentuan Risiko Relatif untuk Penyebaran Penyakit Demam Dengue di Kota Bandung pada Tahun 2013 dengan Menggunakan Model SMR. Prosiding Seminar Nasional Matematika, 10, pp. 108-115, ISSN 1907-3909, Program Studi Matematika Universitas Katolik Parahyangan.
4. Rebecca, T., and **Kristiani, F.** (2014). Analisis Metode Retrospektif dan Prospektif pada Dana Cadangan. Prosiding Seminar Nasional Matematika, MS 84 – 91, ISSN 1907-3909, Program Studi Matematika Universitas Katolik Parahyangan.
5. Huang, V.; **Kristiani, F.** (2012). Analisis Kesesuaian Hukum Mortalita Gompertz dan Makeham terhadap Tabel Mortalita Amerika Serikat dan Indonesia. Prosiding Seminar Nasional Matematika, MS 63 – MS 69, ISSN 1907-3909, Program Studi Matematika Universitas Katolik Parahyangan.

Presentations :

1. East Asia SIAM Conference (EASIAM), Seoul National University, Seoul, South Korea (22-25 June 2017)
   Contributed paper: *Compartmental SIR-SI Model which Consider the O Blood-type in Dengue Disease*
2. International Seminar on Mathematics, Science, and Computer Science Education (MSCEIS), UPI, Bandung (15 October 2016)
   Contributed paper: *Non-Spatial Analysis of Relative Risk of Dengue Disease in Bandung using Poisson-Gamma and Log-normal Models: A Case Study of Dengue Data from Santo Borromeus Hospital in 2013*
3. The 6th Annual Basic Science International Conference (BASIC 2016), 2nd – 3rd March, 2016, Universitas Brawijaya, Malang, Indonesia
   Contributed paper: *BYM Model Application to Estimate the Relative Risks of Dengue Disease Considering the Level of the Severity: Bandung, Indonesia Case of Study*
4. International Symposium on Sciences and Mathematics (ISySM2015) on November 24 – 26, 2015, Bandung – Indonesia
   Contributed paper: *Dengue Disease Mapping In Bandung, Indonesia: an Analysis Based on Poisson-Gamma, Log-Normal, BYM and Mixture Models*
5. International Conference in Statistics, Mathematics, Teaching, and Research (ICSMTR-2015) on October 9-10, 2015, Makassar – Indonesia
   Contributed paper: *Bayesian Dengue Disease Mapping for Juvenile and Adult in Bandung, Indonesia*
6. ICSM (International Conference on Statistics and Mathematics 2014), 27th – 28th November 2014, Institut Teknologi Sepuluh November, Surabaya, East Java, Indonesia
   Contributed paper: *Preliminary Analysis on Dengue Disease Mapping in Bandung, Based on Standardized Morbidity Ratio (SMR)*
7. International Postgraduate Conference of Science and Mathematics 2014 (IPCSM 2014), 18th October 2014, UPSI, Tanjong Malim, Perak, Malaysia.
   Contributed paper: *The SIR-SI Dengue Disease Transmission Model*
8. Colloquium of Postgraduate Students in UPSI, on 15th February 2014, Perak-Malaysia
   Contributed paper: Dengue Disease Mapping in Indonesia
9. International Postgraduate Conference of Science and Mathematics 2013 (IPCSM 2013), 5th October 2013, UPSI, Tanjong Malim, Perak, Malaysia.
   Contributed paper: *A Review of Infectious Disease Transmission*

Participation in scientific events :

1. Seminar Persatuan Aktuaris Indonesia (PAI), "The Leading The Future", 25-27 Oktober 2017, Legian -Bali, Indonesia
2. Committee Member & Reviewer, Seminar Nasional Matematika, UNPAR, Bandung (2005 – 2017)
3. International Workshop on Bayesian Modeling, Theory and Its Application, 29 February and 1 March, 2016, Mathematical and Statistics Departments, Brawijaya University, Malang - Indonesia
4. Research Boot Camp on Peer-Reviewed Journal Article Writing 2, 6-8 June, 2016, Research Center, Parahyangan Catholic University, Bandung – Indonesia
5. Research Boot Camp on Peer-Reviewed Journal Article Writing 1, 16-18 March, 2016, Research Center, Parahyangan Catholic University, Bandung – Indonesia

6. International Workshop on Bayesian Modeling, Theory and Its Application, 29 February and 1 March, 2016, Mathematical and Statistics Departments, Brawijaya University, Malang – Indonesia
7. Guest Lecture, Statistics using Bayesian Approach, 13 February, 2016, Mathematics Department, Parahyangan Catholic University, Bandung - Indonesia
8. Effective Writing for Publication in High Impact Journal Workshop, 7^{th} – 8^{th} May, 2015, Universiti Pendidikan Sultan Idris, Perak - Malaysia
9. International Workshop on Bayesian Modelling, 24^{th} – 26^{th} November, 2014, Institut Teknologi Sepuluh November, Surabaya

Contributions to Society :

1. Team Member, Ibu Belajar Matematika, Organized by Department of Mathematics, UNPAR (2013 - 2016)
2. Judge, Kompetisi Matematika, Organized by Himpunan Matematika, UNPAR (2006 – 2016)

Courses taught :

- Calculus
- Theory of Interest
- Actuarial Mathematics