



Professor Dr. EDY TRI BASKORO

Kelompok Keahlian Matematika Kombinatorika
Fakultas Matematika dan Ilmu Pengetahuan Alam

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Rumah :

Pasirlayang Utara V no. 9, Padasuka Bandung Indonesia.

CURRICULUM VITAE

Edy Tri Baskoro lahir di Jombang, Jawa Timur, 22 Mei 1964 dari seorang ibu bernama Soeharnaniek dan ayah Soekarno Darmaatmodjo, seorang petani tebu yang bekerja pada Pabrik Gula Jombang Baru. Edy Tri Baskoro dibesarkan dalam keluarga besar (tujuh bersaudara) dengan penuh kasih sayang, dan dengan nilai pendidikan serta agama yang ditanamkan secara kuat.

Edy Tri Baskoro mempunyai seorang istri bernama Prima Roza, S.E., MEd.Adm. dan dikaruniai dua orang putra bernama: Bena Pratama Baskoro dan Muhammad Alvin Baskoro serta satu orang putri bernama Felia Roza Baskoro.

PENDIDIKAN

1. Ph.D, University of Newcastle Australia, 1996. Dissertation: Optimal Interconnection Networks.
2. Master, University of New England (UNE) Australia, 1991. Thesis: Optimal Directed Graphs.
3. Sarjana, ITB Indonesia, 1987. Final Project: Computer Aided Learning (CAL) in Mathematics

RIWAYAT PEKERJAAN

1. March 2006 – Now : *Guru Besar (Profesor)*, Institut Teknologi Bandung (ITB)
2. July 2002 – March 2006 : *Lektor Kepala (Associate Professor)*, ITB
3. March 2001 – July 2002 : *Lektor (Senior Lecturer)*, ITB
4. Oct 2000 – March 2001 : *Lektor Madya (Lecturer)*, ITB
5. Feb 1998 – Oct 2000 : *Lektor Muda (Young Lecturer)*, ITB
6. Dec 1995 – Feb 1998 : *Asisten Ahli (Assistant)*, ITB
7. Oct 1992 – Dec 1995 : *Asisten Ahli Madya (Young Assistant)*, ITB

PENGHARGAAN

1. Ganesa Cendekia Widya Aditutama, ITB, 2014.
2. Satyalancana Karya Satya (20 tahun pengabdian), Presiden RI, 2013.
3. *Anugerah Kekayaan Intelektual Luar Biasa* Bidang Ilmu Pengetahuan, 2010
4. *Habibie Award* untuk penelitian ilmu dasar, 2009.
5. *Australian Alumni Award*, kategori: *Excellence in Education*, 2009.
6. Juara I Dosen Berprestasi Tingkat Nasional, Menteri Pendidikan Nasional, 2008
7. Satyalancana Karya Satya (10 tahun pengabdian), Presiden RI, 2006.
8. Ganesa Wira Aditutama, ITB, 29 Mei 2001.

CONJOINT PROFESSOR

1. Sebagai *Conjoint Professor*, Abdus Salam School of Mathematical Sciences (ASSMS), GC University, Lahore, Pakistan, sejak Juli 2006.
2. Sebagai *Conjoint Professor*, School of Electrical Engineering and Computer Science University of Newcastle, Australia, sejak Oktober 2010.

PENGALAMAN MANAJERIAL

1. Ketua, Kelompok Keahlian Matematika Kombinatorika, 2005-sekarang
2. Ketua, Badan Standar Nasional Pendidikan, Agustus 2013 - Agustus 2014
3. Anggota, Badan Standar Nasional Pendidikan, 2005-2014
4. Sekretaris, Komisi Budaya Akademik, Majelis Guru Besar ITB, 2008-2013
5. Anggota, Senat Akademik FMIPA ITB, 2005-2010
6. Sekretaris, Badan Standar Nasional Pendidikan, 2008-2010
7. Anggota, Komisi Pascasarjana (KPPS) FMIPA ITB, 2005-2008
8. Anggota, Komisi Sekolah Pascasarjana (KSPS) ITB, 2007-Maret 2008.
9. Ketua Jurusan Matematika ITB, Indonesia, 1998 – 2002
10. Sekretaris Eksekutif, Pusat Penelitian Pengembangan dan Penerapan Matematika ITB, Indonesia, Agustus 1996 - 1998

KETERLIBATAN DALAM KONFERENSI

Profesor Baskoro telah berperan aktif dalam komite program dalam beberapa konferensi Matematika di tingkat nasional maupun internasional, meliputi Pakistan, Slovakia, Jepang, Australia, India, dan Korea Selatan. Ia juga aktif menyelenggarakan konferensi dan workshop internasional sejak 2001.

Sebagai ketua konferensi/workshop tingkat Internasional

1. **Co-Chair**, International Conference on Graph Theory and Information Security (ICGTIS) 2015, 21-23 September 2015, ITB Bandung.
2. **Ketua**, Bandung Workshop on Combinatorics and Optimization (BWCOP) 2014, ITB Bandung, November 1-2, 2014
3. **Ketua**, The 8th Graphmasters Workshop, ITB Bandung, November 16-17, 2013.
4. **Ketua**, SEAMS School on Numbers, Matrices and Graphs, ITB Bandung, November 4-16, 2013.
5. **Ketua**, International Workshop on Optimal Network Topologies (IWONT5), ITB Bandung, 27-29 Juli 2012.
6. **Ketua**, Graphmasters Workshop, ITB Bandung, 18-19 December 2012.
7. **Ketua**, The Fifth International Conference on Research and Education in Mathematics (ICREM5), 22-24 Oktober 2011, ITB Bandung Indonesia
8. **Ketua**, Graphmasters Workshop, ITB Bandung, 18-19 December 2010.
9. **Ketua**, CIMPA School on Extremal Problems and Hamiltonicity in Graphs, ITB, Bandung, Jawa Barat, Indonesia, 2-13 February 2009.
10. **Ketua**, International Conference on Graph Theory and Information Security (ICGTIS), ITB Bandung, Jawa Barat, Indonesia 10 - 13 February 2007.
11. **Ketua**, International Workshop on Graph Labelling (IWONGL), Batu, Jawa Timur, Indonesia, 6 - 9 December 2004.
12. **Ketua**, Indonesia-Japan Joint Conference on Combinatorial Geometry and Graph Theory, ITB Bandung, Jawa Barat, Indonesia, September 13 - 16, 2003.
13. **Ketua**, the 12th Australasian Workshop on Combinatorial Algorithms (AWOCA), Bandung, Jawa Barat, Indonesia, 14 - 17 July 2001.

Sebagai Komite Program

1. **Anggota**, International Conference on mathematical Research, Education and Applications (ICMREA-UEL 2013), Ho Chi Minh City, Vietnam, December 21-23, 2013.
2. **Anggota**, The 7th Graphmasters Workshop, University of Lleida, Catalonia, Spain, June 25-28, 2013.
3. **Anggota**, The 5th Graphmasters Workshop, University of Newcastle, Newcastle, Australia, December 17, 2012
4. **Anggota**, The 4th Graphmasters Workshop, University of Lleida, Catalonia, Spain, September 27 – October 2, 2012.
5. **Anggota**, The 2nd Graphmasters Workshop, University of Newcastle, Newcastle, Australia, February 7, 2012.
6. **Anggota**, The 5th International Workshop on Optimal Network Topologies (IWONT 2011), Brussels, Belgium, July 11-15, 2011.
7. **Anggota Steering committee**, International Workshop on Graph Labelings 2010, University of Minnesota Duluth USA, 20-22 October, 2010.
8. **Anggota International Advisory Committee**, The 4th International Conference on Research and Education in Mathematics (ICREM4), Kuala Lumpur Malaysia, 21-23 October 2010.
9. **Anggota**, The 5th International Workshop on Graph Labelings (IWOGL 2009), Chennai India, January 7-10, 2009.
10. **Ketua**, Mini-symposium: Graph Theory and Combinatorics, International Conference on Mathematics and Natural Science, 28-30 Oktober, 2008.
11. **Ketua**, *Konferensi Nasional Matematika ke-14 dan Kongres Himpunan Matematika Indonesia*, UNSRI Palembang, 24-27 July 2008.
12. **Anggota**, The 4th IMT-GT 2008 Conference on Mathematics, Statistics and Applications, 9-11 Juni 2008.
13. **Anggota**, *LUMS 2nd International Conference on Mathematics and Its Applications in Information Technology*, Lahore Pakistan, 9 - 12 March 2008.
14. **Anggota**, International Conference on Computational Science, ITB, 3-4 Desember 2007.
15. **Anggota**, *the 17th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Uluru & King's Canyon, Central Australia, 13-19 July 2006.
16. **Anggota**, *Konferensi Nasional Matematika ke-13 dan Kongres Himpunan Matematika Indonesia*, UNNES Semarang, 24 - 27 July 2006.
17. **Anggota**, *the 16th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, University of Ballarat, Victoria, Australia, 18-21 September 2005.
18. **Anggota**, *Indonesia Cryptology & Information Security Conference*, Jakarta, 30 - 31 Maret 2005.
19. **Anggota**, *International Workshop on Graph Labelling (IWOGL)*, Herlany Slovakia, 3 - 7 July 2005.
20. **Anggota**, *Konferensi Nasional Matematika ke-12 dan Kongres Himpunan Matematika Indonesia*, Bali, 21 - 24 July 2004.
21. **Anggota**, *the 15th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Ballina, NSW Australia, 7 - 9 July 2004.
22. **Anggota**, *the 14th Australasian Workshop on Combinatorial Algorithms (AWOCA)*, Seoul, South Korea, 13 - 16 July 2003.

Sebagai Pembicara Undangan dalam konferensi Internasional

1. Sebagai pembicara plenary, Ramsey Numbers for graphs, The 5th Annual Basic Science International Conference 2015, Malang, Indonesia, February 11-12, 2015.

2. Sebagai pembicara kontributif, Kristiana Wijaya, Edy Tri Baskoro, Hilda Assiyatun and Djoko Suprijanto, The Complete List of Ramsey $\mathcal{S}(2K_2, K_4)$ -Minimal Graphs, Bordeaux Graph Workshop, 19-22 November 2014, Bordeaux France.
3. Sebagai pembicara keynote, The 7th International Conference on Science and mathematics Education in Developing Countries, 7-9 November 2014, Mandalay, Myanmar, Judul: "On Graph Ramsey Numbers".
4. Sebagai pembicara undangan, Edy Tri Baskoro, Conjecture on the total vertex irregularity strength of graphs, Bandung Workshop on Combinatorics and Optimization (BWCO) 2014, ITB Bandung Indonesia, 1-2 November 2014.
5. Sebagai pembicara kontributif, Seoul International Congress of Mathematicians (ICM), 13-21 August 2014, Seoul Korea, Judul: "On Ramsey (G,H)-Minimal Graphs".
6. Sebagai pembicara undangan, IWONT2014, 30 Juni – 4 Juli 2014, Bratislava, Slovakia, Judul: "On Ramsey numbers for wheels and union of graphs".
7. Sebagai pembicara undangan, SEAMS-YUNNAN Workshop in Mathematics and Information Science, 18-22 Juni 2014, Kunming P.R. China, Judul: "The Ramsey number of a union of graphs".
8. Sebagai pembicara keynote, The 9th GraphMasters Workshop, 7-8 Juni 2014, Universitas Islam Malang (UNISMA), Indonesia, Judul: "Size Ramsey Numbers and Ramsey Minimal Graphs".
9. Sebagai pembicara undangan, International Joint Research Week on Non-Commutative Stochastic Systems: Analysis, Modelling and Applications, GSIS Tohoku University, Sendai, Jepang, February 3-7, 2014, Judul: "On Graph Ramsey Ramsey".
10. Sebagai pembicara undangan, ICMREA-UEL 2013, Ho Chi Minh City, Vietnam, December 21-23, 2013, Judul: "Trees with locating-chromatic number 3".
11. Sebagai pembicara plenary, The 6th World Conference on 21st Century Mathematics 2013, Abdus Salam School of Mathematical Sciences, GC University Lahore Pakistan, March 6-9, 2013, Judul: "Some progress on Ramsey (G,H)-minimal graphs".
12. Sebagai pembicara undangan, ICMA-MU 2013, Bangkok Thailand, 19-21 January 2013, Judul: "Trees with small locating-chromatic number or partition dimension".
13. Sebagai pembicara contributed, ICTP-IPM Workshop and Conference on Combinatorics and Graph Theory, Trieste Italia, 3-14 September 2012, Judul: "On the locating-chromatic number of a corona product of two graphs".
14. Sebagai pembicara contributed, International Workshop on Graph labelling, Puncak Indonesia, 23-25 July 2012, Judul "Conjectures on the total vertex-irregularity strength of graphs".
15. Sebagai pembicara contributed, SIAM Conference on Discrete Mathematics Dalhousie University, Halifax, Nova Scotia, Kanada, 18-21 Juni 2012, Judul: "On the locating-chromatic number for a corona product of two graphs".
16. Sebagai pembicara undangan, Seminar di GSIS Tohoku University Jepang, 15 Mei 2012, Judul: "On the existence of (d,k)-digraphs".
17. Sebagai pembicara keynote, Workshop on Graph Theory, 22-24 December 2011, ASSMS GC University, Lahore Pakistan, judul: "Ramsey Minimal Graphs".
18. Sebagai pembicara undangan, International Conference in Mathematics and Applications (ICMA-MU 2011), 17-19 December 2011, Bangkok Thailand, judul: "The locating-chromatic number for the corona product of graphs".
19. Sebagai pembicara dalam Seminar Matematika, University of the Basque Country, Bilbao Spain, 25 November 2011, judul: "On The Existence of Almost Moore Digraphs".
20. Sebagai pembicara undangan dalam International Workshop on Optimal Networks Topologies IWONT2012, Brussels Belgia, 11-15 Juli 2011, Judul makalah: "Necessary conditions for (d,k)-digraphs".

21. Sebagai pembicara dalam Seri Seminar Matematika, 30 Mei 2011, ITB Bandung Indonesia, judul: "Teori Ramsey".
22. Sebagai pembicara dalam International Congress of Mathematicians, 19-27 Agustus 2010, Hyderabad India, judul makalah: "On Ramsey $(2K_2, P_n)$ -minimal graphs".
23. Sebagai *Indonesian representative* dalam *General Assembly, International Mathematical Union (IMU)*, Agustus 16-17, 2010, Bangalore India.
24. Sebagai pembicara plenary dalam International Workshop on Optimal Networks Topologies IWONT2010, Barcelona Spanyol, 9-12 Juni 2010, Judul makalah: "The existence of almost Moore digraphs with higher degree and diameter".
25. Sebagai pembicara undangan dalam the 33rd Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (33ACCMCC), December 7-11, 2009, Newcastle, Australia, Judul makalah: "On The Existence of Almost Moore Digraphs".
26. Sebagai pembicara undangan dalam the 4th International Conference on Research and Education in Mathematics (ICREM 4), Kuala Lumpur, Malaysia, October 21 - 23, 2009, Judul makalah: "On the Existence of Almost Moore (Di)graphs".
27. Sebagai pembicara undangan dalam IndoMS International Conference on Mathematics and its application (IICMA2009), UGM Yogyakarta, October 12 – 13, 2009, Judul makalah: "On (Super) Edge-Magic Deficiency of Graphs".
28. Sebagai pembicara undangan dalam Asian Mathematical Conference, June 22-26, 2009 Kuala Lumpur Malaysia, Judul makalah: "Some progress on Ramsey numbers and Ramsey-minimal graphs".
29. Sebagai pembicara undangan (invited speaker) dalam the 4th International Conference on 21st Century Mathematics 2009, Lahore Pakistan, March 4-8, 2009, Judul makalah: "On some Ramsey-minimal graphs".
30. Sebagai pembicara undangan (invited speaker) dalam the 3rd International Conference on Mathematics and Statistics (ICoMS-3), IPB Bogor, Indonesia, 5-6 August 2008, Judul makalah: Some graph Ramsey numbers and Ramsey-minimal graphs".
31. Sebagai pembicara undangan (invited speaker) dalam International Joint Symposium on Computational Science, Kanazawa University, Japan, 3-7 March, 2008, Judul makalah: "Ramsey Numbers, Edge-Magic Total Labelings and Secret Sharing Schemes".
32. Sebagai pembicara undangan (invited speaker) dalam International Conference on Mathematics and Applications ICMA-MU 2007, Bangkok Thailand, 15-17 August 2007, Judul makalah: "Ramsey numbers of complete bipartite graphs".
33. Sebagai pembicara kunci (plenary speaker) di the 3rd International Conference on 21st Century Mathematics 2007, Lahore Pakistan, March 4-7, 2007, Judul makalah: "On the existence of almost Moore digraphs".
34. Sebagai pembicara undangan (invited speaker) dalam Workshop/Conference on Algebra and Graph Theory, Lahore Pakistan, March 13-22, 2006, Judul makalah: "Total labeling of graphs".
35. Sebagai pembicara undangan (invited speaker) dalam Asian Mathematical Conference 2005 diselenggarakan oleh the South East Asian Mathematics Society (SEAMS), di NUS, Singapura, 20-23 Juli 2005, Judul makalah: "On the structure of almost Moore digraphs containing selfrepeats".
36. Sebagai pembicara undangan (invited speaker) dalam *Workshop on Cycles and Colorings*, High Tatras, Slovakia, September 5 - 10, 2004. Judul: "On the Ramsey numbers of some fixed graphs versus wheels".
37. Sebagai pembicara undangan (invited speaker) dalam the 13th Australasian Workshop on Combinatorial Algorithms (AWOCA), Australia, July 7-10, 2002, judul: "On the Ramsey Number of wheels versus other graphs".
38. Sebagai pembicara undangan (invited speaker) dalam the 11th National Conference on Mathematics, Malang Indonesia, July 21 - 24, 2002. Judul: "On Ramsey-type problems".

EDITOR DALAM JURNAL

1. *Electronic Journal of Graph Theory and Applications – Editors-in-Chief*
2. *Journal of Mathematical and Fundamental Sciences, Indonesia*
3. *Interdisciplinary Information Sciences, Tohoku University, Japan*
4. *J. Indones. Math. Soc. (MIHMI)*
5. *Journal of Prime Research in Mathematics, Pakistan*
6. *Internetworking Indonesia Journal*

REVIEWER DALAM JURNAL

1. *Electronic Journal of Graph Theory and Applications*
2. *Discrete Mathematics*
3. *Discrete Applied Mathematics*
4. *Journal of Graph Theory*
5. *Australasian Journal of Combinatorics*
6. *Graphs and Combinatorics*
7. *Computers and Mathematics with Applications*
8. *Journal of Mathematical and Fundamental Sciences*
9. *Ars Combinatoria*
10. *Utilitas Mathematica*
11. *Electronics Journal of Combinatorics*
12. *Discussiones Mathematicae Graph Theory*
13. *Journal of Combinatorial Mathematics and Combinatorial Computing*
14. *Bulletin of ICA*
15. *J. Indones. Math. Soc. (MIHMI)*
16. *Journal of Prime Research in Mathematics*

TOPIK PENELITIAN

Teori Graf dan Kombinatorik: Konstruksi Graf dan Digraf, Problem Derajat/Diameter, Teori Ramsey, Pelabelan Graf, Pewarnaan Graf, Dimensi Metrik, Dimensi Partisi dan Bilangan Kromatik-Lokasi Graf, Teori Koding, dan Kriptografi.

PERKULIAHAN YANG DIAJARKAN

Matematika Diskrit, Teori Graf, Teori Graf Aljabar, Kalkulus, Aljabar Linier Elementer, Komputasi Matematika, Teori Koding, Kriptografi, Topik dalam Kombinatorika dan Eksplorasi dalam Kombinatorika.

PROMOTOR PROGRAM DOKTOR (MAHASISWA S3)

Yang telah diluluskan

1. Asmiati, Bilangan kromatik-lokasi graf pohon dan karakterisasi graf dengan bilangan kromatik-lokasi 3, ITB Indonesia, 2012.
2. Suhadi Wido Saputro, Dimensi metrik graf reguler atau komposisi serta karakterisasi graf orde n berdimensi metrik $n-3$, ITB Indonesia 2012.
3. Adiwijaya (cum laude), Karakterisasi graf berdasarkan indeks f -kromatik, ITB Indonesia, 2012.
4. Darmaji, Dimensi partisi graf multipartit dan graf hasil korona dua graf terhubung, ITB Indonesia 2011.

5. Tita Khalis Maryati (cum laude), Karakterisasi graf H-ajiab dan graf H-ajiab super, ITB Indonesia 2011.
6. Hazrul Iswadi, Dimensi metrik graf hasil operasi korona dan amalgamasi, ITB Indonesia 2011.
7. I Wayan Sudarsana (cum laude), Bilangan Ramsey untuk gabungan graf, ITB Indonesia 2011
8. Lyra Yulianti, Kelas Ramsey minimal untuk kombinasi graf dua sisi dengan siklus, ITB Indonesia 2011
9. Abdul Qudair Baig, Super edge-magic deficiency of forests, PhD Dissertation, GC University Lahore Pakistan, 2010
10. Nurdin (cum laude), Nilai total ketakteraturan dari suatu graf, ITB Indonesia, 2010
11. Syafrizal Sy, Bilangan Ramsey Multipartit untuk Graf Lintasan, ITB Indonesia, 2009
12. Hasmawati (cum laude), Bilangan Ramsey untuk graf gabungan bintang, ITB Indonesia, 2008
13. Anak Agung Gede Ngurah (cum laude), Ketotalsisiajaiban graf dan defisiensinya, ITB Indonesia, 2008
14. Kashif Ali, On Ramsey numbers of paths versus wheel-like graphs, PhD Dissertation, GC University Lahore Pakistan, 2008
15. Muhammad Hussain, Total labelling of some families of trees and cycles with chords, PhD Dissertation, GC University Lahore Pakistan, 2008
16. Yus M. Cholily (cum laude), Large Directed Networks, ITB Indonesia, 2004
17. Surahmat (cum laude), Bilangan Ramsey untuk graf roda, ITB Indonesia, 2003

Mahasiswa yang sedang dibimbing

1. Ira Apni Purwasih (mulai 2010)
2. Dian Kastika Syofyan (mulai 2011)
3. Amrullah (mulai 2011)
4. Des Welyyanti (mulai 2011)
5. Kristiana Wijaya (mulai 2012)
6. Denny R. Silaban (mulai 2014)
7. Anie Lusiani (mulai 2014)
8. Budi Rahajeng (mulai 2014)
9. Desi Rahmadani (mulai 2014)
10. Debi Oktia Haryeni (mulai 2014)
11. Susilawati (mulai 2014)

PENGUJI PROGRAM DOKTOR

1. Penguji, kandidat doktor, V. Annamma, Loyola College (Affiliated to the University of Madras), Chennai India (2015)
2. Penguji, kandidat doktor, P. Vasanthi Beulah, Loyola College (Affiliated to the University of Madras), Chennai India (2014)
3. Penguji, kandidat doktor, P. Venugopal, Loyola College (Affiliated to the University of Madras), Chennai India (2010)
4. Penguji, kandidat doktor, R. Prabha, Loyola College (Affiliated to the University of Madras), Chennai India (2010)
5. Penguji, kandidat doktor, M. Helda Mercy, Loyola College, Chennai India (2008)
6. Penguji, kandidat doktor Dafik, University of Ballarat, Australia (2007)
7. Penguji, kandidat doktor A.N. M. Salman, The University of Twente, Netherland (2005).
8. Penguji, kandidat doktor Saladin Uttunggadewa, The University of Twente, Netherland (2000).

KEIKUTSERTAAN DALAM ORGANISASI PROFESI

1. Presiden, South East Asia Mathematical Society (SEAMS), 2014-sekarang
2. Ketua, Badan Standar Nasional Pendidikan, Indonesia, Agustus 2013-sekarang.
3. Wakil Presiden, South East Asia Mathematical Society (SEAMS), mulai 2010-2013
4. Anggota, Scientific Committee of CIMPA, 2010-sekarang.
5. Anggota, Society for Industrial and Applied Mathematics (SIAM), 2011-sekarang.
6. Presiden, Himpunan Matematika Kombinatorika Indonesia (*the Indonesian Combinatorial Mathematics Society - InaComBS*), Periode 2006-2013.
7. Presiden, Himpunan Matematika Indonesia (*the Indonesian Mathematical Society - IndoMS*), Periode 2006-2008.
8. Wakil Presiden, Himpunan Matematika Indonesia (*the Indonesian Mathematical Society*), 2002-2006.
9. Sekretaris Eksekutif, MIPANET – Jaringan Lembaga MIPA se Indonesia, 2002-2004.
10. Anggota, Badan Standar Nasional Pendidikan, Indonesia, 2005-sekarang.
11. Anggota, *the Institute of Combinatorics and its Applications*, 1996 – Sekarang.

DANA PENELITIAN

1. Penentuan Bilangan Ramsey Multipartit dan Bilangan Ramsey Sisi untuk Graf Lintasan, Program Riset & Inovasi KK, ITB, 2015.
2. Graf dengan Dimensi Partisi dan Bilangan Kromatik-Lokasi Tertentu, Riset Unggulan ITB-DIKTI 2015
3. Karakterisasi Graf Ramsey Minimal untuk Pasangan yang Memuat Matching, Riset Unggulan ITB-DIKTI 2015.
4. Dimensi Partisi graf takterhubung, Hibah PMDSU, DIKTI, 2014-2015.
5. Penentuan Graf Ramsey Minimal-(G,H), Hibah PMDSU, DIKTI, 2014-2015
6. Ketidakteraturan Titik Total dari Pohon, Hibah PMDSU, DIKTI, 2014-2015
7. Konstruksi Graf Ramsey Minimal $R(mK_2, sK_4)$ dan $R(tK_2, P_4)$, Riset Inovasi KK ITB, 2014.
8. Characterizing and finding all graphs with certain dimensions, International Research Collaboration and Scientific Publication, DIKTI, 2013-2015
9. Partisi Pembeda untuk Graf Hasil Subdivisi, Program Riset & Inovasi KK, ITB, 2013.
10. Karakterisasi graf pohon menurut bilangan kromatik-lokasinya, Riset Desentralisasi, DIKTI, 2012.
11. Penentuan Bilangan Kromatik-Lokasi untuk Graf Hasil Korona, Program Riset dan Inovasi KK, ITB, 2011
12. Dimensi Partisi Graf Hasil Operasi Korona, Hibah Pascasarjana, DIKTI, 2011-2012.
13. Bilangan Kromatik-Lokasi untuk Graf Pohon dan Hasil Koronanya, Riset Program Doktor Unggulan IMHERE ITB, 2011-2012
14. Penentuan Bilangan Kromatik-Lokasi untuk Graf Halin, Riset Program Doktor Unggulan IMHERE ITB, 2010-2012.
15. Penentuan Bilangan Ramsey Graf Gabungan dan Pencarian Graf Ramsey-Minimal, Program Penguatan Riset Institusi – ITB, 2010.
16. Penentuan Bilangan Ramsey Ukuran (Size Ramsey) untuk Graf Lintasan dan Siklus, Hibah Kompetensi, DIKTI, 2008-2010
17. Ramsey-minimal graphs involving paths, International Research Grant ITB, 2008
18. Ramsey numbers for union of graphs, International Research Grant ITB, 2007
19. Aplikasi pelabelan graf, Hibah Pekerti (sebagai TPM dari sdr. Chairul Imron, ITS), 2006.
20. Problem Penjadwalan pekerjaan, Hibah Pekerti (sebagai TPM dari sdr. Wamiliana, Universitas Negeri Lampung), 2005-2006.
21. Ramsey Numbers, TWAS Research grant, Trieste ITALIA, 2006.

22. Pengembangan Metoda Pelabelan Graf dan Aplikasinya dalam Berbagai Permasalahan, Hibah Pekerti, 2004-2005 (sebagai TPM dari sdr. I Wayan Sudarsana, S.Si, M. Si, Universitas Tadulako, PALU).
23. Skema Pembagian Rahasia (Secret Sharing) Berdasarkan Pelabelan Graf, Hibah Bersaing XII, 2004-2005.
24. Graph Coloring, Project Grant QUE, 2000.
25. Large directed networks, TWAS Research grants, Trieste ITALIA, 2000.
26. Algebraic methods for construction of large digraphs, Young Academic Program (URGE), Feb 1997 – Jan 1999
27. On the existence of regular digraph of degree 3 with maximum order, SPP/OPF ITB, 1996 – 1997.

PUBLIKASI ILMIAH

Publikasi Internasional

1. I W. Sudarsana, H. Assiyatun, S. Uttunggadewa, E.T. Baskoro, On the Ramsey numbers $R(S_2, m, K_2, q)$ and $R(sK_2, K_s + C_n)$, *Ars Combin.* 119 (2015), 235-246.
2. T.K. Maryati, E.T. Baskoro, Irawati, On the path- (super) magicness of cycles with some pendants, *Utilitas Math.* 96 (2015), 319-330.
3. Edy Tri Baskoro, Kristiana Wijaya, On Ramsey $(2K_2, K_4)$ -Minimal Graphs, *Mathematics in the 21st Century, Springer Proceedings in Mathematics & Statistics* 98 (2015), 11-17.
4. Des Welyyanti, E.T. Baskoro, R. Simanjuntak, S. Uttunggadewa, The locating-chromatic number of disconnected graphs, *Far East J. Math. Sci.* 94:2 (2014), 169--182.
5. M. Imran, A.Q. Baig, S.A. Bokhary, E.T. Baskoro, New classes of convex polytopes with constant metric dimension, *Utilitas Mathematica* 95 (2014), 97-111.
6. I Wayan Sudarsana, Edy Tri Baskoro, Hilda Assiyatun, Saladin Uttunggadewa, On the Union of Graphs Ramsey Numbers, *Applied Mathematical Sciences* 8(16) (2014), 13-16.
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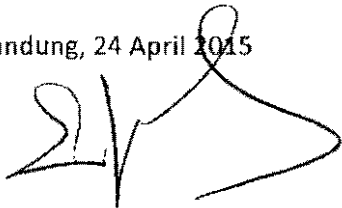
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