

Yeva Fadhilah Ashari

I am a Young Mathematician who works on the Department of Informatics (Computer Science)

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CURRENT POSITION

Junior Lecturer (Young lecturer and researcher) on Computer Science/Informatics Departement, Faculty of Science and Mathematics, Diponegoro University, Indonesia	2023-present
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EDUCATION

Ph.D. in Mathematics Science, at ITB (Bandung Institute of Technology), Indonesia Dissertation: “ (H_1, H_2) -sim-supermagic labelings and (H_1, H_2) - supermagic labelings of some graphs and certain graphs formed by graph operations“ Advisor: Prof. M. Salman A.N. and Rinovia Simanjuntak, Ph.D.	2017-2023
M.Sc. in Mathematic Science, at ITB (Bandung Institute of Technology), Indonesia Thesis: “A characterization of $(C_n, K_{1,n})$ -Supermagic of Trees Corona Paths and Trees Join A Trivial Graph“	2015-2017
B.Sc in Mathematic Science, at UNS (Sebelas Maret University), Indonesia Thesis: “Super (a, d) - H -Antimagic Covering on Coronation of Some Classes of Graphs ”	2010-2014

Specialization and Interest

I majored in Mathematics, especially graph theory, graph labeling. I am enthusiast on graph theory and its application. I am interested in exploring some topics on graph algorithms, combinatorics, network science, discrete mathematics, and various topics in mathematics and computer science related to graph such as graph representation learning and graph machine learning.

EXPERIENCES

Selected as one of 60 young researchers to be participated at ACM Asean HPC and AI Summer School	10-15 Maret 2025
Selected as one of 200 young researchers on Mathematics and Computer Science to be participated at HLF 11 (Heidelberg Laureate Forum) 2024	21-27 Sept 2024
Selected as one of 80 young (early career) researchers to be participated at Asean HPC School 2023	Dec 2023
Visiting Research Student at Technical University of Košice (TUKE), Košice, Slovakia. Host Supervisor: Dr. Andrea Semaničová-Feňovčíková, and Prof. Martin Bača	Sept-Dec 2018
Computation Laboratory Assistant, at Mathematics and Natural Sciences Faculty, Sebelas Maret University, Indonesia	2011-2013

COMPUTER SKILLS CERTIFICATION

Alibaba Cloud Certified Associate – Cloud Computing
Valid until Oct 11, 2026

PUBLICATIONS/PREPRINTS/WORK IN PROGRESS

- [1] Muhammad Malik Hakim, Satriyo Adhy, **Yeva Fadhilah Ashari**, Emy Siswanah, "The Adoption of E-ticketing Apps on Intercity Buses: A Transdisciplinary Approach", *Transdisciplinary Journal of Engineering and Science* 15 (2024) 381-394.
Journal rank **Q3**, scopus index, SJR 0,17
- [2] Putrisya Novatiara Sonia, Muhammad Malik Hakim, Guruh Aryotejo, Satriyo Adhy, **Yeva Fadhilah Ashari**, Salman Alfarisi, "Factors Influencing the Use of Mobile Social Commerce Application with UTAUT2 Extended Model", *Journal of Information Systems Engineering and Business Intelligence*, 10 (1) (2024)25-37.
Journal rank **Q3**, scopus index, SJR 0,310
- [3] **Yeva Fadhilah Ashari**, A. N. M. Salman, Rinovia Simanjuntak, Andrea Semaničová-Feňovčíková, and Martin Bača, "On (F, H) -sim-magic labelings of graphs", *Electronic Journal of Graph Theory and Applications* 11 (2023) 49-64.
Journal rank **Q2**, scopus index, SJR 0,49
- [4] Arief Hakim, A. N. M. Salman, **Yeva Ashari**, Khreshna Syuhada, "Modifying (M)CoVaR and constructing tail risk networks through analytic higher-order moments: Evidence from the global forex markets", *PLoS One* 17 (11) (2022). **Publish.** DOI: [10.1371/journal.pone.0277756](https://doi.org/10.1371/journal.pone.0277756)
Journal rank **Q1**, scopus index, SJR 0,85
- [5] **Yeva Fadhilah Ashari**, A. N. M. Salman, and Rinovia Simanjuntak, On Forbidden Subgraphs of (K_2, H) -sim-supermagic Graphs, *Symmetry*, 13 (8), 2021. **Publish.** DOI: [10.3390/sym13081346](https://doi.org/10.3390/sym13081346)
Journal rank **Q2**, scopus index, SJR 0,54
- [6] **Yeva Fadhilah Ashari** and A. N. M. Salman, (H_1, H_2) -supermagic labelings for some shackles of connected graphs H_1 and H_2 , *Journal of Physics: Conf Series* 1127 (2019) 012059. **Publish.** DOI: [10.1088/1742-6596/1127/1/012059](https://doi.org/10.1088/1742-6596/1127/1/012059)
- [7] **Yeva Fadhilah Ashari**, A. N. M. Salman, "On (H_1, H_2) -supermagic labeling of some graph operation", *Electronic Journal of Graph Theory and Applications*, 2023+, **Submitted.**
Journal rank **Q3**, scopus index, SJR 0,49
- [8] **Yeva Fadhilah Ashari**, A. N. M. Salman, and Rinovia Simanjuntak, "On forbidden subgraphs of (C_m, S_n) - (super)magic graphs", 2023+. **Preprint**

SELECTED HONORS, AWARDS, AND TRAVEL GRANTS

- **Travel grant from Simons Foundation** in Collaboration with International Mathematical Union (IMU) and its Commission for Developing Countries (CDC) to attend ICM (International Congresses of Mathematicians) **2026**
- Selected as 1 over 60 participants of ACM ASEAN-High Performance Computing (HPC) school 2025 where all selected participant got **full support during school**. This school supported by ACM (Association for Computing Machinery) 10-15 March 2025
- **Travel Grant from HLFF** (Heidelberg laureate Forum Foundation) to be participated on HLF 11th 10-16 Dec 2023
- Selected as 1 over 80 participants of ASEAN-High Performance Computing (HPC) school 2023 where all selected participant got **full support during school**. This school Aug 2015-Aug 2018

- supported by **European Union through the Enhanced Regional EU-ASEAN Dialogue Instrument (E-READI)** 4-9 Dec 2017
- PMDSU Research grants by DIKTI (*Directorate General of Higher Education, Indonesian Ministry of Education*)
 - **Student Travel Grant** to attend The 5ICC (The 5th International Combinatorics Conference) given by **CMSA (Combinatorics Society of Australia)**. 9-20 Mar 2015.
 - Full Financial Support to attend SEAMS-IMH-CIMPA School on Combinatorics given by **CIMPA (Centre International de Mathématiques Pures et Appliquées)**.
 - **Erdos Number = 4** (Erdős, Paul1- Tuza, Zsolt- Jendrol', Stanislav- Bača, Martin- Ashari, Yeva Fadhilah) source: <https://mathscinet.ams.org/> August 2020-2021
 - **Awarded GTA (*Ganesha Talent Assistantship*) 100 Scholarship** given by Bandung Institute of Technology (ITB) Jan-Juni 2020
 - **Awarded P3MI Scholarship (Program Penelitian, Pengabdian kepada Masyarakat, dan Inovasi) Scholarship** given by Mathematics and Natural Sciences Faculty (FMIPA) of Bandung Institute of Technology (ITB) Sept-Dec 2018
 - **Awarded PKPI Scholarship (Peningkatan Kualitas Publikasi Internasional)-Sandwich Like 2018** given by DIKTI (*Directorate General of Higher Education, Indonesian Ministry of Education*) August 2015-2019
 - **Awarded PMDSU Scholarship (Beasiswa Program Magister Doktor Sarjana Unggul)** given by DIKTI (*Directorate General of Higher Education, Indonesian Ministry of Education*) 2014
 - **Awarded Cumlaude**, outstanding undergraduate student by Universitas Sebelas Maret
 - **Awarded PPA Scholarship (Peningkatan Prestasi Akademik)** given by DIKTI (*Directorate General of Higher Education, Indonesian Ministry of Education*) 2013
 - Finalist of National Mathematics Olympiad Competition 2006
 - Finalist of **Scientific-National Competition LOGIKA 2013**
 - 1-st Winner of **Young Scientific-Research Competition** in Central Java Province
 - Award from Regent as a national outstanding junior school student

TALKS

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- **The 6thInternational Conference on Graph Theory and Information Security (ICGTIS) 2024, Bandung Institute of Technology, Bandung, Indonesia** 29-31 August 2024
Title: On Super (a,d) - C_3 -Antimagic Labeling of The Join Product of Tree and K_1
 - **The 25th Indonesia-Japan Conference on Discrete and Computational Geometry, Graph, and Games, Bali, Indonesia** 22-24 September 2023
Title: On forbidden subgraphs of $(C_m|S_n)$ -magic graphs
 - **The 5thInternational Conference on Graph Theory and Information Security (ICGTIS) 2022, Bandung Institute of Technology, Bandung, Indonesia** 22-25 May 2022
Title: On (F, H) -sim-magic labelings of graphs
 - **The Japan Conference on Discrete and Computational Geometry, Graphs, and Games (JCDCG3) 2018, Ateneo de Manila University, Quezon city, Philippines.** 1-3 Sept 2018

Title: An (H_1, H_2) -magic labelings of expanded graphs

- **The 5th International Combinatorics Conference (5ICC) 2017, Monash University, Melbourne, Australia.** 4-9 Dec 2017
Title: (K_2, H) -magic labelings of graphs
- **The Japan Conference on Discrete and Computational Geometry, Graphs, and Games (JCDCG3) 2017, Tokyo University of Science, Tokyo, Jepang.** 29 August-1 Sept 2017
Title: A characterization of $(C_n, K_{1,n})$ -supermagic of trees corona paths and trees join a trivial graph
- **The 8th International Conference on Research and Education in Mathematics (ICREM) 2017, Bandung Institute of Technology, Indonesia.** 11-13 August 2017
Title: (H_1, H_2) -supermagic labelings on certain shackles of connected graphs H_1 and H_2
- **International Conference on Graph Theory and Information Security (ICGTIS) 2017, The University of Indonesia, Jakarta, Indonesia.** 7-9 August 2017
Title: $(F_m \odot^{k-1} P_m, K_{1, k m+1})$ -supermagic labelings of some trees k -multilevel corona with a path
- **International Conference on Mathematics and Natural Science (ICMNS) 2016, Bandung Institute of Technology, Bandung, Indonesia.** 2-3 Nov 2016
Title: (H_1, H_2) -supermagic labelings for some shackles of connected graphs H_1 and H_2
- **Distance in Graph (DiGUbud), Ubud, Bali, Indonesia** 18-22 July 2016
Title: The total rainbow and connection number of flowers and gears
- **Konferensi Nasional Matematika (KNM XVII), Mathematics National Conference, ITS (Institut Technology of Sepuluh Nopember), Surabaya, Indonesia** 2014
Title: Pelabelan selimut (a, d) - H -anti ajaib super pada graf hasil korona dari graf lintasan

SELECTED SCHOOLS/TRAINING/SCIENTIFIC DISSEMINATION

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- **Selected participant of ACM Asean High Performance Computing and AI 2025,** Singapore 10-15 March 2025
 - **Selected participant of Asean High-Performance Computing (HPC) School 2023 in Computer Science Track, Bogor, Indonesia** 10-16 Dec 2023
 - **Google Cloud Computing Foundations Programe by Google** 16 Oct-16 Nov 2023
 - **TDA (Topological Data Analysis), Tinjauan, dan Penerapannya 2023 by Indonesian Mathematical Society (IndoMs)** 18 August-17 Sept 2023
 - **International Short Course—Graph Theory and Its Applications (Online)** 4-29 Okt 2022
 - **The 11th IWOGL (The 11th International Workshop on Graph Labeling)** 22-23 Sept 2021
 - **GraphMasters Open Workshop 2020, held concurrently with IWCCA (31st International Workshop on Combinatorial Algorithms) (Online)** 11 June 2020
 - **Prague Summer School on Discrete Mathematics 2020 (Online)** 27 Jan 2020
 - **Prague Summer School on Discrete Mathematics 2020 (Online)** 24-28 August 2020
 - **Lecture series on Some Aspects of Combinatorics, Institut Teknologi Bandung, Indonesia** 22-23 Mar 2018
 - **SEAMS-IMH-CIMPA School on Combinatorics, Institute of Mathematics, Vietnam Academy of Science and Technology, Hanoi, Vietnam** 9-20 Mar 2015

- **International Workshop on Graph Masters, Universitas Islam Malang, Malang, Indonesia organised by InaCombS (Indonesia Combinatorial Society)** ▪ 7-8 Jun 2014
- **Computer Training of “Mathematica^R (software) for education and research” by Ruben Garcia Berasategui, MBA Wolfram, Inc. USA, Universitas Sebelas Maret, Indonesia** ▪ 3-4 Feb 2012

PROFESIONAL DEVELOPMENT: SERVICES

Academic Services

- Moderator in Parallel Session of The 6th International Conference on Graph Theory and Information Security (ICGTIS) 2024, Universitas Hasanuddin, Makassar 2024
- Moderator in Parallel Session of The 25th Indonesia-Japan Conference on Discrete and Computational Geometry, Graph, and Games, Bali, Indonesia 2023
- Moderator in IVC (International Virtual Course) in Combinatorics Perspective organized by Mathematics Department of Bandung Institute of Technology (ITB) 2022
- Organizer for National Seminar called “How Technology can improve learning and teaching materials” by Computation Laboratory, Mathematics Natural Sciences Faculty, Sebelas Maret University, Indonesia 2012
- Organizer for Mathematics National Conference called “Matematika dan Pendidikan Matematika Berbasis Riset” by Department Mathematics of Sebelas Maret University (UNS)
- Organizer for Mathematics Competition for senior high school student in DIY and Central Java Province, Indonesia
- Organizer for Nasional Computer Training called “Creating Interactive Materials Using Wolfram Research’s CDF Format” as a part of Computation Laboratory Mathematics Natural Sciences Faculty (FMIPA) Sebelas Maret University (UNS) in collaboration with Wolfram Mathematica Research Inc.

Social Services

Volunteer in Children’s Festival namely “Festival Anak Bertanya 2016”. It is a forum for some institutions that concern about how to inspire and broaden children’s perspective through direct interaction to deliver their message to children.

MEMBER OF PROFESIONAL SOCIETIES

- Student chapter member of SIAM (Society for Industrial and Applied Mathematics), 2018-2020
- Member of Combinatorial Mathematic Society of Australia (CMSA), 2018 – 2020
- Member of InaCombs (Indonesian Combinatorial Society), 2022-now
- International Statistical Engineering Association, 2023-now
- Formal Method Europe, 2024-now

Reviewer

- Electronic Journal of Graph Theory and Applications (EJGTA), Q2 Journal, Scopus Index 2025