

Curriculum Vitae



Name : **Prof. Dr. A.N.M. Salman**
Place and Date of Birth : Bukittinggi, 16 September 1968
Sex : Male

Address

Office : Combinatorial Mathematics Research Group,
Faculty of Mathematics and Natural Sciences,
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Education

- 2005: **Doctor** (Dr) of Mathematics, University of Twente, Enschede, The Netherlands
Research area: Graph Theory
Dissertation: Contributions to graph theory
Supervisor: Prof. Dr. Hajo Broersma
- 1997: **Magister Sains** (MSc), Mathematics Department, Institut Teknologi Bandung, Indonesia
Field of study: Mathematics
Thesis: Kriteria osilasi untuk persamaan diferensial non linear orde dua
Supervisor: Prof. Dr. S.M. Nababan
- 1993: **Sarjana Sains** (BSc), Mathematics Department, Institut Teknologi Bandung, Indonesia
Field of study: Mathematics
Final Project: Modulus kontinu dari fungsi kontinu di ruang metrik
Supervisor: Drs. Koko Martono, M.S.

Experience

Institut Teknologi Bandung, Indonesia

Date: 1993 - now

Position: Professor, Combinatorial Mathematics Research Group,
Faculty of Mathematics and Natural Sciences.

Responsibilities: Research, Teaching, and Community Empowerment.

Activities: Research

Research interests: Ramsey number, graph labeling, metric dimension, reliable network, applications of combinatorics.

Principal Investigator for the following research grants:

- *Program Riset dan Inovasi KK ITB*, Pewarnaan Pelangi Graf untuk Meminimumkan Penggunaan Frekuensi Berbeda pada Jaringan Komunikasi, 2015.
- *Program Riset dan Inovasi KK ITB*, Karakterisasi Graf Berdasarkan Pelabelan Ajaib, Antiajaib, atau Tidak Teratur, 2014.
- *Program Riset Desentralisasi Dikti*, Karakterisasi Keintegralan Bidang Proyektif Orde- n , 2014.
- *Program Riset dan Inovasi KK ITB*, Karakterisasi Graf Berdasarkan Beberapa Pelabelannya, 2013.
- *Program Riset Desentralisasi Dikti*, Optimasi topologi jaringan komputer berbasis operasi korona bertingkat menggunakan pewarnaan- f , 2013.
- *Program Riset dan Inovasi KK ITB*, Karakterisasi Graf operasi korona graf lengkap berdasarkan indeks f -kromatik, 2012.
- *Program Riset Desentralisasi Dikti*, Karakterisasi graf berdasarkan pelabelan H -ajaib atau H - (a,d) -ajaib, 2012.
- *Program Riset dan Inovasi KK ITB*, Pelabelan H -ajaib dan H - (a,d) -ajaib pada graf, 2011.
- *Program Penguatan Riset Institusi ITB*, Karakterisasi graf berdasarkan pewarnaan- f , 2010-2011.
- *Program Riset KK ITB*, Optimasi pendeteksi ancaman pada fasilitas penting, 2010.
- *Program Riset KK ITB*, Pelabelan H -ajaib pada graf, 2009.
- *Hibah Kompetensi Dikti*, Karakterisasi dan pengembangan perangkat lunak untuk graf H -ajaib (super), 2008-2010.
- *Program Riset ITB*, Selimut ajaib pada graf, 2008.
- *Program Riset Unggulan ITB*, Pengembangan metode dan perangkat lunak untuk manajemen frekuensi komunikasi tanpa kabel, 2006.
- *Program Riset ITB*, Pengembangan metode graf pada permasalahan manajemen frekuensi komunikasi tanpa kabel, 2005.
- *KNAW Belanda*, *Lambda-backbone colorings*, 2004.
- *KNAW Belanda*, *Ramsey number for paths versus some other graphs*, 2003.

- ***Mathematical Scientific Activities***, Departemen Matematika ITB, Lingkaran Hamilton pada graf *grids*, 2001.

Co-Investigator for the following research grants:

- ***Program Riset dan Inovasi KK ITB***, Karakterisasi *hypergraph bunga matahari intergral*, 2012.
- ***Program Riset dan Inovasi KK ITB***, Karakterisasi *hypergraph Intergral* pada kelas *hypergraph (n,r,δ) design, sunflower*, dan *hypercycle*, 2011.
- ***Program Riset Internasional KK ITB***, *Toward characterization graph with particular dimension*, 2010.
- ***Program Riset Internasional KK ITB***, *Graphs with “relatively small” metric dimension*, 2009.
- ***Program Riset Internasional KK ITB***, *Finding Ramsey numbers for union of graphs*, 2007.

Teaching

Supervising or co-supervising of PhD. students:

- Bety Hayat Susanti, ITB Indonesia (started 2014).
- Alfi Yusrotis Zakiiyah, ITB Indonesia (started 2014)
- Rismawati Ramdani, ITB Indonesia (started 2012).
- Mulia Astuti, ITB Indonesia (2010-2014).
- Nur Inayah, ITB Indonesia (2008-2013).
- Suhadi, ITB Indonesia (2007-2012).
- Adiwijaya, ITB Indonesia (2007-2012).
- Tita Khalis Maryati, ITB Indonesia (2006-2011).
- Nurdin, ITB Indonesia (2005-2010).
- Hasmawati, ITB Indonesia (2005-2007).

Supervising of MSc. students:

- Melina, ITB Indonesia (started 2015).
- Noviana, ITB Indonesia (started 2014).
- Vivien Restianim, ITB Indonesia (started 2014).
- Soeleman, ITB Indonesia (2014-2015).
- Dian Novita Sari Simamora, ITB Indonesia (2014-2015).
- Lisda Meisaroh, ITB Indonesia (2014-2015).
- Irvania Sukma K, ITB Indonesia (2014-2015).
- Muliah H, ITB Indonesia (2014-2015).
- Resty Deniawanty, ITB Indonesia (2014-2015).
- Trisna Roy Pradipta, ITB Indonesia (2013-2014).
- Dewi Ranti, ITB Indonesia (2013-2014).
- Antik Estika Hader, ITB Indonesia (2013-2014).
- Enny Suryana, ITB Indonesia (2013).

- Meilin Imelda Tilukay, ITB Indonesia (2012).
- Alfian Sukmana Praja, ITB Indonesia (2011-2012).
- Corry Corazon Marzuki, ITB Indonesia (2011-2012).
- Susi Herawati, ITB Indonesia (2008-2009).
- Bambang Sarbani, ITB Indonesia (2008-2009).
- Ahmad Saini, ITB Indonesia (2008-2009).
- Sarip Asbuloh, ITB Indonesia (2008-2009).
- Iyon Maryono, ITB Indonesia (2008-2009).
- Azhar Syahrir, ITB Indonesia (2008-2009).
- Imam Sayekti, ITB Indonesia (2008-2009).
- Endah Purnami, ITB Indonesia (2008-2009).
- Daud Lawa, ITB Indonesia (2008-2009).
- Wenny Fitria, ITB Indonesia (2008-2009).
- Iyan Suryadi, ITB Indonesia (2007-2008).
- Saladin Nur, ITB Indonesia (2007-2008).
- Suhadi Widosaputro, ITB Indonesia (2006-2007).
- Nur Izzati, ITB Indonesia (2006-2007).
- Maswir, ITB Indonesia (2006-2007).
- Tina Agustina, ITB Indonesia (2005-2006).
- Sri Murwati, ITB Indonesia (2005-2006).

Supervising of BSc. students:

- Necko Briantono, ITB Indonesia (started 2015)
- Husein Abdulsalam Susilo, ITB Indonesia (started 2015).
- Nabila Syahidah, ITB Indonesia (2014-2015).
- Aulia Rosmanita, ITB Indonesia (2014-2015).
- Lukman Hardy, ITB Indonesia (2012-2013).
- Anhar Solehudin, ITB Indonesia (2012-2013).
- Zagalo Nanda Mardani, ITB Indonesia (2012-2013).
- Muhammad Dendi Raditya Bakri, ITB Indonesia (2012).
- Hogla Tati Marbun, ITB Indonesia (2011-2012).
- Hasymy Arief, ITB Indonesia (2009-2010).
- Ghifari Daulagiri, ITB Indonesia (2009-2010).
- Fahri, ITB Indonesia (2009-2010).
- Bernard, ITB Indonesia (2009-2010).
- Rio Fadzrin, ITB Indonesia (2009).
- Novi Astuti, ITB Indonesia (2008-2009).
- Agus Deni Purnama, ITB Indonesia (2008-2009).
- Ayuningtias, ITB Indonesia (2008-2009).
- Nurvictory, ITB Indonesia (2007-2008).
- Muhammad Rumeizy, ITB Indonesia (2007-2008).

- Mirza Syarif M A Pontoh, ITB Indonesia (2007-2008).
- Rosalina Prasetio, ITB Indonesia (2007-2008).
- Allan Muhammad Taufik, ITB Indonesia (2007-2008).
- Ismail Hasbullah, ITB Indonesia (2007-2008).
- Samuel M, ITB Indonesia (2007-2008).
- Evo Mega Rahmadani, ITB Indonesia (2006-2007).
- Indra Fajar Setiawan, ITB Indonesia (2006-2007).
- Angga Dinan, ITB Indonesia (2006-2007).
- Harfizan Arnas, ITB Indonesia (2005-2006).

Lecturing:

Combinatorics, Number Theory, Algebraic Graph Theory, Topics in Discrete Mathematics, Introduction of Graph Theory, Computational Mathematics, Discrete Mathematics, Matrix and Vector Space, Calculus

Community Empowerment

- Training Mathematics teachers in various areas in Indonesia
- Training Indonesian delegation to international mathematics competitions

Managerial experiences

1. Secretary of Professor Forum of Institut Teknologi Bandung, 2014-2017.
2. Senate member of ITB, 2014-2019.
3. Senate member of FMIPA-ITB, 2010, 2014-2019.
4. Commission member of Post Graduate Program, Institut Teknologi Bandung, 2014.
5. Chairman of Master Program in Teaching Mathematics, Institut Teknologi Bandung, 2013.
6. Chairman of Post Graduate Program in Mathematics and Actuarial Science, Institut Teknologi Bandung, 2010-2013.
7. Consultant of Board for National Standards in Education in Indonesia (BSNP), 2006-2013.
8. Financial Manager of Dissemination of Indonesian Realistic Mathematics Education, 2006-2011.
9. Public relation of Faculty of Mathematics and Natural Sciences, ITB, 2007-2009.

Publications

International Journal

2016

1. N. Inayah, A.N.M. Salman, R. Simanjuntak, K.I.A. Syuhada, Super $(a;d)$ - H -antimagic decomposition for some graphs, *accepted for publication in Utilitas Mathematica*.

2. D. Fitriani, A.N.M. Salman, Rainbow connection number of amalgamation of some graphs, *accepted for publication in AKCE International Journal of Graphs and Combinatorics*.

2015

3. R. Ramdani, A.N.M. Salman, H. Assiyatun, On the total irregularity strength of regular graphs, *Journal of Mathematical and Fundamental Sciences* **47**, No. 3 (2015), 281-295
4. Adiwijaya, A.N.M. Salman, O. Sera, D. Suprijanto, E.T. Baskoro, Some graphs in C_f^2 based on f -coloring, *International Journal of Pure and Applied Mathematics* **102**(2) (2015) 201-207.
5. R. Ramdani, A.N.M. Salman, H. Assiyatun, A.S. Fenovcikova, M. Baca, Total irregularity strength of three family of graphs, *Mathematics in Computer Science*, (2015) 229-238.
6. T.K. Maryati, E.T. Baskoro, A.N.M. Salman, Irawati, On the path-(super)magicness of a cycle with some pendants, *Utilitas Mathematica* **96** (2015) 319-330.

2013

7. N. Inayah, R. Simanjuntak, A.N.M. Salman, K.I.A. Syuhada, Super (a,d) - H -antimagic total labelings for shackles of a connected graph H , *Australasian Journal of Combinatorics* **57** (2013) 127–138.
8. H.T. Marbun, A.N.M. Salman, Wheel-supermagic labelings for a wheel k -multilevel corona with a cycle, *AKCE International Journal of Graphs and Combinatorics* **10**, No. 2 (2013), 1-9.
9. R. Ramdani, A.N.M. Salman, On the total irregularity strength of some Cartesian product graphs, *AKCE International Journal of Graphs and Combinatorics* **10**, No. 2 (2013), 199-209.
10. S. W. Saputro, A.N.M. Salman, The λ -backbone colorings of graphs with tree backbones, *AKCE International Journal of Graphs and Combinatorics* **10**, No. 2 (2013), 229-236.
11. T.K. Maryati, A.N.M. Salman, E.T. Baskoro, Supermagic coverings of the union graphs and amalgamations, *Discrete Mathematics* **313** (2013) 397-405.
12. S.W. Saputro, R. Simanjuntak, S. Uttunggadewa, H. Assiyatun, E.T. Baskoro, A.N.M. Salman, M.Bača, The metric dimension of the lexicographic product of graphs, *Discrete Mathematics* **313** (2013) 1045–1051.
13. C.C. Marzuki, A.N.M. Salman, M. Miller, On the total irregularity strength of cycles and paths, *Far East Journal of Mathematical Sciences* Volume **82** No. **1** (2013) 1-21.

2012

14. Mulia Astuti, A.N.M. Salman, Hanni Garminia, Irawati, The properties of some coefficients of the characteristic and the Laplacian polynomial of a hypergraph, *International Journal of Contemporary Mathematical Sciences* **7** (21-24) (2012) 1029-1035.

15. Mulia Astuti, Hanni Garminia, A.N.M. Salman, Irawati, Integral complete r -uniform hypergraphs and sunflower hypergraphs, *Far East Journal of Mathematical Sciences* **1** (2012) 87-96.

2011

16. M. Bača, E.T. Baskoro, A.N.M. Salman, S.W. Saputro, D. Suprijanto, The metric dimension of regular bipartite graphs, *Bull. Math. Soc. Sci. Roumanie, Tome* **54** (102) No. 1, (2011), 15-28.

2010

17. A.A.G. Ngurah, A.N.M. Salman, I.W. Sudarsana, On supermagic coverings of fans and ladders, *SUT Journal of Mathematics* **46** (1) (2010) 67-78.
18. A.A.G. Ngurah, A.N.M. Salman, L. Susilowati, H -supermagic labelings of graphs, *Discrete Mathematics* **310** (8) (2010) 1293-1300.
19. Nurdin, E.T. Baskoro, A.N.M. Salman, N.N. Gaos, On the total vertex-irregularity strength of trees, *Discrete Mathematics* **310** (2010) 3043-3048.
20. H. Iswadi, E.T. Baskoro, A.N.M. Salman, R. Simanjuntak, The metric dimension of amalgamation of cycles, *Far East Mathematical Science Journal*, **41** (1) (2010) 19-31.
21. H. Iswadi, E.T. Baskoro, A.N.M. Salman, R. Simanjuntak, The resolving graph of amalgamation of cycles, *Utilitas Mathematica* **83** (2010) 121-132.
22. Nurdin, E.T. Baskoro, A.N.M. Salman, N.N. Gaos, On total vertex-irregular labellings for several types of trees, *Utilitas Mathematica* **83** (2010), 277-290.
23. T.K. Maryati, A.N.M. Salman, E.T. Baskoro, J. Ryan, M. Miller, On H -supermagic labelings for certain shackles and amalgamations of a connected graph, *Utilitas Mathematica* **83** (2010) 333-342.
24. A.N.M. Salman, A.A.G. Ngurah, N. Izzati, On (super) edge-magic total labellings of a subdivision of a star S_n , *Utilitas Mathematica* **81**, (2010), 275-284.
25. Adiwijaya, A.N.M. Salman, D. Suprijanto, E.T. Baskoro, A classification of some graphs containing wheels based on f -colorings, *East-West Journal of Mathematics* (2010) 200-207.
26. A.N.M. Salman, A.D. Purnomo, Some cycle-(super)magic labeling of some complete bipartite graphs, *East-West Journal of Mathematics* (2010) 283-291.

2009

27. Hasmawati, H. Assiyatun, E.T. Baskoro, A.N.M. Salman, The complete bipartite Ramsey numbers, *Utilitas Mathematica* **78** (2009) 129-138.
28. H.J. Broersma, L. Marchal, D. Paulusma, A.N.M. Salman, Backbone colorings along stars and matchings in split graphs: their span is close to the chromatic number, *Discussiones Mathematicae Graph Theory* **29** (2009) 143-162.
29. H.J. Broersma, J. Fujisawa, L. Marchal, D. Paulusma, A.N.M. Salman, K. Yoshimoto, λ -Backbone colorings along pairwise disjoint stars and matchings, *Discrete Mathematics* **309** (2009) 5596-5609.

30. Nurdin, E.T. Baskoro, A.N.M. Salman, N.N. Gaos, On the total vertex-irregular strength of a disjoint union of t copies of a path, *Journal of Combinatorial Mathematics and Combinatorial Computing* **71** (2009) 227-233.
31. Adiwijaya, A.N.M. Salman, D. Suprijanto, E.T. Baskoro, On f -colorings of the corona product of cycles with some other graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* **71** (2009) 235-241.
32. N. Inayah, A.N.M. Salman, R. Simanjuntak, On (a,d) - H -antimagic coverings of graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* **71** (2009) 273-281.
33. S.W. Saputro, A.N.M. Salman, D. Suprijanto, E.T. Baskoro, The metric dimensions of a complete n -partite graph and its cartesian product with a path, *Journal of Combinatorial Mathematics and Combinatorial Computing* **71** (2009) 283-293.

2008

34. Hasmawati, H. Assiyatun, E.T. Baskoro, A.N.M. Salman, Ramsey numbers on a union of identical stars versus a small cycle, *LNCS* **4535** (2008) 85–89
35. T.K. Maryati, E.T. Baskoro, A.N.M. Salman, Ph super magic labeling of some trees, *Journal of Combinatorial Mathematics and Combinatorial Computing* **65** (2008) 197-204.
36. A.N.M. Salman, The computational complexity of λ -backbone coloring of graphs with n complete backbones, *Journal of Combinatorial Mathematics and Combinatorial Computing* **65** (2008) 177-180.
37. Nurdin, A.N.M. Salman, E.T. Baskoro, The total edge-irregular strengths of the corona product of paths with some graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* **65** (2008) 163-175.
38. H. Iswadi, E.T. Baskoro, R. Simanjuntak, A.N.M. Salman, The metric dimensions of graphs with pendant edges, *Journal of Combinatorial Mathematics and Combinatorial Computing* **65** (2008) 139-145.

2007

39. A.N.M. Salman, H.J. Broersma, On Ramsey numbers for paths versus wheels, *Discrete Mathematics* **307** (2007) 975-982.
40. A.N.M. Salman, H.J. Broersma, Path-kipas Ramsey numbers, *Discrete Applied Mathematics* **155** (2007) 1878-1884.

2006

41. A.N.M. Salman, H.J. Broersma, Path-fan Ramsey numbers, *Discrete Applied Mathematics* **154** (2006) 1429-1436.

2005

42. A.N.M. Salman, H.J. Broersma, and C.A. Rodger, More on spanning 2-connected subgraphs of alphabet graphs, special classes of grid graphs, *Bulletin of the Institute of Combinatorics and Its Application* **45** (2005) 17-32.

2004

43. A.N.M. Salman, H.J. Broersma, C.A. Rodger, A continuation of spanning 2-connected subgraphs in truncated rectangular grid graphs, *Journal of Combinatorial Mathematics and Combinatorial Computing* **49** (2004) 177-186.

2003

44. A.N.M. Salman, E.T. Baskoro, H.J. Broersma, Spanning 2-connected subgraphs in alphabet graphs, special classes of grid graphs, *Journal of Automata, Languages and Combinatorics* **8** (4) (2003) 675-681.
45. A.N.M. Salman, E.T. Baskoro, H.J. Broersma, C.A. Rodger, More on spanning 2-connected subgraphs in truncated rectangular grid graphs, *Bulletin of the Institute of Combinatorics and Its Application* **39** (2003) 31-38.

National Journal

2012

46. S.W. Saputro, D. Suprijanto, E.T. Baskoro, A.N.M. Salman, The metric dimension of a graph composition products with star, *Journal of The Indonesian Mathematical Society*, **18** No 2 (2012) 85-92.

2006

47. Nurdin, E. T. Baskoro, A.N.M. Salman, The total edge irregular strengths of the union of $K_{2,n}$, *Jurnal Matematika dan Sains FMIPA-ITB* **11** (3) (2006) 105-109.

2003

48. A.N.M. Salman, E.T. Baskoro, H.J. Broersma, A note concerning Hamilton cycles in some classes of grid graphs, *Proceedings ITB Sains dan Teknologi* **35A** (1) (2003) 65-70.

2002

49. A.N.M. Salman, E.T. Baskoro, H.J. Broersma, Spanning 2-connected subgraphs in truncated rectangular grid graphs, *Journal of Indonesian Mathematical Society* **8** (4) (2002) 63-68.
50. A.N.M. Salman, Catatan pada criteria osilasi persamaan diferensial nonlinear orde dua, *Journal of Indonesian Mathematical Society* **8** (2) (2002).

International Proceeding

2015

1. M.A. Shulhany, A.N.M. Salman, The (Strong) Rainbow Connection Number of Stellar Graphs, *Proceedings of International Seminar on Mathematics, Science, and Computer Science Education (MSCEIS 2015)*, *AIP Conf. Proc.* **1708**, 060007-1–060007-

2. R. Ramdani, A.N.M. Salman, H. Assiyatun, An Upper Bound On the Total Vertex Irregularity Strength of the Cartesian Product of P_2 and an Arbitrary Regular Graph, *Procedia Computer Science* **4** (2015) 105-111.
3. Meilin I. Tilukaya, A.N.M. Salman, E.R. Persulesy, On the Total Irregularity Strength of Fan, Wheel, Triangular Book, and Friendship Graphs, *Procedia Computer Science* **4** (2015) 124-131.
4. Dian N.S. Simamora, A.N.M. Salman, The Rainbow (Vertex) Connection Number of Pencil Graphs, *Procedia Computer Science* **4** (2015) 138-142.
5. D. Resty, A.N.M. Salman, The rainbow connection number of an n -crossed prism graph and its corona product with a trivial graph, *Procedia Computer Science* **4** (2015) 143-150.
6. Bety Hayat Susantia, A.N.M. Salman, Rinovia Simanjuntak, The rainbow 2-connectivity of the Cartesian product of a cycle and a path, *Procedia Computer Science* **4** (2015) 151-154.
7. S. Nabila, A.N.M. Salman, The rainbow connection number of origami graphs and pizza graphs, *Procedia Computer Science* **4** (2015) 162-167.
8. S.K. Irvania, A.N.M. Salman, The Rainbow Connection Number of a Flower $(C_m; K_n)$ Graph and a Flower $(C_3; F_n)$ Graph, *Procedia Computer Science* **4** (2015) 168-172.
9. Susilawati, A.N.M. Salman, Rainbow Connection Number of Rocket Graphs, *The 5th International Conference on Mathematics and Natural Sciences, AIP Conf. Proc.* **1677** (2015) 030012-1–030012-3.

2014

10. R. Ramdani, A.N.M. Salman, H. Assiyatun, On the total irregularity strength of friendships, *Proceeding of the 4th Basic Science International Conference* (2014) 151-154.

2012

11. D.K. Syofyan, A.N.M. Salman, Some sufficient conditions for corona graphs to be product cordial graphs, *Proceeding of International Conference on Mathematics, Statistics and its Applications* (2012) PM7.
12. Adiwijaya, A.N.M. Salman, D. Suprijanto, E.T. Baskoro, A characterization of the corona product of a cycle with some graphs based on its f -chromatic index, *AIP Conference Proceeding* **1450** (*Proceeding of the International Conference on Research and Education in Mathematics 2011*) (2012) 155-158.
13. Meilin I. Tilukay, A.N.M. Salman, Mona Elviyenti, On super d -face antimagic total labelings of the corona product of a tree with r copies of a path, *AIP Conference Proceeding* **1450** (*Proceeding of the International Conference on Research and Education in Mathematics 2011*) (2012) 218-221.

2011

14. S.W. Saputro, R. Simanjuntak, S.Uttunggadewa, E.T. Baskoro, A.N.M. Salman, On graph of order- n with the metric dimension $n - 3$, *Proceedings of the 10th Cologne-Twente Workshop on Graphs and Combinatorial Optimization, CTW* (2011) 239-243
15. N. Inayah, A.N.M. Salman, R. Simanjuntak, K.I.A. Syuhada, Super (a,d) -cycle-antimagic total labelings for the vertex and edge amalgamation of n copies of isomorphic cycles, *Proceedings of the 3rd International Conferences and Workshops on Basic and Applied Sciences* (2011) 625-629.

2010

16. A.N.M. Salman, T.K. Maryati, On graph-(super)magic labelings of a path-amalgamation of isomorphic graphs, *Proceedings of the 6th IMT-GT Conference on Mathematics, Statistics and its Applications* (2010) 228-233.

2009

17. Adiwijaya, A.N.M. Salman, E.T. Baskoro, D. Suprijanto, The f -coloring of graphs containing wheels, *Collection of Presented Paper on International Conference in Mathematics and Applications* (2009) 127-131.
18. A.N.M. Salman, A.D. Purnomo, On cycle-(super)magic labeling of some complete bipartite graphs, *Collection of Presented Paper on International Conference in Mathematics and Applications* (2009) 143-162.
19. Nurdin, E. T. Baskoro, A.N.M. Salman, N.N. Gaos, On total edge-irregularity strength of the corona product of paths with stars, *Proceedings of the International Conference and Workshop on Basic and Applied Sciences and Regional Annual Fundamental Science Seminar (ICORAFSS) III* (2009) 114-116.

2008

20. Hasmawati, H. Assiyatun, E.T. Baskoro, A.N.M. Salman, Ramsey numbers on a union of identical stars versus a small cycle, *Proceedings of the International Conference on Computational Geometry and Graph Theory, Kyoto CGGT 2007, LNCS 4535* (2008) 85-89.
21. A.N.M. Salman, T. Agustina, Nurdin, On the total edge-irregular strengths of the grids, *Proceedings of the International Conference on Mathematics and Natural Sciences (ICMNS2)* (2008) 1405-1408.
22. T.K. Maryati, A.N.M. Salman, E.T. Baskoro, Irawati, The supermagicness of a disjoint union of isomorphic connected graph, *Proceedings of the International Conference on Mathematics, Statistics and Applications* (2008) 1-5.
23. S. Widosaputro, E.T. Baskoro, A.N.M. Salman, D. Suprijanto, On the metric dimension of $P_2[P_n]$, *Proceedings of the 3rd International Conference on Mathematics and Statistics* (2008) 215-218.
24. Adiwijaya, A.N.M. Salman, E.T. Baskoro, D. Suprijanto, The f -colorings of the corona product of complete graphs with cycle graphs, *Proceedings of the 3rd International Conference on Mathematics and Statistics* (2008) 298-301.

25. Nurdin, E. T. Baskoro, A.N.M. Salman, N.N. Gaos, The total vertex-irregular labellings of tP_n a forest constructed from a disjoint union of paths, *Proceedings of the 3rd International Conference on Mathematics and Statistics (ICoMS-3)* (2008) 311-315.

2007

26. H.J. Broersma, L. Marchal, D. Paulusma, A.N.M. Salman, Improved upper bounds for λ -backbone colorings along matchings and stars, *Proceedings of the 33rd Conference on Current Trends in Theory and Practice of Computer Science SOFSEM* (2007), LNCS 4362 (2007) 188-199.
27. Hasmawati, H. Assiyatun, E.T. Baskoro, A.N.M. Salman, The Ramsey numbers for disjoint union of stars, *Proceedings of International Conference and Workshop on Basic Sciences and Applied Sciences (ICOWOBAS)* (2007).

2006

28. A.N.M. Salman, λ -Backbone coloring numbers of split graphs with tree backbones, *Proceedings of The Second IMT-GT 2006 Regional Conference on Mathematics, Statistics, and Applications* (2006) 43-47.
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1. Logika dan Cinta untuk Teorema, *Simposium Nasional Inovasi dan Pembelajaran Sains* (2015), Bandung, Indonesia, 8 June 2015.
2. Some results about λ -backbone colorings of graphs, Bandung Workshop on Combinatorics and Optimization, Bandung, Indonesia, 1-2 November 2014.

3. λ -Backbone colorings of graphs, *GraphMaster Workshop 2010*, Bandung, Indonesia, 18-19 December 2010.
4. On graph-(super)magic labelings of a path-amalgamation of isomorphic graphs, *The 6th IMT-GT International Conference on Mathematics, Statistics and Its Applications*, Kuala Lumpur, Malaysia, 3-4 April 2010.,
5. On cycle-(super)magic labeling of some complete bipartite graphs, *International Conference in Mathematics and Application*, Bangkok, Thailand, 17-19 December 2009.
6. The dual of an H -(super) magic labeling, *The second International Conference on Mathematical Modeling and Computation*, Brunei , 8-11 June 2009.
7. The computational complexity of λ -backbone coloring of graphs with n complete backbone, *The International Conference on Graph Theory and Information Security*, Bandung, Indonesia, 10-13 February 2007.
8. λ -Backbone Coloring Numbers of Split Graphs with Tree Backbones, *The 2nd IMT-GT Regional Conference on Mathematics, Statistics and Applications*, Penang, Malaysia, 13-15 June 2006.
9. Bilangan pewarnaan λ -backbone pada graf split dengan backbone segitiga, *Seminar Nasional MIPA 2005*, Depok, Indonesia, 25 November 2005.
10. λ -Backbone colorings of graphs: known results and open problems, *International Conference on Applied Mathematics 05*, Bandung, Indonesia, 22-26 August 2005.
11. The computational complexity of λ -backbone colorings, *EIDMA 2004 Symposium*, Mierlo, The Netherlands, 25-26 November 2004.
12. The Ramsey numbers of paths versus k-paths, *CTW04 Workshop on Graphs and Combinatorial Optimization*, Menaggio, Italy, 31 May-2 June 2004.
13. On Ramsey numbers $R(P_n, G)$, *EIDMA 2003 Symposium*, Mierlo, The Netherlands, 13-14 November 2003.
14. Some lower bounds and upper bounds for path-wheel Ramsey numbers, *Indonesian Students' Scientific Meeting*, Delft, The Netherlands, 9-10 October 2003.
15. Paths-wheel Ramsey numbers, *The 12th Workshop on cycles and Colourings*, Stara Lesna, Slovakia, 1-5 September 2003.
16. Some lower bounds and upper bounds for path-fan Ramsey numbers, *One day IAMS-N Seminar on Applied Mathematics*, Eindhoven, The Netherlands, 27 May 2003.
17. The Ramsey numbers of paths versus fans, *The 2nd Cologne Twente Workshop on Graphs and Combinatorial Optimization*, Enschede, The Netherlands, 14-16 May 2003.
18. Spanning 2-connected subgraphs in truncated rectangular grid graphs and some open problems, *Post Australasian Workshop on Combinatorial Algorithms*, Newcastle, Australia, 13-14 July 2002.
19. Spanning 2-connected subgraphs of alphabet graphs, special classes of grid graphs, *The Thirteenth Australasian Workshop on Combinatorial Algorithms*, Fraser Island, Australia, 7-10 July 2002.

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2. A.N.M. Salman, *Contributions to Graph Theory*, ISBN 90-365-2147-5 (2005), Woormann, Belanda.

As Doctoral Examiners

1. Hafiziani Eka Putri, Pengaruh Pendekatan *Concrete-Pictorial-Abstract* (CPA) Terhadap Peningkatan Kemampuan Representasi Matematis, *Spatial Sense*, dan *Self-Efficacy* Mahasiswa Calon Guru Sekolah Dasar, Universitas Pendidikan Indonesia, Indonesia, Indonesia (2015).
2. Maria Agustina Kleden, Meningkatkan Kemampuan Berpikir Logis Matematis, Komunikasi Matematis dan Disposisi *Self-Directed Learning* Mahasiswa Melalui Pembelajaran Metakognitif, Universitas Pendidikan Indonesia, Indonesia, Indonesia (2015).
3. Hafiludin Samparadja, Pengaruh Pendekatan Induktif-Deduktif Berbasis Definisi Termodifikasi dalam Pembelajaran Struktur Aljabar terhadap Peningkatan Kemampuan Pembuktian dan Disposisi Berpikir Kritis Matematiks Mahasiswa, Universitas Pendidikan Indonesia, Indonesia, Indonesia (2014).
4. Isnarto, Kemampuan Konstruksi Bukti dan Berpikir Kritis Matematis Mahasiswa pada Perkuliahan Struktur Aljabar Melalui *Guided Discovery Learning* Pendekatan *Motivation to Reasoning and Proving Task*, Universitas Pendidikan Indonesia, Indonesia, Indonesia (2014).
5. Mulia Astuti, Karakterisasi Beberapa Kelas Hipergraf Integral, Institut Teknologi Bandung, Indonesia (2014).
6. Euis Setiawati, Mengembangkan Kemampuan Berpikir Logis, Kreatif, dan *Habits of Mind* Matematis Melalui Pembelajaran Berbasis Masalah, Universitas Pendidikan Indonesia, Indonesia, Indonesia (2014).
7. Heni Pujiastuti, Pembelajaran *Inquiry Co-Operation Model* untuk Meningkatkan Kemampuan Pemecahan Masalah, Komunikasi, dan *Self-Esteem* Matematis Siswa SMP, Universitas Pendidikan Indonesia, Indonesia, Indonesia (2014).
8. Nur Inayah, Pelabelan (a,d) -H-Ajaib pada Beberapa Kelas Graf, Institut Teknologi Bandung, Indonesia (2013).
9. Asmiati, Bilangan Kromatik Lokasi Graf Pohon dan Karakterisasi Graf dengan Bilangan Kromatik Lokasi 3, Institut Teknologi Bandung, Indonesia (2012).
10. Bambang Avip Priatna Martadiputra, Meningkatkan Kemampuan Berpikir Statistis Mahasiswa S1 Pendidikan Matematika Melalui Pembelajaran MEAs yang Dimodifikasi, Universitas Pendidikan Indonesia, Indonesia (2012).

11. Nur Izzati, Peningkatan Kemampuan Komunikasi Matematis dan Kemandirian Belajar Siswa SMP Melalui Pendekatan Pendidikan Matematika Realistik, Universitas Pendidikan Indonesia, Indonesia (2012).
12. Adiwijaya, Karakterisasi Graf Berdasarkan Indeks f -Kromatik, Institut Teknologi Bandung, Indonesia (2012).
13. Darmaji, Dimensi Partisi Graf Multipartit dan Graf Hasil Korona Dua Terhubung, Institut Teknologi Bandung, Indonesia (2011).
14. Tita Khalis Maryati, Karakterisasi Graf H-Ajaib dan Graf H-Ajaib Super, Institut Teknologi Bandung, Indonesia (2011).
15. Hazrul Iswadi, Dimensi Metrik Graf Hasil Operasi Korona dan Amalgamasi, Institut Teknologi Bandung, Indonesia (2011).
16. I Wayan Sudarsana, Bilangan Ramsey untuk Gabungan Graf, Institut Teknologi Bandung, Indonesia (2011).
17. Lyra Yulianti, Kelas Ramsey Minimal untuk Kombinasi Graf Dua Sisi dengan Siklus, Institut Teknologi Bandung, Indonesia (2011).
18. Nurdin, Nilai Total Ketakteraturan dari Suatu Graf, Institut Teknologi Bandung, Indonesia (2010).
19. Syafrizal Sy, Bilangan Ramsey Multipartit untuk Graf Lintasan, Institut Teknologi Bandung, Indonesia (2009).
20. Agung Gede Ngurah, Ketotalsisiajaiban Graf dan Defisiensinya, Institut Teknologi Bandung, Indonesia (2008).
21. Hasmawati, Bilangan Ramsey untuk Graf Gabungan Bintang, Institut Teknologi Bandung, Indonesia (2007).

Organisations

Members of Professional Organisations

1. Vice President of the Indonesian Combinatorial Mathematics Society (InaCombS) (2014-2015).
2. Secretary of the Indonesian Combinatorial Mathematics Society (InaCombS) (2006-2013).
3. Member of the Indonesian Mathematical Society (IndoMS) (started 2005).
4. President of The Indonesian Applied Mathematics Society in The Netherlands (IAMS-N), (2003-2004).

Being Conference Program Committee or Organizing Committee

1. Member, The fourth International Conference on Research and Education in Mathematics, Kuala Lumpur, Malaysia, 21-23 October 2009.
2. Member, CIMPA-UNESCO-INDONESIA School: Extremal Problem and Hamiltonicity in Graphs, Bandung, Indonesia, 2-13 February 2009.
3. Chair, International Conference on Graph Theory and Information Security (ICGTIS), ITB Bandung, Indonesia, 10-13 February 2007.
4. Chair, The Third IAMS-N Seminar, Delft, The Netherlands, 21 October 2004.

5. Member, The Second IAMS-N Seminar, Enschede, The Netherlands, 20 September 2003.
6. Member, The 12th Australasian Workshop on Combinatorial Algorithms (AWOCA), Bandung, Indonesia, 14-17 July 2001.

Reviewer for Journal

1. Discrete Applied Mathematics, The Netherlands
2. Discrete Mathematics, The Netherlands
3. Malaysian Journal of Mathematical Sciences, Malaysia
4. Journal of Indonesian Mathematical Society, Indonesia.
5. Far East Journal of Applied Mathematics, India
6. Acta Mathematica Sinica, China
7. Utilitas Mathematica, Canada
8. Bulletin of the Institute of Combinatorics and Its Application, Canada
9. Electronic Journal of Combinatorics

Bandung, February 15, 2016

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