

CURRICULUM VITAE

Name : Livia Owen

Personal details : Female, 24th of August 1985, Married

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Education :

- Ph.D. Candidate (2016-now) Bandung Institute of Technology, Indonesia
- M.Sc in Mathematics (2010) Bandung Institute of Technology, Indonesia
- B.Sc in Mathematics (2008) Parahyangan Catholic University, Indonesia

Research interests : Dynamical System and Bifurcation

Research grants :

1. Yong, B. and Owen, L. (2015). "Model Penyebaran Penyakit Menular MERS-CoV: Suatu Langkah Antisipasi untuk Calon Jamaah Haji/Umrah Indonesia". Monodisiplin Research Grant Scheme, Technical report, Parahyangan Catholic University Indonesia. (Completed)
2. Owen, L. (2016). "Pengayaan Sumber Pembelajaran Berbasis TIK Mata Kuliah Komputasi Matematika". Pusat Inovasi Pembelajaran Grant Scheme, Parahyangan Catholic University Indonesia. (Completed)

Journal Publications :

1. Owen, L. and Tuwankotta, J.M. (2012). "Bogdanov-Takens bifurcations in three coupled oscillators system with energy preserving nonlinearity". Journal of the Indonesian Mathematical Society Volume 18 Number 2 (October 2012) page. 73-83, Publisher: IndoMS

Conference Publications:

1. Yong, B. and **Owen, L.** (2016). Dynamical Transmission Model of MERS-CoV in Two Areas. *AIP Conference Proceedings*, 1716, 020010-1-020010-7, <http://dx.doi.org/10.1063/1.4942993>, ISBN 978-0-7354-1363-4, AIP Publishing.
2. Efelin, P., Yong, B., and **Owen, L.** (2016). Model Penyebaran Penyakit SARS dengan Pengaruh Vaksinasi. Prosiding Seminar Nasional Matematika, 11, pp. 77-85, ISSN 1907-3909, Program Studi Matematika Universitas Katolik Parahyangan.

3. Yong, B. and **Owen, L.** (2016). Dynamical Transmission Model of MERS-CoV in Two Areas. AIP Conference Proceedings, 1716, 020010-1-020010-7, <http://dx.doi.org/10.1063/1.4942993>, ISBN 978-0-7354-1363-4, AIP Publishing.
4. Georli, M.A., **Owen, L.**, and Yong, B. (2015). Bifurkasi Saddle-Node pada Model SIR dengan Laju Insidensi yang Tak Linear dan Adanya Perawatan. Prosiding Seminar Nasional Matematika, 10, pp. 64-74, ISSN 1907-3909, Program Studi Matematika Universitas Katolik Parahyangan.
5. Yong, B. and **Owen, L.** (2015). Kontrol Parameter pada Model Penyebaran Penyakit Menular MERS-CoV: Antisipasi Terhadap Jamaah Umrah/Haji asal Indonesia. Prosiding Konferensi Nasional Matematika, Sains, dan Aplikasinya (KnMSA), pp. 295-302, ISBN 978-979-99168-1-5, Universitas Islam Bandung.
6. Octora, E., Yong, B., and **Owen, L.** (2014). Analisis Model S-I untuk Satu dan Dua Wilayah, Prosiding Seminar Nasional Matematika, 9, pp. 100-110, ISSN 1907-3909, Program Studi Matematika Universitas Katolik Parahyangan.

Presentations :

1. The 3rd Conference on Industrial and Applied Mathematics (CIAM 2015), Institut Teknologi Bandung (11-13 Oktober 2015)
Contributed paper : Dynamical Transmission Model of MERS-CoV in Two Areas
2. The 3rd IndoMS International Conference on Mathematics and Its Applications (IICMA 2015), Universitas Indonesia (3-4 November 2015)
Contributed paper : The Stochastic SI Model in A Single Area: Comparison with the Deterministic SI Model
3. Konferensi Nasional Matematika, Sains dan Aplikasinya, Universitas Islam Bandung (26 Agustus 2015)
Contributed paper : Kontrol Parameter Pada Model Penyebaran Penyakit Menular MERS-CoV: Antisipasi terhadap Jamaah Umrah/Haji Asal Indonesia
4. Seminar Nasional Matematika, Universitas Katolik Parahyangan, Bandung (19 September 2015)
Contributed paper : Bifurkasi Saddle-Node Pada Model SIR Dengan Laju Insidensi yang Tak Linier dan Adanya Perawatan

Participation in scientific events :

1. Presenter, Diskusi dan Sharing Pembelajaran yang Inspiratif dan Inovatif #11, Bandung (17 Oktober 2016)
2. Committee Member & Reviewer, Seminar Nasional Matematika, UNPAR, Bandung (24 September 2016)
3. Participant, The 3rd Symposium on BioMathematics (SYMOMATH 2015) , ITB, Bandung (4-6 November 2015)
4. Chairperson, Seminar Nasional Matematika, UNPAR, Bandung (1 September 2007)
5. Participant, The Summer Course on Dynamical System V and Workshop on Integral and Differential Equations: Six Lectures on Averaging Method and Normalization for Nonlinear Differential Equations by Dr. J.M. Tuwankotta, ITB, Bandung (22-23 Agustus 2013)

Contributions to Society :

1. Team Member, Ibu belajar Matematika, Organized by Department of Mathematics, UNPAR (2016)

2. Judge, Kompetisi Matematika, Organized by Himpunan Matematika, UNPAR (2016)
3. Trainer, Pelatihan Maple untuk Guru SMP dan SMA Bina Bakti, Bandung (10 - 17 Januari 2015)

Courses taught :

- Calculus
- Calculus Multivariable
- Elementary Differential Equations
- Partial Differential Equations
- Mathematical Computation