

ARDYTHA LUTHFIARTA

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SUMMARY

Senior Lecturer with 10+ years of experience and expertise at Informatics Engineering Department, Computer Science Faculty, Universitas Dian Nuswantoro. Who is passionate about Research and Education in Data Mining, Information Retrieval, Machine Learning, and Software Engineering.

RESEARCH AREAS

Data Mining, Information Retrieval, Machine Learning, Deep Learning, Artificial Intelligence, Natural Language Processing, Software Engineering, Image Processing, Bioinformatics systems, Operating Systems, Cloud Computing, Cyber Security, Adaptive System, Real Time System, Storage, Computer Architecture, Runtime Systems (Java/Python Runtime), Programming Languages, Distributed System

EDUCATION

2010-2012 : M.Cs; Software Engineering & Intelligence System, **UNIVERSITY TEKNIKAL MALAYSIA MELAKA**, Malaysia. CGPA : 3.69/4.00

Thesis Title : Customer Churn Prediction Using Backpropagation Neural Network With Evolution Strategies.

EXPERIENCE

2012 – present: Lecturer; Department of Informatics Engineering, Faculty of Computer Science, UNIVERSITAS DIAN NUWANTORO, Indonesia

2010 – 2011: Pand's Collection Department Store, as Electronic Data Processing (EDP)

2007 – 2010: Pixma Media Computer, as Operations Manager.

2006 – 2007: Assistant of Basic Programming Laboratory; Department of Informatics Engineering, Faculty of Computer Science, UNIVERSITAS DIAN NUWANTORO, Indonesia

COURSES TOUGHT

Data Mining, Information Retrieval, Research Methodology, Basic Computation, Basic Programming, Information Literation, Organization and Architecture Computer.

SKILLS AND ACTIVITIES

Capabilities

I have a good understanding of the field of data science and machine learning, good ability to do research and analysis, good communication skills and creative problem solving.

Other academic responsibilities

1. **2020 – Present:** Coordinator of General Courses, Universitas Dian Nuswantoro
2. **2017 – Present:** Coordinator of Student Exchange, Faculty of Computer Science, Universitas Dian Nuswantoro.

RESEARCH ID & PUBLICATONS

Research ID

1. *Scopus ID* : 57192424789
(<https://www.scopus.com/authid/detail.uri?authorId=57192424789>)
2. *ORCID ID* : 0000-0002-3455-3848 (<https://orcid.org/0000-0002-3455-3848>)
3. *SINTA ID* : 678636 (<https://sinta.kemdikbud.go.id/authors/profile/678636>)

Scopus Publications

1. Firdausillah, F., Gilang Mahendra, D., Zeniarja, J., Luthfiarta, A., Agus Santoso, H., Nugraha, A., ... Syukur, A. (2018). **Implementation of Neural Network Backpropagation Using Audio Feature Extraction for Classification of Gamelan Notes.** *Proceedings - 2018 International Seminar on Application for Technology of Information and Communication: Creative Technology for Human Life, ISemantic 2018*, 570–574.
2. Luthfiarta, A., Herliana, R., Rismiyati, Zeniarja, J., Agus Santoso, H., Purwanti Kusumaningrum, D., ... Yudi Hidayat, E. (2018). **Classification of Governer’s Public Report from SMS LaporGub Using Naive Bayes Classifier Method.** *Proceedings - 2018 International Seminar on Application for Technology of Information and Communication: Creative Technology for Human Life, ISemantic 2018*, 214–218.
3. Nugraha, A., Arista Harum Perdana, M., Agus Santoso, H., Zeniarja, J., Luthfiarta, A., & Pertiwi, A. (2018). **Determining the Senior High School Major Using Agglomerative Hierarchical Clustering Algorithm.** *Proceedings - 2018 International Seminar on Application for Technology of Information and Communication: Creative Technology for Human Life, ISemantic 2018*, 225–228.
4. Santoso, H. A., Zeniarja, J., Luthfiarta, A., & Wijaya, B. J. (2016). **An ontological crawling approach for improving information aggregation over eGovernment websites.** *Journal of Computer Science*, 12(9), 455–463.
5. Supriyanto, C., Luthfiarta, A., & Zeniarja, J. (2017). **An unsupervised approach for traffic sign recognition based on bag-of-visual-words.** *Proceedings of 2016 8th International Conference on Information Technology and Electrical Engineering: Empowering Technology for Better Future, ICITEE 2016*.
6. Yudi Hidayat, E., Sabiq Taufiqurrahman, A., Luthfiarta, A., Zeniarja, J., Agus Santoso, H., Nugraha, A., & Rismiyati. (2018). **Implementation of Weighted Naive Bayes Algorithm for Major Determination in Indonesian High School.** *Proceedings - 2018 International Seminar on Application for Technology of Information and Communication: Creative Technology for Human Life, ISemantic 2018*, 580–584.

7. Zeniarja, J., Rakhmat Sani, R., Luthfiarta, A., Agus Susanto, H., Yudi Hidayat, E., Salam, A., & Irfan Bavu Mahendra, L. (2018). **Search Engine for Kids with Document Filtering and Ranking Using Naive Bayes Classifier**. *Proceedings - 2018 International Seminar on Application for Technology of Information and Communication: Creative Technology for Human Life, ISemantic 2018*, 560–564.

Journal Publications

1. Rismiyati, R. and Luthfiarta, A. (2021) **‘VGG16 Transfer Learning Architecture for Salak Fruit Quality Classification’**, *Telematika*, 18(1), p. 37. doi: 10.31315/telematika.v18i1.4025.
2. Rismiyati, R. and Luthfiarta, A. (2022) **‘Transfer Learning with Xception Architecture for Snakefruit Quality Classification’**, *Journal of Applied Intelligent System*, 7(2), pp. 162–171. doi: 10.33633/jais.v7i2.6797.

Advising

1. Nabila Zibrisa Farsya

- a. Research Area : Bioinformatics systems, Operating Systems, Cloud Computing,
- b. Competence : Data Science Programming, Data Visualization, Data Analysis, Web Development
- c. Skills : Speech, Public Speaking, Debate, Communication, Critical Thinking, Problem Solving, Strong responsibility, fast learner

2. Gidhan Bagus Algary

- a. Research Area : Cyber Security, Adaptive System, Real Time System, Machine Learning
- b. Competence : Programming Language (PHP, NodeJS, Golang, Python, SQL) Web Development Programming, Mobile Programming, Command Line Interface Application, Javascript CLI Application, Golang Rest API, Software Revisions Control Systems
- c. Skills : Critical Thinking, Problem Solving, Time Management, Teamwork, Leadership, Good Communication Skill

3. Muhammad Daffa Al Fahreza

- a. Research Area : Storage, Operating Systems, Computer Architecture, Machine Learning
- b. Competence : Golang : Capable to create an API services, microservice applications, and CRUD services; Python : Capable to create a game, telegram bot, also machine learning and data visualization, Game Development Programming, Web Development Programming, Desktop Programming, Mobile Programming
- c. Skills : Discipline, Fast Learner, Teamwork, Problem Solver, Working Under Pressure

4. Muhammad Rafid

- a. Research Area : Runtime Systems (Java/Python Runtime), Programming Languages
- b. Competence : Web Programming, Mobile Programming, and Desktop Programming, Golang: Capable to make microservices application, API services, and CRUD services.
- c. Skills : Discipline, Fast Learner, Teamwork, and Time Management.

5. Michael Indrawan

- a. Research Area : Computer Architecture, Machine Learning
- b. Competence : Machine Learning, Data Science, Website Development, Mobile App Development, Realtime Store Database CRUD for Android with Flutter and Firebase,
- c. Skills : Fast Learner, Teamwork, and Time Management.

6. Zahra Nabila Maharani

- a. Research Area : Software engineering, Programming Languages, Operating Systems, Distributed systems
- b. Competence : Data Science Programming, Mobile Development Programming, Web Development Programming, Data Analysis, Data Visualization, Web Development, Mobile Developmet, UI/UX Design.
- c. Skills : Fast Learner, Teamwork, Problem Solver.