GENERAL INFORMATION

Name: Dr. Andry Alamsyah, S.Si, M.Sc
Place and Date of Birth : Malang, 27 – 09 – 1971
Phone: 0811200412
Email: andry.alamsyah@gmail.com / andrya@telkomuniversity.ac.id
Blog: andrybrew.blog

Research Topics: *Social Computing, Computational Social Science, Big Data Analytics, Social Network Analysis, Blockchain Technology, Sentiment Analysis / Opinion Mining, Complex Network, Mobile Technology, User Experience (UX), Large-Scale Social Network and Database, Graph Theory, Statistics, Data Mining.*
Social Computing Applications in Economy, Business and Management area *such as Personalized Marketing, Knowledge Management, Customer Relationship Management, Diffusion Information / Communication*

Google Scholar : https://scholar.google.com/citations?user=IZuCfzsAAAAJ&hl=en
Scopus : https://www.scopus.com/authid/detail.uri?authorId=55932829400

FORMAL EDUCATION

- **2012 – 2017:** Doctor – Doctoral Program School of Electrical Engineering and Informatics, *Institut Teknologi Bandung* (stei.itb.ac.id)
  Topic: Big Data and Social Network
- **2001- 2003**: Master - 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)
  Topic: Long Distance Learning (Virtual Class)
- **1990 - 1996**: Bachelor - Mathematics, Faculty of Mathematics and Natural Science, *Institut Teknologi Bandung* (math.itb.ac.id)
  Topic: Time Series (Statistics)

PROFESSIONAL EXPERIENCE

2018-now Director of Digital Business Ecosystem Research Center, Telkom University. (dbe.telkomuniversity.ac.id).
Work Details:
- Initiate research-based collaboration between university and partners such as other universities, industries, government, and communities.
- Initiate research based efficient economic activities themes based on information and communication technology to challenge disruptive, unpredictable, and sustainable business model
- Forming team for research, dissemination knowledge such as seminar or conference, and implement the research to help the communities.
- Responsible for non-tuition fee activities planning and execution

2011-now School of Economics and Business, Telkom University
Work Details:
- Senior Researcher and Head of Social Computing and Big Data Laboratory (labscbd.id)
- Lecturer of the following subjects: *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.*

2010-2012 Guest Lecturer in International Program, *Institut Teknologi Harapan Bangsa* (www.ithb.ac.id).
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).
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).
Work Details:
- Lecturer for *Basic Photography, Design and Applicable Photography, Audio Visual, Computer Graphic and Multimedia Interactive*

2009-2012 Application & Software Consultant in *MediaNetIndonesia*, a System Integrator & Last mile Provider Company.
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).
Work Details:
- Lecturer of the following subjects: *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* (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.
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*, 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 *Alveyandtowers* (www.alveyandtowers.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 Développment 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).
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).
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

RESEARCH PUBLICATIONS (Ordered by Publication Date)

1. Alamsyah, A., Ramadhani, D.P., Kristanti, F.T. (2020). **Event-based Dynamic Banking Network Exploration for Economic Anomaly Detection.** *Journal of Theoretical and Applied Information Technology Vol 98, No 7.*
2. Alamsyah, A., Widiyanesti, S., Putra, R.D., Sari, P.K. (2020). **Personality Measurement Design for Ontology based Platform using Social Media Text**. *Advances in Science, Technology, and Engineering Systems, Vol 5, Issue 3, Page 100-107.*
3. Alamsyah, A., Rachman, M.F., Hudaya, C.S, Rifkyano, A.I., Nurwianti, F. (2020). **A Proposed Concept and Platform for Ontology based Personality Measurement Model.** *Test Engineering and Management, Vol 83, March-April 2020.*
4. Alamsyah, A., Rochmah, W.Y., Nurnafia, A.N. (2020). **Deciphering Social Opinion Polarization Towards Political Event using Topic Modelling and Dynamic Network Analysis.** *International Journal of Innovation, Creativity, and Change, Vol 11, Issue 1, Maret 2020*
5. Adilah, D., Alamsyah, A. (2019). **An Augmented Method of Selecting Fashion Talent by Adding Social Media Characteristics.** *In International Conference on ICT for Smart Society (ICISS), November 2019*
6. Alamsyah, A., Bernatapie, E.A. (2019). **Evolving Customer Experience Management in Internet Service Provider Company using Text Analytics.** *In International Conference on ICT for Smart Society (ICISS), November 2019*
7. Fakhrurroja, H., Atmaja, M.N., Panjaitan, J.N.C.G., Alamsyah, A., Munandar, A. (2019). **Crisis Communication on Twitter: A Social Network Analysis of Christchurch Terrorist Attack in 2019.** *In International Conference on ICT for Smart Society (ICISS), November 2019*
8. Alamsyah, A., Ramadhani, D.P., Putra, M.R.D., Kristanti, F.T. (2019). **Event Driven Motif Exploration of Dynamic Banking Transaction Network**. *In International Workshop on Big Data and Information Security (IWBIS), October 2019*

9. Saputra, M.A.A., Alamsyah, A., Fatihan, F.I. (2019). **Hotel Preference Rank Based on Online Review.** *In International Conference Engineering Technology and Technopreneurship (ICE2T), August 2019*

10. Alamsyah, A., Rachman, M.F., Hudaya, C.S., Putra, R.P, Rifkiyano, A.I., Nurwianti, F. (2019). **A Progress on the Personality Measurement Model using Ontology based on Social Media Text**. *In the International Conference on Information Management and Technology (ICIMTECH)*, August 2019

11. Rochmah, W.Y., Nugroho, D.D.A., Alamsyah, A. (2019). **Understanding Public Opinion Towards New Sharing Economy Business Model using Content Analysis.** *In the International Conference on Information Management and Technology (ICIMTECH)*, August 2019

12. Yudiana, W.A., Ariyanti, M., Alamsyah. (2019). **"Wisdom of the Crowd" as Personalized Music Recommendation Model for Langit Musik Service"**. *In the International Conference on Information Management and Technology (ICIMTECH)*, August 2019

13. Alamsyah, A., Ramadhani, D.P. (2019). **Air Transportation Network Robustness under Random and Hub-Based Disruptions.** *In the 7th International Conference on Information and Communication Technology. July 2019*

14. Solin, M.I.M., Alamsyah, A., Rikumahu, B., Saputra, M.A.A. (2019). **Forecasting Portfolio Optimization using Artificial Neural Network and Genetic Algorithm.** *In the 7th International Conference on Information and Communication Technology. July 2019*

15. Masrury, R.A., Fannisa, Alamsyah, A. (2019). **Analyzing Tourism Mobile Applications Perceived Quality using Sentiment Analysis and Topic Modelling.** *In the 7th International Conference on Information and Communication Technology. July 2019*

16. Masrury, R.A., Saputra, M.A.A., Alamsyah, A., Primantasi, M.A.S. (2019). **A Comparative Study of Hollywood Movie Successfulness Prediction Model.** *In the 7th International Conference on Information and Communication Technology. July 2019*

17. Alamsyah, A., Friscintia, P.B.A. (2019). **Artificial Neural Network for Indonesian Tourism Demand Forecasting.** *In the 7th International Conference on Information and Communication Technology. July 2019*

18. Alamsyah, A., Ayu, S.P., Rikumahu, B. (2019). **Exploring Relationship between Headline News Sentiment and Stock Return**. *In the 7th International Conference on Information and Communication Technology. July 2019*

19. Alamsyah, A., Putra, M.R.D. (2019). **Measuring Information Dissemination Mechanism on Retweet Network for Marketing Communication Effort – Case Study: Samsung Galaxy S10 Launch Event.** *In the 7th International Conference on Information and Communication Technology. July 2019*

20. Alamsyah, A., Saputra, M.A.A., Masrury, R.A. (2018). **Object Detection using Convolutional Neural Network to Identify Popular Fashion Product.** *In International Conference on Data and Information Science. November 2018*

21. Putra, R.P., Fakhrurroja. H., Alamsyah, A. (2018). **Understanding Public Attitude towards Political Candidate through Conversational Network in West Java Regional Election.** *In International Conference on Data and Information Science. November 2018*

22. Yudowati, S.P., Alamsyah, A. (2018). **Big Data Framework for Auditing Process.** *In MSDG Conferences. August 2018*

23. Alamsyah, A., Arasyi, T. (2018). **Supporting Investment Decision using Socio-Economic Issues Exploration and Stock Price Prediction**. *In The 2018 Symposium of Advance Intelligent. August 2018.*

24. Alamsyah, A., Permana, F. (2018). **Artificial Neural Network for Predicting Indonesian Economic Growth**. *In The 2018 Symposium of Advance Intelligent. August 2018.*

25. Alamsyah, A., Laksmiani, N., Rahmi, L.A. (2017). **A Core of E-Commerce Customer Experience Based on Conversational Data using Network Text Methodology.** *In International Journal of Business Volume 23, Number 3, August 2018*

26. Alamsyah, A., Ginting, D.M. (2018). **Analyzing Employee Voice using Real Time Feedback**. *In the 4th International Conference on Science and Technology. August 2018.*

27. Alamsyah, A., Salma, N. (2018). **A Comparative Study of Employee Churn Prediction Model**. *In the 4th International Conference on Science and Technology. August 2018.*

28. Alamsyah, A., Syawiluna, M. (2018). **Mapping Organization Knowledge Network and Social Media Reputation Management**. *In Journal of Data Science and Its Application (JDSA). July 2018*

29. Alamsyah, A., Ramadhani, D.P. (2018). **The Dynamic of Banking Network Topology** case study: Indonesian Presidential Election Event. *In the 2018 International Workshop on Big Data and Information Security. May 2018*

30. Yudowati, S.P., Alamsyah, A. (2018). **Big Data Framework for Auditing Process.** *In the 3rd Advances in Social Sciences Research International Conference (ASSRIC) / Advanced Science Letters. May 2018*

31. Alamsyah, A., Putra, M.R.D., Fadhilah, D.D., Nurwianti, F., Ningsih, E. (2018). **Ontology Modelling Approach for Personality Measurement based on Social Media Activity**. *In the 6th International Conference on Information and Communication Technology. May 2018*

32. Alamsyah, A., Zahir, A.N. (2018). **Artificial Neural Network for Predicting Indonesia Stock Exchange Composite using Macroeconomics Variables**. *In the 6th International Conference on Information and Communication Technology. May 2018*

33. Alamsyah, A., Rizkika, W., Nugroho, D.D.A., Renaldi, F., Saadah. (2018). **Dynamic Large-Scale Data on Twitter using Sentiment Analysis and Topic Modeling** (Case Study: Uber). *In the 6th International Conference on Information and Communication Technology. May 2018*

34. Alamsyah, A., Bratawisnu, M.K., Sanjani, P.H. (2018). **Finding Pattern in Dynamic Network Analysis**. *In the 6th International Conference on Information and Communication Technology. May 2018*

35. Alamsyah, A., Utami, A. (2018). **Social Network Performance Analysis and Content Engagement on Indonesia's E-Commerce** (Case Studies Tokopedia and Bukalapak). *In the 6th International Conference on Information and Communication Technology. May 2018*

36. Sari, P.K., Alamsyah, A., Wibowo, S. (2018). **Measuring e-Commerce Service Quality from Online Customer Review using Sentiment Analysis** (Case Study: Tokopedia). *In Journal of Physics: conference Series, Volume 971*

37. Alamsyah, A., Rachmadiansyah, I. (2018). **Mapping Online Transportation Service Quality and Multiclass Classification Problem Solving Priorities.** *In Journal of Physics: conference Series, Volume 971*

38. Alamsyah, A., Nugroho, T.B.A., (2018). **Predictive Modelling for Startup and Investor Relationship based on Crowdfunding Platform Data.** *In Journal of Physics: conference Series, Volume 971*

39. Alamsyah, A., Nuruz, F. (2017). **Measuring Public Sentiment Towards Service Level in Online Forum using Naïve Bayes Classifier Method and Word Cloud**. In CRS-ForMIND International Conference and Workshop 2017.

40. 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*

41. Alamsyah, A., Gustyana, T., Fajaryanto, A., Septiafani, D. (2017). **Open Data Analytical Model for Human Development Index Optimization to Support Government Policy**, ISCLO 2017

42. 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*

43. 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*

44. 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*

45. Alamsyah, A., Nurriz, B. (2017). **Monte Carlo Simulation and Clustering for Customer Segmentation in Business Organization.** *In the 3rd International Conference on Science and Technology. July 2017*

46. 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*

47. 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*

48. 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*

49. 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*

50. 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*

51. 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.*

52. 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*

53. Peranginangin, Y., Alamsyah, A. (2017). **Multiple Regression to Analyze Social Graph of Brand Awareness**. *In Journal Telkomnila Vol 15, No 1 March 2017*

54. 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*

55. 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*

56. 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*

57. 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*

58. 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*

59. Alamsyah, A., Rahmah, W., Irawan, H (2015). **Sentiment Analysis Based on Appraisal theory for Marketing Intelligence in Indonesia Mobile Phone Market**. In *Journal of Theoritical and Applied Information Technology*, Vol 82, Desember 2015

60. Alamsyah, A., Peranginangin, Y., Muchtadi, I., Rahardjo, B., Kuspriyanto. (2015). **Graph Sampling Approach for Reducing Coputational Complexity of Large-Scale Social Network**. In *International Conference on Mathematic: Pure, Applied, and Computation.*

61. 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.

62. 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*

63. 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*

64. 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*

65. Alamsyah, A., Rahardjo, B., Kuspriyanto., Perangnangin, 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*

66. 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.*

67. 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*

68. Alamsyah, A., Rahardjo, B., Paryasto, M. (2014). **Big Data Security Management Issue**. In *The 2nd International Conferences on Information and Communication Technology*

69. 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*

70. 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*

71. 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*

72. 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

73. 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*

74. 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*

75. 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).*
76. 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
77. Alamsyah, A., Muchtadi, I (2010). **On Rijndael Cryptography Using Basis Conversion**. *In Proceedings of Regional Conference on Knowledge Integration on ICT (INTEGRATION 2010)*

BOOK

1. Alamsyah, A., Peranginangin, Y (2014). **Mobile Content Development**. *Penerbit Arcadia*. ISBN : 9786027274204

CERTIFICATION

1. International Certification: **Big Data Analyst with TUV Rheinland Certified Qualification**. Test Mark Number 0000070902. Valid until 2022-08-23
2. **Computational Social Science Specialization.** University of California (UC Davis), Coursera, June 2020
3. **Blockchain Revolution Specialization.** INSEAD, Coursera, May 2020

TALKS and WORKSHOP (Ordered by Event Date)

1. **Big Data untuk Penelitian Sosial** – Webinar at Indonesian Association for Public Administration (IAPA), 7 Juli 2020
2. *Riset Big Data: Bagaimana Data Media Sosial bisa Memprediksi Kepribadian, Sikap, and Perilaku Kita* - Science Day: Online Discussion, Fakultas Psikologi Universitas Indonesia, 26 Juni 2020
3. *Introduction to Blockchain: Revolutionized the World* – Webinar at Fakultas Ekonomi dan Bisnis, Telkom University, 28 May 2020
4. *Talent Digital di Industri 4.0* – Webinar at Technaut Education, 30 April 2020
5. *Introduction to Blockchain* – Webinar at Technaut Education, 21 April 2020
6. *Social Media Analytics* – Workshop at Badan Pusat Statistik (BPS), Jakarta, 10 Maret 2020
7. *Statistics for Data Science and Research* – Workshop at Universitas Amikom Jogjakarta, 27 Februari 2020.
8. *Data Science Talents* – Talks at Data Science Seminar, Universitas Gunadarma, 4 Februari 2020
9. *Big Data Analytics* – Talks at Seminar Nasional Optimalisasi Big Data dalam Era Revolusi Industri 4.0, Universitas Buana Perjuangan Karawang, 1 Februari 2020
10. *Big Data and AI: Disruptions on Society* – Talks at Dept. Computer Science, Universitas Maranatha, 6 Desember 2019
11. *Big Data for Central Bank Policy: Concept and Framework* – Talks at Bank Indonesia, 4 Desember 2019
12. *Introduction to (Big) Data Analytics* – Talks at Dept of Computer Science, Universitas Pertamina, 28 November 2019
13. *Big Data and AI: Disruptions on Society* – Talks at HackData 2019 event by Indosat Ooredoo, 28 November 2019
14. *Computational Psychology* – Talks at Faculty of Psychology, Universitas Indonesia, 11 November 2019
15. *Understanding Business and Human Behavior through Big Data Analytics* – Keynote Speaker at Pupuk Kaltim Inovation Award, 1 November 2019
16. *Fighting Corruption: An Academic Overview* – Talks at Sarasehan Pustaka "Tantangan Pemberantasan Korupsi di Era 4.0", KPK, 29 Oktober 2019
17. *Business, Technology, and Market Changes during Industry 4.0* – Talks at Indonesian Actuarial Conference IV: Actuaries for The Industry 4.0, Persatuan Aktuaris Indonesia (PAI), 18 Oktober 2019
18. *Bandung Society Ecosystem International Conference* – Keynote Speaker, School of Creative Industry Telkom University, 17 Oktober 2019
19. *Data and Diplomacy* – Talks at Program of Capacity Building for Cambodia, Lao PDR, Myanmar, Vietnam and Timor Leste Diplomats, The Minister of Foreign Affairs of Republic Indonesia, 2 Oktober 2019
20. *Artificial Intelligence: Promises and Pitfalls for Development* – Talks at World Bank INSPIRE: Knowledge Series, World Bank, 30 September 2019

21. ***The Role of Digital Diplomacy in Crisis Situation –*** Keynote Speaker on Regional Conference on Digital Diplomacy, Directorate Information and Media Affairs, The Minister of Foreign Affairs of Republic Indonesia, 10 September 2019
22. ***Fundamentals Big Data Analytics*** – Talks at Kementrian Keuangan RI, Direktorat Jendral Perimbangan Keuangan, Direktorat Evaluasi Pengelolaan dan Informasi Keuangan Daerah, 13 Agustus 2019
23. ***Big Data Analytics*** – Workshop at International Colloquium Exploring Research Opportunity, SBM-ITB, 8 Agustus 2019
24. ***Data Science Curriculums*** – Focus Group Discussion, Tau-data & Universitas Indonesia, 3 Agustus 2019
25. ***Data Analytics for Business Leader*** – Workshop at Kementrian Keuangan RI, Badan Pendidikan dan Pelatihan Keuangan, Pusat Pendidikan dan Pelatihan Keuangan Umum, 27 Juni 2019
26. ***Data analytics Era: The Future of Data Scientist*** – Talks at idBigData Meetup, Universitas Lambung Mangkurat Banjarmasin, 18 Juni 2019
27. ***Open Source Intelligence*** – Workshop at Kementrian Luar Negeri, 30 April 2019
28. ***Data Engineering*** – Workshop at Kementrian Keuangan RI, Badan Pendidikan dan Pelatihan Keuangan, Pusat Pendidikan dan Pelatihan Keuangan Umum, 25-26 April 2019
29. ***Social Media Analytics*** – Workshop at Faculty Economic and Business, Universitas Pendidikan Indonesia, 24 April 2019
30. ***Math and Big Data Seminar*** – Talks at **Himpunan Mahasiswa Matematika, Unisba,** 16 February 2019
31. ***Claim Data Behavior Analysis Workshop*** – **Persatuan Aktuaris Indonesia (PAI)**, 13 February 2019
32. ***Social Media Analytics Workshop*** – **BMKG**, 7 Desember 2018
33. ***Fostering Inclusive Development and Sustainibility in Industrial Revolution 4.0 Through Digital Business Ecosystem*** – Keynote Speaker at Sustainable Collaboration in Business, Technology, Information and Innovation Conference, Bandung, 15 November 2018.
34. ***Big Data Roadmap and Taxonomy*** – Talks at **Divisi Humas, Polri**, 23 Oktober 2018
35. ***Big Data and Internet of Things Era Revolusi Industri 4.0*** – Talks at Unikom Bandung, 15 Oktober 2018
36. ***Big Data is a Game Changer*** – Talk at **UnionSpace x BizNet**, 27 September 2018
37. ***Social Media Analytics Workshop*** – **Direktorat Jendral Pajak**, 19-21 September 2018
38. ***Uncovers Data Analytics Potential to Accelerate Business Activities through Concept and Case Study*** – Talk at Joint Regional Seminar, **Persatuan Aktuaris Indonesia (PAI)**, 1 Agustus 2018
39. ***Understanding Data Analytics*** – Talk at Creative Industry Faculty, Telkom University, 19 Juli 2018
40. ***How to Write Publication for Reputable International Journal*** – Workshop at Politeknik **Negeri Pontianak**, 6 Juli 2018
41. ***Big Data in Education*** – Talk at Direktorat Higher Education, **Yayasan Pendidikan Telkom**, 29 Juni 2018
42. ***Introduction to Data Science*** – Data Science Workshop at **LabTekIndie**, 11 Maret 2018
43. ***Big Data and Data Science Research Methodology*** – Workshop and General Lectures at **Universitas Ahmad Dahlan**, Yogyakarta, 21-22 Maret 2018
44. ***Big Data and Artificial Intelligence Implementation for Supporting BMKG Services*** – Talk at **Badan Meteorologi, Klimatologi, dan Geofisika (BMKG)**, 12 Maret 2018
45. ***Kick Off Seminar: Big Data Development in Education and Business Practice*** – Talk at **School of Business Management (SBM), Institut Teknologi Bandung (ITB),** 9 Maret 2018
46. ***Big Data Analytics Implementation*** – Talk at **Badan Pusat Statistik,** 5 Desember 2017
47. ***Huawei TechDay***, Topics: **Big Data Analytics for Social Innovation** - Talk at CDC, Telkom University, 31 Agustus 2017
48. ***Workshop Technopreneur*** – Talk at **Clicksquare Bandung**, 12 April 2017
49. ***Penerapan Teknologi Big Data dalam Transformasi Pendidikan dan Pembelajaran*** – Talk at **Universitas Pendidikan Indonesia,** 1 April 2017
50. ***Data Science Business Perspective*** - Talk at **Institut Teknologi Sumatra (ITERA) - idBigData dan AIDI**, 31 Januari 2017
51. ***Asosiasi Ilmuwan Data Indonesia –*** Talk at ***Konferensi Big Data Indonesia 2016***, 7-8 Desember 2016
52. ***Teknik Analisis Big Data dengan Data Science dalam Sudut Pandang Bisnis*** – Talk at **Universitas Respati Indonesia**, 25 Agustus 2016
53. ***Workshop Big Data: Text Mining*** – Workshop at **Kominfo**, 21 - 22 Juli 2016
54. ***Workshop Social Network Analysis for Media Strategy*** – Workshop at **Kominfo**, 15-18 Maret 2016
55. ***Social Network Analysis for Business*** – Talk at **Konferensi Big Data Indonesia**, 1-2 Desember 2015
56. ***Social Media Strategy*** – Workshop at **Kominfo**, 9 -10 Juli 2015
57. ***Big Data Analytics*** – Workshop at **Lembaga Sandi Negara & ScienceCom**, 15-19 Juni 2015
58. ***Big Data: A Social Network Approach*** – Talk at **Seminar idBigData MeetUp**, 9 Juni 2015
59. ***Big Data dan Cloud Computing*** – Talk at **Kominfo**, 19 Mei 2015
60. ***Diseminasi Ilmiah "Social Network: Mining Online Data for Business"*** – Talk at **Faculty of Economic and Business, Telkom University**, 6 February 2015

61. *Big Data Analytics for Communication Science* – Talk at **Faculty Communication and Business, Telkom University**, 15 January 2015
62. *Data Monetization* – Workshop at **Telkom Metra**, 26 November 2014
63. *Penulisan Blog Website* – Workshop at at **Faculty of Economic and Business, Telkom University**, 17 Juni 2014
64. *Social Network Analysis* – Workshop at **Lembaga Sandi Negara & ScienceCom**, 11-12 Juni 2014
65. *Jejaring Sosial untuk Akademisi* – Talk at **Jaringan Peneliti Jawa Barat**, Unpad, 6 Juni 2014
66. *Social Network, Metric, and Computational Problem* – Talk at **ProCodeCG** event, 20 Februari 2014
67. *Ketrampilan Berpikir Matematika* – Workshop at Rumah Belajar Semi Palar, 29 Januari 2014

JOINT RESEARCH & GRANT

1. *Model Ontologi Pemetaaan Kepribadian Manusia dari Jejak Digital Teks Bahasa Indonesia* – RistekDikti, 2019-2020
2. *Pembentukan Model Jejaring Transaksi Dinamis dan Motif Jaringan untuk Deteksi Kondisi Anomali Perekonomian* – RistekDikti, 2019-2020
3. *Talent Mapping in Financial Technology Industry* – Otoritas Jasa Keuangan, April- Oktober 2019
4. *Network Topology for Early Warning System* – **Bank Indonesia**, Maret –Agustus 2017
5. *Pemetaan Jejaring Teror* **- Kementrian Koordinator Bidang Politik, Hukum, dan Keamanan Republik Indonesia**, Maret – Agustus 2016
6. *Implementasi Sistem Big Data untuk Mendukung Kebijaksanaan Komunikasi dan Informatika* – **Kementrian Komunikasi dan Informatika**, Februari – September 2016
7. *Pemetaan Tujuan Pariwisata Bandung berdasarkan data Media Sosial – Asosiasi Pengusaha Tour and Travel Bandung,* Agustus – Desember 2015

ASSOCIATIONS / COMMUNITIES

1. **Founder and Chairman** *of Asosiasi Ilmuwan Data Indonesia (AIDI)* since November 2016
2. **Publication Committee of Ikatan Statistisi Indonesia** since October 2018
3. **Member of Indonesian Association of Computer Linguistic (INACL),** since January 2017
4. **Member of** *Data Science Indonesia,* since 2016
5. **Member of** *idBigData,* since 2015