

DAFTAR PUSTAKA

- Amijaya, H., dan Littke, R., 2005, Paleoenvironmental, paleoecological and thermal metamorphism implication on the organic petrography and organic geochemistry of Tertiary Tanjung Enim coal, South Sumatra Basin, Indonesia, [Dissertation]: Germany, RWTH Aachen, 157 p.
- Anggara, F., Utami, E.D., Rahardja, R.D., Harijoko, A., 2016, Mineralogi dan Geokimia Intrusi di Tambang Batubara Bukit Asam, Sumatra Selatan, Indonesia, Prosiding Seminar Nasional Kebumihan ke-9 Peran Penelitian Ilmu Kebumihan Dalam Pemberdayaan Masyarakat, Oktober 2016: Yogyakarta, Grha Sabha Pramana, pp. 192-198.
- Anggayana, K., 1996, Mikroskopische und organisch-geochemische Untersuchungen an Kohlen aus Indonesien, ein Beitrag zur Genese und Fazies verschiedener Kohlenbecken. [Dissertation]: Germany, RWTH Aachen, 224 p.
- Aoya, M., Kouketsu, Y., Endo, S., Shimizu, H., Mizukami, T., Nakamura, D., dan Wallis, S., 2010, Extending the applicability of the Raman carbonaceous-material geothermometer using data from contact metamorphic rocks, *Journal of Metamorphic Geology* 28, pp. 895-914.
- ASTM D-2797, 2004, Standard Practice for Preparing Coal Samples for Microscopical Analysis by Reflected Light, Annual Book of Standards, Volume 05.06: Pennsylvania, ASTM International.
- ASTM D3172-13, 2013, Standard Practice for Proximate Analysis of Coal and Coke, Annual Book of Standards, Volume 05.06: Pennsylvania, ASTM International.
- Beysac, O., Chopin, C., Rouzaud, J.N. dan Goffe, B., 2002b, Raman spectra of carbonaceous material in metasediments: a new geothermometer, *Journal of Metamorphic Geology* 20, pp. 859-871.
- Buseck, P., dan Beysac, O., 2014, From Organic Matter to Graphite: Graphitization, *Elements* 10, pp. 421-426.
- Bishop, M. G., 2001, South Sumatra Basin Province, Indonesia: The Lahat and Talang Akar-Cenozoic Total Petroleum System: Colorado, Open File Report 99-50-S USGS, pp. 1-22.
- Chen, P.Y., 1997, Table of Key Lines in X-Ray Powder Diffraction Patterns of Minerals in Clays and Associated Rocks, Department of Natural Resources Geological Survey Occasional Paper 21, pp. 1-38
- Chung, D.D.L., 2002, Review Graphite, *Journal of Materials Science* 37, pp. 1475-1489.
- Daly, M.C., Hooper, B.G.D., Smith, D.G., 1987, Tertiary plate tectonics and basin evolution in Indonesia, Proceeding Regional Congress on Geology, Mineral and Hydrocarbon Resources of Southeast Asia (GEOSEA VI), 6th, Jakarta, pp.1-28.
- Darman, H., Sidi, F.H., 2000, An outline of the geology of Indonesia, Indonesian Association of Geologists: Jakarta, 254 p.

- Daulay, B., Ningrum, N.S., Cook, A.C., 2000, Coalification of Indonesian coal, Proceedings of Southeast Coal Geology Conference: . Bandung, Directorate General of Geology and Mineral Resources of Indonesia, pp. 85–92.
- de Coster, G.L., 1974, The Geology of the Central and South Sumatra basins, Proceeding Indonesian Petroleum Association, 3rd Annual Convention, pp. 77–110.
- Diessel, C.F.K., 1992, Coal-Bearing Depositional Systems: Berlin, Springer Verlag, 721 p.
- Franklin, R.E., 1951, Crystallite growth in graphitizing and non-graphitizing carbons, Proceeding The Royal Society London A 209, 196–218.
- Gafoer, S., Purbohadiwidjoyo, M.M., 1986, The geology of Southern Sumatra and its bearing on the occurrence of mineral deposits. Bulletin of the Geological Research and Development Center 12: Bandung, Directorate General of Geology and Mineral Resources of Indonesia, pp. 15–30.
- Ginger, D., Fielding, K., 2005, The Petroleum Systems and Future Potential of the South Sumatra Basini, Proceeding Indonesian Petroleum Association, 13th Annual Convention, pp 67-89.
- Girard, I., and Klassen, R.A., 2001, A comparison of seven methods or analysis of carbon in soils, Geological Survey of Canada, Current Research 2001-E11, 9 p.
- Iskandar, E., 1994, Thermometamorphose im Bukit Asam Kohlenrevier, Südsumatra, Indonesien, [Dissertation], Germany, University of Cologne, 117 p.
- International Committee for Coal and Organic Petrology, 2011, Training Course on Dispersed Organic Matter, Chapter 2: Portugal, Departement of Geoscience. pp. 4-71.
- International Committee for Coal and Organic Petrology, 2001, The new inertinite classification (ICCP System 1994), Fuel 80: Great Britain, Elsevier, pp. 459-471
- International Committee for Coal and Organic Petrology, 1998, The new vitrinite classification (ICCP System 1994), Fuel 77: Great Britain, Elsevier, pp. 349-358.
- Kwieceńska, B., dan Petersen, H.I., 2004, Graphite, semi-graphite, natural coke, and natural char classification—ICCP system, International Journal of Coal Geology 57, pp. 99–116.
- Killops, S.D. and Killops, V.J., 2005, Introduction to Organic Geochemistry 2nd Edition: Malden, Blackwell Publishing, pp. 122-128.
- Large, D.J., Christy, A.G., dan Fallick, A.E. 1994, Poorly crystalline carbonaceous matter in high grade metasediments: implications for graphitisation and metamorphic fluid compositions. Contributions to Mineralogy and Petrology: Berlin, Springer Verlag pp. 108–116.
- Levine, J.R., 1993, Coalification: The Evolution of Coal as Source Rock and Reservoir Rock for Oil and Gas: Alabama, University of Alabama, pp. 39-77.
- Luque, F.J., Pasteris, J.D., Wopenka, B., Rodas, M., Barrenechea, J.F., 1998, Natural fluiddeposited graphite: mineralogical characteristics and mechanisms of formation, American Journal of Science 298, pp. 471–498.

- Mackowsky, M.Th., 1982. Minerals and trace elements occurring in coal, Stach's Textbook of Coal Petrology 3rd Edition: Gebrüder Borntraeger, Berlin, pp.153-171.
- Mastalerz, M., Drobniak, A., Hower, J., dan O'Keefe, J., 2011, Spontaneous Combustion and Coal Petrology, Coal and Peat Fires: A Global Perspective: Volume 1: Coal - Geology and Combustion, pp. 47-62.
- Moore, T. A. dan Ferm, J.C., 1992, Composition and grain size of an Eocene age coal bed in southeasten Kalimantan (Borneo), Indonesia, International Journal of Coal Geology 21, 1-30.
- Nakamura, Y., dan Akai, J., 2013, Microstructural evolution of carbonaceous material during graphitization in the Gyoja-yama contact aureole: HRTEM, XRD and Raman spectroscopic study, Journal of Mineralogical and Petrological Sciences 108(3), pp.131-143.
- Oberlin, A., Terriere, G., 1975, Graphitization studies of anthracites by high resolution electron microscopy, Carbon 13, pp. 367–376.
- Olson, D.W., 2015, Graphite (Natural): U.S. Department of the Interior, U.S. Geological Survey, Mineral Commodity Summaries, January 2015, pp.68-69.
- O'Neill, T., 2016, An investigation of the self-heating properties of heat-affected coal, [published thesis]: Brisbane, School of Mechanical and Mining Engineering, The University of Queensland, 56 p.
- Pareek, H.S., 1965, Petrological Characteristic of Barakar Coal Seams, Metamorphosed by Lamprophyre Sill in The Jharia Coalfield, Bihar, Geological Survey of India, pp. 261-270
- Pickel, W., Kus, J. Flores, D., Kalaitzidis, S., Christanis, K., Cardott, B.J., Miskennan, M., Rodrigues, S., Hentschel, A., Hamor-Vido, M., Crosdale, P., dan Wagner, N., ICCP. 2017, Classification of liptinite – ICCP System 1994, International Journal of Coal Geology 169, pp. 40-61
- PT. Bukit Asam (Persero) Tbk., 2010, Internal Report on Geophysical Logging. [unpublished]
- PT. Bukit Asam (Persero) Tbk., 2012, Internal Report on Intrusion Mapping. [unpublished]
- Pujobroto, A., dan Hutton, A.C., 2000, Influence of andesitic intrusions on Bukit Asam coal, South Sumatra Basin Indonesia, Proceeding Southeast Coal Geology Conference: Bandung, Directorate General of Geology and Mineral Resources of Indonesia, pp. 81–84.
- Pujobroto, A., 1997, Organic petrology and geochemistry of Bukit Asam coal, South Sumatra, Indonesia, [Unpublished Ph.D. thesis]: Australia, University of Wollongong, 397 p.
- Rimmer, S.M., Yoksoulian, L.E., Hower, J.C., 2009, Anatomy of an intruded coal, I: Effect of contact metamorphism on whole-coal geochemisry, Springfield (No.5) (Pennsylvanian) coal, Illinois Basin, International Journal Coal Geology 79, pp. 74-82.
- Rodrigues, S., Suárez-Ruiz, I., Marques, M., Flores, D., 2012a, Catalytic role of a mineral matter in structural transformation of anthracites during high temperature, International Journal Coal Geology 93, pp. 49-55.

- Rodrigues, S., Marques, M., Edward, C.R., Suárez-Ruiz, I., Flores, D., 2012b, Mineral transformations during high temperature treatment of antrachite, *International Journal Coal Geology* 94, pp. 191-200.
- Sader, J.A., Gravel, J., Janke, L., and Hall, L., 2015, In-depth study on carbon speciation focussed on graphite, *Proceeding Symposium on Strategic and Critical Materials*, November 2015: Victoria, British Columbia. British Columbia Ministry of Energy and Mines, British Columbia Geological Survey Paper 2015-3, pp. 187-191.
- Schopf, J. M., 1960, A definition of coal. *Economic Geology*, 51(6), pp. 521–527.
- Shell Mijnbouw N.V., 1978, Geological study of the Bukit Asam coal mines: Jakarta, 18 pp.
- Simandl, G.J., Paradis, S., and Akam, C., 2015, Graphite deposit types, their origin, and economic significance, dalam *Prosiding, Symposium on Strategic and Critical Materials*, November 2015: Victoria, British Columbia, British Columbia Ministry of Energy and Mines, British Columbia Geological Survey Paper 2015-3, pp. 163-171.
- Singh, A.K., Singh, M.P., Sharma, M., dan Srivastava, S.K., 2007, Microstructures and microtextures of natural cokes: A case study of heat-affected coking coals from the Jharia coalfield, India, *International Journal of Coal Geology*, 71(2-3), pp. 153-175.
- Speight, J.G. 2005 *Handbook of Coal Analysis*: New Jersey, John Wiley & Sons, Inc. 345 p.
- Stach, E., Mackowsy, M., Teichmuller, M., 1982, *Coal Petrology*, 3rd: Berlin, Gebruder Borntraeger.
- Suarez-Ruiz, I., Crelling, J.C., 2008, *Applied Coal Petrology: The Role of Petrology in Coal Utilization*: Elsevier.
- Sukandarrumidi, 1999, *Bahan Galian Industri*: Yogyakarta, Gadjah Mada University Press.
- Susilawati, R., dan Ward, C.R., 2006, Metamorphism of mineral matter in coal from the Bukit Asam deposit, south Sumatra, Indonesia, *International Journal of Coal Geology* 68, pp. 171–195.
- Sýkorová, I., Pickel, W., Christanis, K., Wolf, M., Taylor, G.H., Flores, D., 2005, Classification of huminite – ICCP System 1994, *International Journal of Coal Geology* 62, pp. 85-106.
- Taylor, G. H., Teichmuller, M., Davis, A., Diessel, C. F., Littke, R., dan Robert, P., 1998, *Organic Petrology*: Berlin, Stuttgart, Gebruder Borntraeger.
- Teichmüller, M., Teichmüller, R., 1979. Diagenesis of coal (coalification). In Larsen, G., Chilingar, G.V. (Eds), *Diagenesis in Sediments and Sedimentary Rocks*: Elsevier, Amsterdam, pp. 207-246.
- Thomas, L., 2002, *Coal Geology*: New Jersey, John Wiley & Sons, Inc., pp. 1-173.
- Ward, C.R., 2002, Analysis and significance of mineral matter in coal seams, *International Journal of Coal Geology* 50, pp. 135–168.
- Ward, C.R., 1984, *Coal Geology and Coal Technology*: Melbourne, Blackwell Scientific Publications, 345 p.