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Education (Dr.Eng) (PhD) (2010)

: Department of Earth Resources Engineering, Faculty of Engineering, Kyushu University **JAPAN**

Dissertation title : Hydrothermal Upgrading and Conversion of Peat and Low Quality Coal

Education (MSc.) (Dipl. Ing.) (2004)

: Engineering Science of Sustainable Resources Management (SRM) – Integrated Environmental Engineering (IEE), Technische Universität München (TUM) **GERMANY**

Thesis title : Soil Structural Development of Artificial Vegetation Substrates for the Reclamation Project “Oberdorf” GKB–Bergbau GmbH, Köflach Austria

Education (ST) (B.Eng.) (2000)

: Mining Engineering Department, The Faculty of Mineral Technology, University of Pembangunan Nasional “Veteran” (UPN) Yogyakarta **INDONESIA**

Thesis title : Evaluation of Blasting Operation at Limestone Quarry Tuban II at PT. United Tractors Semen Gresik Tuban, East Java

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ORGANIZATION AND RESEARCH WORK AND PROJECT EXPERIENCE:

1. Indonesian Researcher Union (HIMPENINDO)
 2. Association of Indonesian Mining Professionals (PERHAPI)
 3. Association of German Alumni (PAJ)
 4. Association of Japan Alumni (PERSADA)
 5. American Chemical Society (ACS)
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6. 2022 – at present : Director of Research Centre for Mining Technology (RCMT) – BRIN
 7. 2022 – 2022 : act. Director of Research Centre for Geological Resources (RCGR) – BRIN
 8. 2000 – at present : Researcher, at RCGR and RCMT – BRIN
 9. 2015 – 2018 : *Kepala Bidang Pengelolaan dan Diseminasi Hasil Penelitian (PDHP)*, Deputy Director for Research Output Management and Dissemination (PDHP) at Research Center for Geotechnology – Indonesian Institute of Sciences (LIPI)
 10. 2011 – 2015 : *Kepala Bidang Sumberdaya Bumi dan Rekayasa Mineral (SBRM)*, Deputy Director for Earth Resources and Mineral Engineering (SBRM) at Research Center for Geotechnology – LIPI
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11. 2021 – at present : Development of Coal and Coalite Beneficiation Engineering and Co-Processing for Functional Carbon Materials and Its Applications as a Precursor Material for Sheet Anode Carbon, PT. Bukit Asam (Persero) Tbk, **Indonesia**
 12. 2020 – at present : Development of Surfactant–Surface Modified Activated Carbon (SMAC) from Coalite, Insentif Riset Sistem Inovasi Nasional (INSINAS), **Indonesia**
 13. 2019 – at present : Development of Renewable Energy Resources by Co-Generation from Coal and Biomass, RISPRO LPDP, **Indonesia**
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14. 2018 – 2019 : Advanced Carbon Functional Material Produced from Low Quality Coal, National Priority (PN) Program LIPI, **Indonesia**
 15. 2017 : Visiting Researcher, Tongji University – **China**
 16. 2015 – 2017 : Conversion and Upgrading of Low Quality Coal for Production of Foundry Cokes, Metallurgical Cokes and Carbon Raiser, Excellent Research Program LIPI, **Indonesia**
 17. 2015 : Visiting Researcher, Korea Education and Research Information Service – **Korea**
 18. 2014 : Visiting Researcher, MDF Training & Consultancy – **Netherlands**
 19. 2012 – 2014 : CO₂ Capture, Storage and Utilization Project by Hydrothermal Carbonation Process, National Priority Program LIPI, **Indonesia**
 20. 2012 – 2014 : Beneficiation of Low Quality Coal and Silicate Mineral for Production of Surfactant–Surface Modified Activated Carbon (SMAC) and Microorganism Preservation Material (MPMO), Core Competent Research Program LIPI, **Indonesia**
 21. 2012 : Visiting Researcher, Ministry of Science and Technology – **South Africa**
 22. 2010 – 2015 : Visiting Researcher, Kyushu University – **Japan**
 23. 2006 : Visiting Researcher, Stockholm University – **Sweden**
 24. 2005 : Visiting Researcher, Universitaet Erfurt – **Germany**
 25. 2003 – 2004 : Visiting Researcher, GKB Bergbau GmbH – **Austria**
 26. 2004 : Reclamation Research Project at Coal Mining PT. Berau Coal, East Kalimantan–**Indonesia**
 27. 2004 : Reclamation Research Project at Tin Mining PT. Timah Tbk, Bangka–**Indonesia**
 28. 2004 : Upgrading of Low Grade Coal, Banten–**Indonesia**
 29. 2003 – 2004 : Reclamation Research Project at Coal Mining GKB–Oberdorf Köflach–**Austria**
 30. 2001 – 2002 : Production of Activated Carbon from Raw Tropical Peat, South Sumatra–**Indonesia**
 31. 2000 : Blasting Research Work at Tuban East Java, PT. United Tractors Semen Gresik–**Indonesia**
 32. 1999 : Second Class Blaster at Rembang Central Java, PT. Sinar Asia Fortuna–**Indonesia**
 33. 1999 – 2000 : Laboratory Assistance in Mineral Dressing and Processing at Mining Engineering Department, The Faculty of Mineral Technology University of Pembangunan Nasional “Veteran “ Yogyakarta

34. 1998 – 1999 : Laboratory Assistance in Geodecy at Mining Engineering Department, The Faculty of Mineral Technology University of Pembangunan Nasional “Veteran “ Yogyakarta
35. 1998 : Laboratory Assistance in Rock Mechanics at Mining Engineering Department, The Faculty of Mineral Technology University of Pembangunan Nasional “Veteran “ Yogyakarta
36. 1998 : Mineral Exploration Project Study at Bayat Region, Klaten Central Java
37. 1998 : Underground Mine Traversing at Cikotok Gold Mine, PT. Aneka Tambang West Java.

SCHOLARSHIPS, AWARDS, FELLOWSHIPS AND RESEARCH GRANTS:

1. Penghargaan Aparatur Sipil Negara (ASN) Inspiratif 2021, Inspirational State Civil Servant (ASN) Award 2021
2. Riset Inovatif Produktif (RISPRO), Lembaga Pengelola Dana Pendidikan (LPDP), Research Grant 2019–2022
3. Insentif Riset Sistem Inovasi Nasional (INSINAS), RISTEK-BRIN, 2020-2021
4. Research and Education Center for Carbon Resources (RECCR) Kyushu University Fellowship, 2015
5. Program Non-Gelar (Non-Degree) Riset-Pro, Kementerian Riset, Teknologi dan Pendidikan Tinggi, 2014
6. Indonesian Toray Science Foundation (ITSF), Research Grant 2012
7. Japan Science and Technology Agency (JST), Joint Research Grant 2010–2013
8. New Energy and Industrial Technology Development Organization (NEDO), Grant-in-Aid for Science Research 2009–2010
9. Global Centre of Excellence (G-COE) in Novel Carbon Resource Sciences, Grant-in-Aid for Science Research 2009–2010
10. Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for Science Research 2008–2009
11. Monbukagakusho Scholarship, Japan, October 2006 – March 2010
12. Marie Curie – European Union Fellowship Summer School, Stockholm University Sweden, August 13th– 23rd 2006
13. DAAD Alumni Fellowship Summer School, Universität Erfurt Germany, August 18th – September 6th 2005
14. DAAD (Deutscher Akademischer Austausch Dients) Scholarship, Germany, August 2002 – March 2004
15. “Karya Cindekia” Award on Graduation Ceremonial, November 2000
16. Mobil Oil Scholarship Candidacy 1999 / 2000, July 1999 – August 2000
17. Supersemar Scholarship, August 1998 – July 1999
18. University of Pembangunan Nasional “Veteran “ Yogyakarta Scholarship, 1997 – 1998

SCIENTIFIC JOURNAL REVIEWER AND EDITOR:

1. Fuel, (Elsevier), 2010 – at present
2. Fuel Processing Technology, (Elsevier), 2011 – at present
3. Energy Conversion and Management, (Elsevier), 2010 – at present
4. International Journal of Chemical Reactor Engineering, (De Gruyter), 2017 – at present
5. International Journal of Coal Preparation and Utilization, (Taylor & Francis), 2016 – at present
6. Environmental Earth Sciences, (Springer), 2013 – at present
7. Science of the Total Environment, (Elsevier), 2013 – at present
8. International Journal of Energy Research, (Wiley), 2014 – at present
9. Energy & Fuels, (American Chemical Society), 2013 – at present
10. International Journal of Coal Science & Technology, (Springer), 2018 – at present
11. Metallurgical and Materials Transactions, (Springer), 2018 – at present
12. Indonesian Journal of Geology and Mining (Jurnal Riset Geologi dan Pertambangan), (LIPI), 2014 – at present

SUPERVISOR, EXAMINER AND PANELLIST (ASSIGNMENT, THESIS AND DISSERTATION):

1. Institut Teknologi Bandung, 2011 – at present
2. Universitas Pendidikan Indonesia, 2011 – at present
3. Universitas Gadjah Mada, 2014 – at present
4. Universitas Padjadjaran, 2015 – at present
5. Universitas Sultan Ageng Tirtayasa, 2017 – at present
6. Universitas Prasetiya Mulya, 2018 – at present

SCIENTIFIC FAIR JUDGE AND MENTOR:

1. LKIR – LIPI (Lomba Karya Ilmiah Remaja) (National Scientific Paper and Youth Research Competition), 2014 – at present
2. MYRES (Madrasah Young Researcher Super Camp), 2018 – at present
3. PIRN – LIPI (Perkemahan Ilmiah Remaja Nasional) (National Youth Scientific Camp), 2016 – at present
4. Intel ISEF (International Science and Engineering Fair), Grand Award Judge, USA, 2019

PATENTS:

1. Indonesian Patent Application, No. S00202105269, Combustion Method in Modified Horizontal Fire Pipe of Coal Fired Steam Boiler (Retrofitted) and Vertical Fire Pipe Coal Fired Oil Boiler using Biomass-Coal Fuel Briquettes.
2. Granted-Certified Indonesian Patent, IDP000059976, The process of making lightweight materials in the form of sheets and blocks made from fly ash and the products they produce.
3. Indonesian Patent Application, No. P00 202010061, Rotary Kiln Machine for Carbonization and Coalite Activation Processes
4. Indonesian Patent Application, No. P00202005159, Desulfurized and Deoxygenated Bio-Coal Pellets and The Manufacturing Process
5. Indonesian Patent Application, No. P00201304919, Synthesis of Modernite and Manufacturing Process of Amorphous Silica Minerals obtained from from Dieng Geothermal Field
6. Indonesian Patent Application, No. P00201200698, Lightweight Materials in The Form of Sheets Made from Coal Fly Ash and Their Manufacturing Processes

PUBLICATIONS:

1. Yustanti, E.; Muharram, A.; Mursito, A.T. The Effect of Wood Tar and Molasses Composition on Calorific Value and Compressive Strength in Bio-coke Briquetting. International Journal of Renewable Energy Development, 11(3), 600-607. <https://doi.org/10.14710/ijred.2022.39298>
2. A T Mursito, L N Listiyowati, D N Arifin, D B Santoso and M D S Wicaksono. Preparation of carbon anode sheet precursor using raw Air Laya–Bukit Asam coal and its application for battery. 2021 IOP Conf. Ser.: Earth Environ. Sci. 882 012040
3. Dyah Marganingrum, Chandra Irawan, Anggoro Tri Mursito, Lenny Marilyn Estiaty, Lina Nur Listiyowati, Danang Noor Arifin, Hidawati. The Economic Assessment on Bottom Ash Utilizing as The Bio Coal Fuel. Jurnal Ekonomi Dan Pembangunan 29 (1), 27-40. <https://doi.org/10.14203/JEP.29.1.2021.27-40>.
4. Yustanti, E.; Wardhono, E.Y.; Mursito, A.T.; Alhamidi, A. Types and Composition of Biomass in Biocoke Synthesis with the Coal Blending Method. Energies 2021, 14, 6570. <https://doi.org/10.3390/en14206570>
5. Mursito, A.T., Widodo & Arifin, D.N. “*Characterization of bio-coal briquettes blended from low quality coal and biomass waste treated by Garant® bio-activator and its application for fuel combustion*”. International Journal of Coal Science and Technology (2020). <https://doi.org/10.1007/s40789-020-00309-0>

6. A. T. Mursito, A. Muharman, and E. Yustanti. "Producing bio-coke by redwood charcoal blending for blast furnace application". Proceedings of the 3rd International Seminar on Metallurgy and Materials (ISMM 2019) AIP Conference Proceedings 2232, 060004 (2020)
7. Ismi Handayani; Iramona; Hanifah Widiastuti, Anggoro Tri Mursito. "Combustion Kinetics of Coal and Raw Palm Kernel Shells Blend". 2019 2nd International Conference on Applied Engineering (ICAE). DOI: 10.1109/ICAE47758.2019.9221751
8. Mutia Dewi Yuniati, Feronika Cinthya Mawarni Putri Wawuru, Anggoro Tri Mursito, Iwan Setiawan, Ledyantje Lintjewas "The characteristic of Padamarang magnesit under calcination and hydrothermal treatment". Riset.Geologi.Pertambangan Vol 29, No 2 (2019). <http://dx.doi.org/10.14203/risetgeotam2019.v29.1016>
9. Himawan Tri Bayu Murti Petrus, Andreas Diga Pratama Putera, Edi Sugiarto, Indra Perdana, I Wayan Warmada, Fajar Nurjaman, Widi Astuti, Anggoro Tri Mursito. "Kinetics on roasting reduction of limonitic laterite ore using coconutcharcoal and anthracite reductants". Minerals Engineering 132 (2019): 126–133. <https://doi.org/10.1016/j.mineng.2018.11.043>
10. E Yustanti, H Kusumawati, T Partuti and A T Mursito. "The effects of hot briquetting on the coke strength in the biocoke making process with coal blending method". Materials Science and Engineering 478 (2019) 012025. doi:10.1088/1757–899X/478/1/012025
11. Anggoro Tri Mursito, Tsuyoshi Hirajima, Lina Nur Listiyowati, Sudarsono. "Surface physicochemical properties of semi-anthracitic coal from Painan–Sumatra during air oxidation". International Journal of Coal Science and Technology (2018) 5(2):156–166. <https://doi.org/10.1007/s40789–018–0207–4>
12. Anita Yuliyanti, Anggoro Tri Mursito, Widodo, Syamsul Rizal Muharam. "Mineralogi Bentonit Tasikmalaya Sebagai Media Penyerap CO2 Melalui Karbonasi Hidrotermal". Riset.Geologi.Pertambangan Vol. 28, No.1, Juni 2018 (13–23) DOI:10.14203/risetgeotam2018.v28.40
13. Galuh Yuliani, Amallia Yuliana, Agus Setiabudi, Anggoro Tri Mursito. "Possible Use of Raw and Treated Kalimantan Sub–Bituminous Coal as Colour Adsorbent in Aqueous Solutions". Journal of Chemical Technology and Metallurgy, 53, 2, 2018, 232–238.
14. Winny Wulandari, Subagjo, Anggoro Tri Mursito, Fadly Junico Juanjaya, and Muhammad Faqih Alwi. "Performance of Dolomite Calcination in a Bench–Scale Rotary Kiln". MATEC Web of Conferences 156, 06008 (2018) <https://doi.org/10.1051/mateconf/>
15. Anggoro Tri Mursito, Tsuyoshi Hirajima and Lina Nur Listiyowati "Physicochemical properties of hydrothermally treated peat fuel obtained from Mempawah–West Kalimantan: influence of hydrophilicity index on carbon aromaticity and combustibility". IOP Conf. Series: Earth and Environmental Science 118 (2018) 012069. doi :10.1088/1755–1315/118/1/012069
16. Solihin, Anggoro Tri Mursito, Zhengming Sun. "Formation Mechanism of Titanium Silicon Carbide: The Effect of Different Composition of Starting Materials". IOP Conf. Series: Materials Science and Engineering 214 (2017) 012023 doi:10.1088/1757–899X/214/1/012023
17. Solihin, Anggoro Tri Mursito, Eki N. Dida, Bagus D. Erlangga, Widodo. "Potential Application of Silica Mineral from Dieng Mountain in Agriculture Sector to Control the Release Rate of Fertilizer Elements". IOP Conf. Series: Materials Science and Engineering 214 (2017) 012030 doi:10.1088/1757–899X/214/1/012030
18. Xiangchun Liu, Tsuyoshi Hirajima, Moriyasu Nonaka, Anggoro Tri Mursito, and Keiko Sasaki; "Use of FTIR combined with forms of water to study the changes in hydrogen bonds during low–temperature heating of lignite". Drying Technology 2016; 34 (2); 185–193. doi:10.1080/07373937.2015.1026984
19. Fachruzzaki, Ismi Handayani, Anggoro Tri Mursito. "Hydrothermal extraction and gasification of low rank coal with catalyst Al₂O₃ and Pd/ Al₂O₃". Proceedings of the 1st International Process Metallurgy Conference (IPMC 2016) AIP Conf. Proc. 1805, 010001–1–010001–2; doi: 10.1063/1.4974406. 1805, 040010 (2017); doi: 10.1063/1.4974431
20. Galuh Yuliani, Ghea Gristannia Grandistin, & Anggoro Tri Mursito. "Karakterisasi Adsorpsi Batubara Muda Termodifikasi Hidrogen Peroksida Menggunakan Metode Kontinyu Terhadap Metilen Biru". Chimica et Natura Acta Vol.3 No.1, April 2015:21–24

21. Gany MU; Sulaksana N; Rosana MF; Anggoro Tri Mursito. "The Geological and Chemical Characteristic Relating to The Quality of Hampang Coal in Tanjung Formation, South Kalimantan Indonesia". Proceeding, The 2nd International Conference and The 1st Joint Conference, Faculty of Geology UNPAD – Faculty of Science and Natural Resources UMS Malaysia. Bandung, 29 September 2015. Pp. 59–66. ISSN 2443–4078
22. Anggoro Tri Mursito, Aditya Wibawa and Bagus Dinda Erlangga. "Low Quality Coal Processing Technology Innovation and Development for Cokes and Carbon Raiser Production and Its Application for Metallic Mineral Reduction". PROSIDING TPT XXIV DAN KONGRES IX PERHAPI 2015. JAKARTA, 26–28 OKTOBER 2015. Hal. 620–626. ISBN 978–979–8826–25–2
23. Anggoro Tri Mursito, Anita Yulianti and Jakah. "Hydrothermal Carbonation of K–Rich Ash, Value Added Energy Engineering and CO₂ Mineral Sequestration". Procedia Chemistry 2015; (14); 56 – 65; doi: 10.1016/j.proche.2015.03.010
24. Eko Tri Sumarnadi Agustinus, Happy Sembiring, Mutia Dewi Yuniati, Efendi and Anggoro Tri Mursito. "An application for Java natural silicates mineral and recycled amorphous Silica and its beneficiation for production of advanced material and pharmaceutical raw materials". Minerals Processing & Beneficiation. Editor: Awni Al–Otoom and Mohammad Al–Harahsheh, Daya Publishing House, New Delhi 110 002, India. 2015, Pp 39–50.
25. Anggoro Tri Mursito, Atet Saepuloh and Eki Naidania Dida. "Carbonization of Banten Coal By Adding Water Steam; Changes On Carbon Functional Groups And Pore Characteristics". Indonesian Mining Journal (IMJ). Volume 17, No. 3, October 2014. Pp 157–165. ISSN 0854–9931
26. Aska Mori, Mutia Dewi Yuniati, Anggoro Tri Mursito, Shinji Kudo, Koyo Norinaga, Moriyasu Nonaka, Tsuyoshi Hirajima, Hyun–Seok Kim, and Jun–ichiro Hayashi. "Preparation of Coke from Indonesian Lignites by a Sequence of Hydrothermal Treatment, Hot Briquetting, and Carbonization". Energy & Fuels 2013; 27 (11); 6607–6616. DOI : 10.1021/ef4016558
27. Anggoro Tri Mursito, Lina Nur Listiyowati, Eki Naidania Dida, Atet Saepuloh, Dina Syazwani and Alia Najiah; "Carbonization of Low Quality Coal and Recycled Petroleum Cokes and Its Application for Foundry Cokes Production". Proc. International Symposium on Earth Science and Technology 2012 (Bandung–Indonesia), pp.351–355, Sept.18–19, 2012.
28. Anggoro Tri Mursito, Widodo, Anita Yulianti, Eki Naidania Dida, Djupriono, Fuad Saebani, and Syamsul Rizal Muharam: "Hydrothermal Synthesis of Recycled K–Rich Ash Obtained from Empty Fruit Bunch and Its Application for CO₂ Capture and Mineral Carbonation". Proc. the 2nd International Symposium for Sustainable Humanosphere "Balancing Efforts on Environment Usage in Economy and Ecology" August 29, 2012 Auditorium LAPAN, Bandung INDONESIA, pp. 87–92, ISSN 2088–9127
29. Anggoro Tri Mursito, Tsuyoshi Hirajima, "Hydrothermal Treatment of Hokkaido Peat; An Application of FTIR and ¹³C NMR Spectroscopy on Examining of Artificial Coalification Process and Development". Infrared Spectroscopy – Materials Science, Engineering and Technology. Pp. 179–192. Edited by Theophile Theophanides, ISBN 978–953–51–0537–4, Hard cover, 510 pages, Publisher: InTech, Published: April 25, 2012 under CC BY 3.0 license, in subject Chemistry. DOI: 10.5772/2055
30. Anggoro Tri Mursito, Tsuyoshi Hirajima, "Effects of hydrothermal upgrading of tropical peat on the improvement of devolatilization and combustion characteristics of peat fuel products". Proc. the Second International Symposium on Gasification and Its Application (ISGA 2010), 5 – 8 December 2010, Fukuoka, Japan. ID B23.
31. Anggoro Tri Mursito, Tsuyoshi Hirajima and Keiko Sasaki, "Alkaline hydrothermal de-ashing and desulfurization of low quality coal and its application to hydrogen–rich gas generation", Energy Conversion and Management (2010), doi:10.1016/j.enconman.2010.08.001
32. Anggoro Tri Mursito, Tsuyoshi Hirajima, Keiko Sasaki and Satoshi Kumagai, "The effect of hydrothermal dewatering of Pontianak tropical peat on organics in wastewater and gaseous products" Fuel 89 (2010), 3934–3942., doi:10.1016/j.fuel.2010.06.035
33. Anggoro Tri Mursito, Tsuyoshi Hirajima and Keiko Sasaki, "Upgrading and dewatering of raw tropical peat by hydrothermal treatment". Fuel 89 (2010), 635–641., doi:10.1016/j.fuel.2009.07.004

34. Anggoro Tri Mursito, Tsuyoshi Hirajima and Keiko Sasaki, "*Characteristics of hydrothermally-upgraded peat and its application for fuel based combustion*", Proc. the 10th International Symposium on East Asian Resources Recycling Technology (EARTH 2009) (Jeju-Korea), pp. 846-849, Nov., 2009.
35. Anggoro Tri Mursito, Tsuyoshi Hirajima and Keiko Sasaki, "*Product characterization of raw peat and low quality coal treated by alkaline hydrothermal: A novel method of CO₂ capturing and hydrogen generation*", Proc. the 2nd International Symposium of Novel Carbon Resource Science, Earth Resources Science and Technology (Bandung-Indonesia), pp. 110-117, March., 2009.
36. Anggoro Tri Mursito, Tsuyoshi Hirajima, Keiko Sasaki, "*Characterization of hydrothermally-treated products of peat*", Proc. Annual Meeting (Spring) MMIJ 2009.
37. Anggoro Tri Mursito and Tsuyoshi Hirajima, "*Recent progress in Indonesian peat utilization research*", Journal of MMIJ (Mining and Materials Processing Institute of Japan) Vol. 124 (2008), no.12, pp.871-877, Dec., 2008.
38. Anggoro Tri Mursito, Tsuyoshi Hirajima and Keiko Sasaki, "*Catalytic effects on products of alkaline hydrothermal treatment of raw peat*", Proc. of International Symposium on Earth Science and Technology 2008 (Fukuoka-Japan), pp. 35-42, Dec., 2008.
39. Anggoro Tri Mursito, Tsuyoshi Hirajima, Moriyasu Nonaka, Keiko Sasaki, "*Alkaline Hydrothermal Treatment for High Ash and Sulfur Content of Banten Coal*", Proc. Annual Meeting (Spring) MMIJ 2008, II, pp.191-192, Mar., 2008
40. Anggoro Tri Mursito, Tsuyoshi Hirajima, Rosalia Amelia, Lestari Simanjuntak and Restiana Dewi, "*Investigation on Upgrading of Low Rank Coal by Water Steam Flows in the Thermal Environment*", Proc. Annual Meeting (Spring) Mining and Materials Processing Institute of Japan (MMIJ) 2007, II, pp.37
41. Anggoro Tri Mursito, Tsuyoshi Hirajima, Moriyasu Nonaka, Keiko Sasaki, "*Fundamental Study on Production of Peat Fuel using Hydrothermal Treatment*", Proc. the 5th International Symposium on Earth Science and Technology (Fukuoka) 2007, pp.107
42. Anggoro Tri Mursito, Tsuyoshi Hirajima, "*An Overview of Indonesian Peat Research, Utilization and Environmental Consideration*", Proc. Annual Meeting (Fall) MMIJ 2007, B5, pp.245
43. Anggoro Tri Mursito, Tsuyoshi Hirajima and Harijanto Soetjijo. "*Solid Carbonaceous Material Resources of Peat Swamp Forest Fires for Production of Activated Carbon*", Proc. Annual Meeting (Spring) MMIJ 2007, II, pp.39
44. Anggoro Tri Mursito, Tsuyoshi Hirajima, Rosalia Amelia, Lestari Simanjuntak and Restiana Dewi, "*Investigation on Upgrading of Low Rank Coal by Water Steam Flows in the Thermal Environment*", Proc. Annual Meeting (Spring) Mining and Materials Processing Institute of Japan (MMIJ) 2007, II, pp.37
45. Anggoro Tri Mursito, "*Unburnt coal matrixes qualification and quantification on artificial vegetation substrates column by high resolution Computed Tomography imaging technique*", Journal of Indonesian Technology 2005, 28 (1).
46. Anggoro Tri Mursito and R. Amelia. "*Rapid Ex situ Collection and Thermal Behavior Analysis of Volatile Organic Matters by Thermal Extraction Cone Chamber for High Unburnt Coal Fly Ash*", Journal of Geology and Mining Research 16 (1), 53-59.
47. Anggoro Tri Mursito, "*Hydraulic Conductivity Behavioral Development on Artificial Vegetation Substrates for The Coal Mining Reclamation Project "Oberdorf" GKB-Bergbau GmbH Köflach Austria*", Proc.33rd Annual Convention and Exhibition, IAGI (Indonesian Association of Geologists) 2004, 93-114.
48. Anggoro Tri Mursito, "*Analysis on effects of coal fly ash for clinker burning and its chemical composition of portland cement (in Indonesian)*", Journal of Mineral Technology 17 (1), 20-25.s
49. Anggoro Tri Mursito, "*Raw mix design for alternative portland cement clinker from acetylene lime waste and natural pozzolan (in Indonesian)*", Proc. National Seminar on Chemical Engineering and Process 2004, C15-1-C15-6.
50. Anggoro Tri Mursito, "*2-Dimensional Visualization and Quantification of Artificial Vegetation Substrates by Single Energy X-Ray Tomography for The Coal Mining Reclamation Project "Oberdorf" GKB-Bergbau GmbH Köflach- Austria*", Proc. National Seminar on Environmental Geotechnology 2004, TP63-TP74.

51. Anggoro Tri Mursito, “Coal potential resource at Berengkong–Rembang, Central Java and its utilization for underground coal gasification study (in Indonesian)” Journal of IAGI (Indonesian Association of Geologists); Geological Resources in Yogyakarta and Central Java 2002, 119–127.
52. Harjanto Sutijjo, Anggoro Tri Mursito, 2002; Geotechnology Research; “Development of Activated Carbon Pores based Peat from Tulung Selapan, South Sumatra Indonesia”
53. Anggoro Tri Mursito, 2002; Geotechnology News, No.01, Tahun XV; “Study of Upgrading Low Grade Coal using Hydrothermal Supercritical Fluid and Supercritical Water Oxidation”
54. Harjanto Sutijjo, Anggoro Tri Mursito, 2001; Geotechnology Research; “Production of Activated Carbon based Peat from Tulung Selapan, South Sumatra Indonesia”
55. Anggoro Tri Mursito, 2001; Geotechnology News, No.06, Tahun XIV; “Study of Blasting Direction due to Rock Discontinuity Approach in Limestone Mining”
56. Anggoro Tri Mursito, Nanang Subiyanto, 1998; TVRI; “Acetylene By–product and Tuff (Trass) Resources and Utilizations for Cemented Agents and Binderung”