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 Faculty of Mathematics and Natural Sciences
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STAFF HANDBOOK

Name	Dr. Kiki Ariyanti Sugeng		
Expertise	Graph Theory		
Academic career		Institution	Year
	Undergraduate degree	Universitas Indonesia, Indonesia	1985
	Master degree	Intitute Technology Bandung, Indonesia	1987
	Doctoral degree	The University of Ballarat (now The Federal University) Australia	2005
	Post-doctoral	The University of Ballarat (now The Federal University) Australia	2007
Employment	Position	Employer	Period
	Junior Lecturer	Universitas Indonesia	1986-1992
	Lecturer	Universitas Indonesia	1992-2001
	Associate Professor	Universitas Indonesia	2001-now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. National Research Collaboration Research Grant, " Irregular Networks Optimization", 2021, Partner: Unhas and ITB, Rp. 50.000.000,-. 2. 2Q2 PUTI UI Research Grant ,"Local Irregular Distance Labelling" , 2020-2021, Technical University of Kosice, Slovakia, Rp. 172.000.000,-. 3. STEM PUTI UI Research Grant, " Local Antimagic Super Total Vertex Labeling", 2020, Rp. 17.500.000,- 4. Q1Q2 PITTA UI Research Grant," Rainbow Coloring", Rp. 246.300.000,-. 5. PITTA A UI Research Grant, 2019, "Vertex Inclusive d-Distance Labeling" , Rp. 45.000.000,- 6. PITTA UI Research Grant, 2018, "Data Security using Cryptography and Coding Theory", Rp. 81.000.000,-. 7. PITTA UI Research Grant, 2018, "Graceful and Irregular Graph Labeling", Rp. 81.000.000,-. 8. PITTA UI Research Grant, 2017, " Adjacency and Antiadjacency Matrix ", Rp. 75.000.000 		
Industry collaborations over the last 5 years	<ol style="list-style-type: none"> 1. Project Title: Technical Guidance (Bimtek) Instructor of Learning Committee Stage 1 Educational Movement Program (26April- 7 Mei 2021) Partner : Ministry of Education and Culture 		

	<ol style="list-style-type: none"> 2. Project: Review of learning achievements for Elementary school to High School (20 October 2020) Partner: Ministry of Education and Culture 3. Project: Review of Final Report of Research (16 – 18 November 2020) Partner: Research And Development And Book Agency 4. Project: General Lecture in Graph Theory (13 November 2020) Partners: Nusa Cendana University 5. Project: General Lecture in Combinatorics (13 November 2020) Partners: Jember University 	
Patents and proprietary rights	Title -	Year -
Important publications over the last 5 years	<p style="text-align: center;">Selected recent publications</p> <ol style="list-style-type: none"> 1. Indriati, D., Widodo, Wijayanti, I.E., Sugeng, K.A., Bača, M., Semaničová-Feňovčíková, A., The total vertex irregularity strength of generalized helm graphs and prisms with outer pendant edges, Australasian Journal of Combinatorics,65 (1), pp. 14-26 (2016) 2. Cichacz, S., Froncek, D., Sugeng, K.A., Zhou, S. Group distance magic and antimagic graphs, Acta Mathematica Sinica, English Series 32 (10) pp. 1159-1176 (2016) 3. Cichacz, S., Froncek, D., Sugeng, K.A., Zhou, S. Group distance magic and antimagic graphs, Acta Mathematica Sinica, English Series 32 (10), pp. 1159-1176 (2016) 4. Septiyanto, F. and Sugeng, K.A., Rainbow connections of graph joins, Australasian Journal of Combinatorics, 69 (3) , pp. 375-381 (2017) 5. Bong, N.H., Miller, M., Ryan, J., Sugeng, K.A., MaxDDBS problem on butterfly networks, Australasian Journal of Combinatorics, 68 (2) , pp. 245-264 (2017) 6. Bong, N.H., Miller, M., Ryan, J., Sugeng, K.A., MaxDDBS Problem on Beneš Network, Journal of Interconnection Networks 17(3-4) ,1741003 (2017) 7. Bača, M., Semaničová-Feňovčíková, A., Slamin, Sugeng, K.A., On inclusive distance vertex irregular, Electronic Journal of Graph Theory and Applications, 6(1), pp. 61-83 (2018) 8. Rosyida, I., Peng, J., Chen, L., Widodo, Indrati, C.R., Sugeng, K.A., An uncertain chromatic number of an uncertain graph based on α -cut coloring, Fuzzy Optimization and Decision Making 17(1), pp. 103-123 (2018) 9. Martinus,J., Sugeng, K.A., Graceful labeling on torch graph , Indonesian Journal of Combinatorics , Vol 2 No 1 pp 14-19 (2018) 10. Hendy, Sugeng, K.A., Another H-super magic decompositions of the lexicographic product of graphs, 	

Indonesian Journal of Combinatorics , 2 (2) , pp. 72–81 (2018)

11. Septyanto, F., Prastiwi, D., **Sugeng, K.A.**, Some Spectral Properties of the Amalgamation of Two Complete Graphs, Southeast Asian Bulletin of Mathematics , 42, pp.673–682 (2018)
12. Septyanto, F. **Sugeng, K.A.**, Color code techniques in rainbow connection, Electronic Journal of Graph Theory and Applications , 6 (2), pp. 347–361 (2018)
13. Alfi Maulani, Soya Pradini, Dian Setyorini, **Sugeng, K.A.**, Rainbow connection number of $C_m \circ P_n$ and $C_m \circ C_n$, Indonesian Journal of Combinatorics Vol. 3 No. 2, pp 95-108 (2019)
14. Lu, J., Peng, J., Chen, J., **Sugeng, K.A.**, Prediction method of autoregressive moving average models for uncertain time series , International Journal of General Systems , 49(5) , pp. 546–572 (2020)
15. Septyanto, F. **Sugeng, K.A.**, Rainbow connection number of generalized composition, AKCE International Journal of Graphs and Combinatorics, 17(1), pp. 367–372 (2020)
16. Utami, B., **Sugeng, K.A.**, Utama, S., On inclusive d-distance irregularity strength on triangular ladder graph and path, AKCE International Journal of Graphs and Combinatorics , 17(3), pp. 810–819 (2020)
17. Bong, N., Bača, M., Semaničová-Feňovčíková, A., **Sugeng, K.A.**, Wang, T.-M., Local Face Antimagic Evaluations and Coloring of Plane Graphs, Fundamenta Informaticae, 174(2), pp. 103–119 (2020)

Scholar UI ID	https://scholar.ui.ac.id/en/persons/kiki-ariyanti		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	Indonesia Mathematical Society	Coordinator of Combinatorics	2020-2022
	Indonesian Combinatorics Society	Advisor	2017-now
	The Institute for Combinatorics and its Application	Vice President	2017-2022