

CURRICULUM VITAE

GENERAL INFORMATION

Name: Andry Alamsyah
Place and Date of Birth : Malang, 27 – 09 – 1971
Gender: Male
Address:
 Jl. Jingga Kusuma Kulon 20
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Research Topics: *Social Computing, Computational Social Science, Big Data, Social Network Analysis, Social Media, Sentiment Analysis / Opinion Mining, Complex Network, Mobile Technology, User Experience (UX), Large-Scale Social Network and Database, Graph Theory*
Application of Social Computing in Economy, Business and Management area such as Knowledge Management, Customer Relationship Management, Supply Chain Management, Enterprise Resources Planning, Target Market, Diffusion Information / Communication

GENERAL QUALIFICATION

- Data Analytics and Big Data Knowledge since 2012
- Strong Background in Mathematics, Data Science and Statistics
- Focusing Research on Economics and Business Study
- Good Communications and Interpersonal Skills
- Abstract, Concept, and Implement the Idea
- Tactical, Efficient and Strong Leadership
- Experience in IT field (Networking, Programming, Concept) since 1990
- Experience in Multimedia area since 2001
- Mobile Application Competence since 2010
- Social Media / Network Literacy and Philosophy since 2010

TECHNICAL QUALIFICATIONS

- Wide knowledge about Internet, Information Technology, Social Media, including not limited to Concept, Application, Project Implementation.
- Actively using MacOS, Windows, Linux / Unix for more than 20 years.
- Research and Observer in Multimedia field including Computer Graphic, Image/Video Processing, Audio/Visual and Animation
- Advanced Knowledge about Photography and Videography, including Lighting Technique
- Experience in Management Project
- Active Researcher in Mobile Application Technology
- Experience in Object Oriented Programming, including Java, C++, Perl, and also Web Programming such as PHP, NET, JSP
- Experience with compact / framework language such as Python, R, Graph Database, JSON, HTML5

EDUCATION

- **2012 – 2017:** S3 (PhD) – School of Electrical Engineering and Informatics, *Institut Teknologi Bandung* (www.itb.ac.id)
- **2001- 2003:** S2 (Magister) - Magister Multimedia Information System - DESS Systèmes Information Multimédia (Conduit de Projet Multimedia et Technique pour le Multimedia) di *Université de Picardie Jules Verne*, Amiens, France. (www.u-picardie.fr)
- **1990 - 1996:** S1 (Bachelor) - Mathematics, Faculty of Mathematics and Natural Science, *Institut Teknologi Bandung* (www.itb.ac.id)

PROFESSIONAL EXPERIENCE

2011-now Lecturer and Researcher of School of Economics and Business, *Institut Manajemen Telkom* (www.imtelkom.ac.id). Since 2013, it merged with other institutions to become Telkom University (www.telkomuniversity.ac.id), Located in Bandung.

Work Details:

- Lecturer in *Big Data and Data Analytics, E-culture and Social Network, New Digital Economy, Content Development, Mobile Content Development, Content Analysis, Multimedia Interactive and User Experience*.
- Researcher in Lab. Social Computing and Big Data

2010-2012 Guest Lecturer in International Program, *Institut Teknologi Harapan Bangsa* (www.ithb.ac.id), Located in Bandung.

Work Details:

- Lecturer for *Basic Photography (Design Major)*
- Lecturer for *Algorithm, Java Programming and Operating System (ICT Major)*

2011 Guest Lecturer in Faculty of Art and Literature, *Universitas Pasundan* (www.unpas.ac.id), Located in Bandung.

Work Details:

- Lecturer for *Basic and Advanced Photography*

2009-2011 Guest Lecturer in Design Communication Visual, Faculty art and Design, *Institut Teknologi Nasional* (www.itenas.ac.id). Located in Bandung.

Work Details:

- Lecturer for *Basic Photography, Design and Applicable Photography, Audio Visual, Computer Graphic and Multimedia Interactive*

2009-2012 Application & Software Consultant di *MediaNetIndonesia*, a System Integrator & Last mile Provider Company, Located in Jakarta.

Work Details:

- Responsible for gathering client requirement, Software analysis, and Software development.
- Working Remotely / Off site

2007-2010 Lecturer in Informatics Engineering, Faculty of Technology and Computer Science, *Universitas Komputer Indonesia* (if.unikom.ac.id), Located in Bandung.

Work Details:

- Lecturer for *Computer Graphic, Image Processing, Distribution System, Multimedia System, Numerical Methods, Mathematics Logics/Discreet, Operating System*.
- Research and Student Administration

2007-2012 Photographer / Art Director in *Cubic Photography* (Jl. Pasteur 19, Bandung), a creative company which specialize in design/photography/videography for company profile, video clip, etc, Located in Bandung.

2003-2012 Stock Photographer at photo agency www.alamy.com, Located in United Kingdom.

2007-2008 Guest Lecturer in Management Informatics at *AMIK HASS*, Bandung (www.amikhass.ac.id).

Work Details:

- Lecturer for *Object Oriented Programming and Java Programming*

2006-2008 Regional Manager, *PT Inet Global Indo* (www.inet.net.id), an Internet Services Provider Company, Located in Bandung

Work Details:

- Manage regional company daily operation, including sales, technical support and human resources management.
- Strategic policy maker for company business development in regional Bandung
- Manage all technical aspect (internal and external) including, networking installation, fiber optic termination, server room, and satellite solution between client and point of present

2003-2006 Web designer / programmer / Consultant for an IT company *Samaratech* (www.samaratech.net), Located in France and United Kingdom.

Work Details:

- System and Design Consultation for Client Website

2004-2005 Main Programmer, IT Consultant and a Photographer for Archiving Management System at *Alveyantowers* (www.alveyantowers.com) a stock photo agency based in Leicester, United Kingdom.

Work Details:

- Designing archiving system (library), flexible system for digital archival, with ten thousand more of photos.
- Main programmer
- Designing User interface

2002-2004 System analyst at *ARDM (Atelier de Recherche et Développement Multimédia)* in Amiens, France. *ARDM* is a company for eLearning and long distance learning solution. The clients mainly are universities in France, Morocco, Tunisia, Hungary.

Work Details:

- Designing distance learning solution for universities depends on socio behavior of the students (local)
- Creating solution using Java Swing Language that cannot work on different type of platform.
- Demo / Presentation to the Client.

1999-2000 Consultant Team Member as a System Analyst for Document Management System Development and Document Multimedia & Web Application at *PT. Astra Graphia (Xerox Indonesia)*

(www.astragraphia.co.id), based in Jakarta

Work Details:

- Client Solution and Consultation about Office Document System and the importance of migrating to Digital System.
- Research on Hardware/Software to Support the Solution system
- Demo / Presentation to Client

1998-1999 Manager of “Document Center Solution” Department which task included Document Archiving/Filing System, Database/Indexing, Web Based Solution and Handling Multimedia Document at *PT. Astra Graphia (Xerox Indonesia)* (www.astragraphia.co.id), based in Jakarta.

Work Details:

- Forming Team for each Project for Document Center Solution
- Creating Plan/Prototype

1998-1999 Guest Lecturer at Faculty Computer Science and Information Technology di *Universitas Gunadarma Indonesia* (www.gunadarma.ac.id).

Work Details:

- Lecturer for Algorithm and Programming.

1997-1998 System Analyst and System Administrator at *PT. Astra Graphia* Bandung branch (www.astragraphia.co.id).

Work Details:

- Planning and Creating Virtual Private Network for Internal Office Networking
- System Analyst and Technical Sales Support

PAPER/RESEARCH

1. Alamsyah, A., Priyana, Y., Rahardjo, B., Kuspriyanto. (2017). **Fast Summarization of Large-Scale Social Network Using Graph Pruning Based on K-Core Property**. In *Journal of Theoretical and Applied Information Technology*. 31st August 2017, Vol. 95, No. 16
2. Alamsyah, A., Saviera, F. (2017). **A Comparison of Indonesia's E-Commerce Sentiment Analysis for Marketing Intelligence Effort (case study of Bukalapak, Tokopedia, and Elevenia)**. In the 8th *International Conference on Sustainable Collaboration in Business, Technology, Information and Innovation*. July 2017
3. Alamsyah, A., Shafira, S., Yudhistira, M.A. (2017). **Summarizing Online Conversation of Indonesia Tourism Industry using Network Text Analysis**. In the 8th *International Conference on Sustainable Collaboration in Business, Technology, Information and Innovation*. July 2017
4. Alamsyah, A., Sudradjat, F.D., Irawan, H. (2017). **Property Business Classification Model Based on Indonesia E-Commerce Data**. In the 8th *International Conference on Sustainable Collaboration in Business, Technology, Information and Innovation*. July 2017
5. Alamsyah, A., Laksyani, N., Rahmi, L.A. (2017). **A Core of E-Commerce Customer Experience Based on Conversational Data using Network Text Methodology**. In the 8th *International Conference on Sustainable Collaboration in Business, Technology, Information and Innovation*. July 2017
6. Alamsyah, A., Nurris, B. (2017). **Monte Carlo Simulation and Clustering for Customer Segmentation in Business Organization**. In the 3rd *International Conference on Science and Technology*. July 2017
7. Alamsyah, A., Sarniem, B.C, Indrawati, I. (2017). **Direct Comparison Method of Information Dissemination Using Legacy and Social Network Analysis**. In the 3rd *International Conference on Science and Technology*. July 2017
8. Alamsyah, A., Adityawarman, F. (2017). **Hybrid Sentiment and Network Analysis of Social Opinion Polarization**. In the 5th *International Conference on Information and Communication Technology*. May 2017
9. Arusada, M.D.N., Alamsyah A., Putri, N.A.S. (2017). **Training Data Optimization Strategy for Multiclass Text Classification**. In the 5th *International Conference on Information and Communication Technology*. May 2017
10. Indrawati, I., Alamsyah, A. (2017). **Social Network Data Analytic for Marketing Segmentation in Indonesian Telecommunication Industry**. In the 5th *International Conference on Information and Communication Technology*. May 2017
11. Mahasagara, S., Alamsyah, A., Rikumahu, B. (2017). **Indonesia Infrastructure and Consumer Stock Portfolio Prediction using Artificial Neural Network Backpropagation**. In the 5th *International Conference on Information and Communication Technology*. May 2017
12. Alamsyah, A., Sofyan, E., Aprilliyanti, B., Aini, V (2017). **Top Brand Alternative Measurement Based on Consumer Network Activity**. In *Advanced Science Letters* 23:3813-3816, April 2017.
13. Alamsyah, A., Indraswari, A (2017). **Social Network and Sentiment Analysis for Social Customer Relationship Management in Indonesia Banking Sector**. In *Advanced Science Letters* 23:3808-3812, April 2017
14. Peranginangin, Y., Alamsyah, A. (2017). **Multiple Regression to Analyze Social Graph of Brand Awareness**. In *Journal Telkomnila Vol 15, No 1 March 2017*
15. Aslam, F., Alamsyah, A (2016). **The Small World Phenomenon and Network Analysis of ICT Startup Investment in Indonesia and Singapore**. In *The 7th Smart Collaboration for Business in Technology and Information Industry*
16. Septiadi, H., Ariandika, C., Alamsyah, A (2016). **Prediction Models Based on Flight Tickets and Hotel Rooms Data Sales for Recommendation System in Online Travel Agent Business**. In *The 7th Smart Collaboration for Business in Technology and Information Industry*

17. Alamsyah, A., Sofyan, E., Nabila, T (2016). **Measuring Marketing Communications Mix Efforts Using Magnitude of Influence and Influence Rank Metric.** In *The 7th Smart Collaboration for Business in Technology and Information Industry*
18. Imtiyazi, M., Alamsyah, A., Junaedi, D., Pradana, J (2016). **Word Association Network Approach for Summarizing Twitter Conversation about Public Election.** In *The 4th International Conferences on Information and Communication Technology*
19. Alamsyah, A., Paryasto, M., Putra, F., Himmawan, R (2016). **Network Text Analysis to Summarize Online Conversations for Marketing Intelligence Efforts in Telecommunication Industry.** In *The 4th International Conferences on Information and Communication Technology*
20. Alamsyah, A., Rahmah, W., Irawan, H (2015). **Sentiment Analysis Based on Appraisal theory for Marketing Intelligence in Indonesia Mobile Phone Market.** In *Journal of Theoretical and Applied Information Technology*, Vol 82, Desember 2015
21. Alamsyah, A., Peranginangin, Y., Muchtadi, I., Rahardjo, B., Kuspriyanto. (2015). **Graph Sampling Approach for Reducing Computational Complexity of Large-Scale Social Network.** In *International Conference on Mathematic: Pure, Applied, and Computation.*
22. Johannes, R., Alamsyah, A (2015). **Sales Prediction Model Using Classification Decision Tree Approach for Small Medium Enterprise based on Indonesia E-Commerce Data.** In *The 6th International Conference on Snapshot of Content Business in Today ICT's Industry*, November 2015.
23. Alamsyah, A., Peranginangin, Y. (2015). **Network Market Analysis using Large Scale Social Network Conversation of Indonesia's Fast Food Industry.** In *The 3rd International Conferences on Information and Communication Technology*
24. Pandapotan, I.M., Paryasto, M., Alamsyah, A. (2015) **Indonesian Music Fans Group Identification using Social Network Analysis in Kaskus Forum.** In *The 3rd International Conferences on Information and Communication Technology*
25. Alamsyah, A., Peranginangin, Y. (2015). **Social Engagement Analysis in Online Conversation of Indonesia Higher Education.** In *The 3rd International Conferences on Information and Communication Technology*
26. Alamsyah, A., Rahardjo, B., Kuspriyanto., Peranginangin, Y., Muchtadi, I. (2014). **Reducing Computational Complexity of Network Analysis using Graph Compression Methods for Brand Awareness Effort.** In *The 3rd International Conferences on Computational Science and Technology*
27. Alamsyah, A., Peranginangin, Y., Nurhadi, G. (2014). **Learning Organizations using Conversational Social Network for Social Customer Relationship Management Effort.** In *the 2nd International Conference and Seminar on Learning Organizations.*
28. Alamsyah, A., Putri, F., Sharif, O.O. (2014). **Social Network Modelling Approach for Brand Awareness.** In *The 2nd International Conferences on Information and Communication Technology*
29. Alamsyah, A., Rahardjo, B., Paryasto, M. (2014). **Big Data Security Management Issue.** In *The 2nd International Conferences on Information and Communication Technology*
30. Alamsyah, A., Rahardjo, B., Kuspriyanto. (2014). **Community Detection Method in Social Network Analysis.** In *Advanced Science Letters, Volume 20, Number 1 (January 2014) pp. 250-253*
31. Alamsyah, A., Peranginangin, Y. (2013). **Effective Knowledge Management Using Big Data and Social Network Analysis.** In *Learning Organization: Management and Business International Journal Vol 1 No 1(Desember 2013) ISSN: 2354-660*
32. Alamsyah, A. (2013). **Role of Social Network Analysis in Knowledge Management.** In *Jurnal Manajemen Indonesia, Vol 12, Number 14 (April 2013), ISSN: 1411 – 7835, pp. 309-314*
33. Alamsyah, A., Rahardjo, B., Kuspriyanto. (2013). **Deteksi Financial Fraud menggunakan Social Network Analysis.** In *e-Indonesia Initiatives Forum 9*, ISBN: 978-979-16338-5-7
34. Alamsyah, A., Rahardjo, B., Kuspriyanto. (2013). **Taxonomy of Social Network Analysis Taxonomy Based on Graph Representation.** In *The 5th Indonesia International Conference on Innovation, Entrepreneurship and Small Business*
35. Peranginangin, Y., Alamsyah, A., (2013). **Assessing iTunesU on User Experience in Higher Education Using FRAME Model.** In *The 5th Indonesia International Conference on Innovation, Entrepreneurship and Small Business*
36. Peranginangin, Y., Alamsyah, A., Ramantoko, G., (2013). **Adopting Online Course into Higher Education Curriculum.** In *2013, International Conference in Services Technology and Information Engineering (ISTIE).*
37. Alamsyah, A., Ramantoko, G. (2012). **Implementation of M-Learning in Higher Education in Indonesia.** In *the Proceedings of the 3rd International Conference on Technology and Operations Management (ICTOM)*, ISBN: 978-979-15458-4-6
38. Alamsyah, A., Muchtadi, I (2010). **On Rijndael Cryptography Using Basis Conversion.** In *Proceedings of Regional Conference on Knowledge Integration on ICT (INTEGRATION 2010)*

TALKS and WORKSHOP

1. **Big Data Analytics Implementation** – Talks at **Badan Pusat Statistik**, 5 Desember 2017
2. **Huawei TechDay**, Topics: **Big Data Analytics for Social Innovation**, Telkom University, 31 Agustus 2017
3. **Workshop Technopreneur** – Talks at **Clicksquare Bandung**, 12 April 2017
4. **Penerapan Teknologi Big Data dalam Transformasi Pendidikan dan Pembelajaran** – Talks at *Universitas Pendidikan Indonesia*, 1 April 2017
5. **Data Science Business Perspective** - Talks at *Institut Teknologi Sumatra - idBigData dan AIDI*, 31 Januari 2017
6. **Asosiasi Ilmuwan Data Indonesia** – Talks at **Konferensi Big Data Indonesia 2016**, 7-8 Desember 2016
7. **Teknik Analisis Big Data dengan Data Science dalam Sudut Pandang Bisnis** – Talks at **Universitas Respati Indonesia**, 25 Agustus 2016
8. **Workshop Big Data: Text Mining** – Workshop at **Kominfo**, 21 - 22 Juli 2016
9. **Workshop Social Network Analysis for Media Strategy** – Workshop at **Kominfo**, 15-18 Maret 2016
10. **Social Network Analysis for Business** – Talks at **Konferensi Big Data Indonesia**, 1-2 Desember 2015
11. **Social Media Strategy** – Workshop at **Kominfo**, 9 -10 Juli 2015
12. **Big Data Analytics** – Workshop at **Lembaga Sandi Negara & ScienceCom**, 15-19 Juni 2015
13. **Big Data: A Social Network Approach** – Talks at **Seminar idBigData MeetUp**, 9 Juni 2015
14. **Big Data dan Cloud Computing** – Talks at **Kominfo**, 19 Mei 2015
15. **Diseminasi Ilmiah “Social Network: Mining Online Data for Business”** – Talks at **Faculty of Economic and Business, Telkom University**, 6 February 2015
16. **Big Data Analytics for Communication Science** – Talks at **Faculty Communication and Business, Telkom University**, 15 January 2015
17. **Data Monetization** – Workshop at **Telkom Metra**, 26 November 2014
18. **Penulisan Blog Website** – Workshop at **Faculty of Economic and Business, Telkom University**, 17 Juni 2014
19. **Social Network Analysis** – Workshop at **Lembaga Sandi Negara & ScienceCom**, 11-12 Juni 2014
20. **Jejaring Sosial untuk Akademisi** – Talks at **Jaringan Peneliti Jawa Barat, Unpad**, 6 Juni 2014
21. **Social Network, Metric, and Computational Problem** – Talks at **ProCodeCG**, 20 Februari 2014
22. **Ketrampilan Berpikir Matematika** – Workshop at **Rumah Belajar Semi Palar**, 29 Januari 2014

JOINT RESEARCH

1. **Network Topology for Early Warning System** – **Bank Indonesia**, Maret –Agustus 2017
2. **Pemetaan Jejaring Teror** - **Kementrian Koordinator Bidang Politik, Hukum, dan Keamanan Republik Indonesia**, Maret – Agustus 2016

ASSOCIATIONS / COMMUNITIES

1. **Founder and Chairman of Asosiasi Ilmuwan Data Indonesia (AIDI)**, since November 2016
2. **Member of Data Science Indonesia**, since 2016
3. **Member of idBigData**, since 2015