DAFTAR PUSTAKA

Adaro Energi Tbk., 2019, ***Annual Report 2019***, PT. Adaro Energi, Tbk, 411 pp.

Alpern, B., Lemos de Sousa, M.J and Flares, D., 1989, ***A Progress Report on The Alpern Coal Classification,*** lnternational Journal of Coal Geology, Vol. 13, p.. 1-19.

Akinyemi, S.A., Gitari, W.M., Akinlua, A and Petrik, L.F., 2012, ***Mineralogy and Geochemistry of Sub-Bituminous Coal and Its Combustion Products from Mpumalanga Province, South Africa***, INTECH, http://dx.doi.org/10.5772/50692.

Amarullah, D., Margani, S., Priono dan Sudiro., 2002., ***Inventarisasi dan Evaluasi Endapan Batubara Kabupaten Barito Selatan dan Barito Utara, Provinsi Kalimantan Tengah***, Direktorat Inventarisasi Sumber Daya Mineral, Laporan Inventarisasi dan Evaluasi Bahan Galian Indonesia, 21 pp.

Amijaya, H and Littke, R., 2006, ***Properties of Thermally Metamorphosed Coal From Tanjung Enim Area, South Sumatra Basin, Indonesia with Special Reference to The Coalification Path of Macerals***, lnternational Journal of Coal Geology, 66, p.271-295.

ASTM D3173., 2004, ***Standard Test Method for Moisture in the Analysis Sample of Coal and Coke***, ASTM International, West Conshohocken, PA.

ASTM D3174., 2004, ***Standard Test Method for Ash in the Analysis Sample of Coal and Coke from Coal***, ASTM International, West Conshohocken, PA,

ASTM D3175, 2004, ***Standard Test Method for Volatile Matter in the Analysis Sample of Coal and Coke***, ASTM International, West Conshohocken, PA.

ASTM D3176-89., 2002, ***Standard Practice for Ultimate Analysis of Coal and Coke***, ASTM International, West Conshohocken, PA.

ASTM D3177-02., 2007, ***Standard Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke***, ASTM International, West Conshohocken, PA

ASTM D3178-89., 2007, ***Standard Test Methods for Carbon and Hydrogen in the Analysis Sample of Coal and Coke***, ASTM International, West Conshohocken, PA.

ASTM D2798-09., 2009, ***Standard Test Method for Microscopical Determination of the Vitrinite Reflectance of Coal***, ASTM International, West Conshohocken, PA.

ASTM D4239-04,. 2004, ***Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High-Temperature Tube Furnace Combustion Methods***, ASTM International, West Conshohocken, PA.

ASTM D6796-02., 2008, ***Standard Practice for Production of Coal, Coke and Coal Combustion Samples for Interlaboratory Studies***, ASTM International, West Conshohocken, PA.

ASTM D2639 / D2639M-16., 2016, ***Standard Test Method for Plastic Properties of Coal by the Constant-Torque Gieseler Plastometer***, ASTM International, West Conshohocken, PA.

ASTM D720-91., 2010, ***Standard Test Method for Free-Swelling Index of Coal***, ASTM International, West Conshohocken, PA.

ASTM D5341-99., 2010 e1, ***Standard Test Method for Measuring Coke Reactivity Index (CRI) and Coke Strength After Reaction (CSR),*** ASTM International, West Conshohocken, PA.

ASTM D5373-13., 2013, ***Standard Test Methods for Determination of Carbon, Hydrogen and Nitrogen inAnalysis Samples of Coal and Carbon in Analysis Samples of Coal and Coke***, ASTM International, West Conshohocken, PA.

ASTM D2639 / D2639M-16., 2016, ***Standard Test Method for Plastic Properties of Coal by the Constant-Torque Gieseler Plastometer***, ASTM International, West Conshohocken, PA.

Australian Standard 2856., 1986, ***Coal Maceral Analysis***, Standard Australia, 20 p.

Australian Standard 2856. 2., 1998, ***Coal Maceral Analysis***, Standard Australia, 20 p.

Barker, C.E., Crysdale, B.L., Pawlewicz, M.J, 1986, ***The relationship between vitrinite reflectance, metamorphic grade, and temperature in the Cerro Prieto, Salton Sea and East Mesa geothermal systems, Salton Trough, United States and Mexico. In: Mumpton, F.A***. (Ed.), Studies in Diagenesis. U.S Geological Survey Bulletin, vol. 1578, pp. 83–95.

Bayliss, P., Smith, D.K., Mrose, M.E and Berry, L.G., 1980a, ***Mineral Powder Diffraction File: Book 1, Data Book***, JCPDS, International Centre for Diffraction Data, 1601 Park Line, Swarthmore, Pennsylvania 19081, USA, 1168p.

Bayliss, P., Smith, D.K., Mrose, M.E and Berry, L.G., 1980b, ***Mineral Powder Diffraction File: Book 2, Search Manual***, JCPDS, International Centre for Diffraction Data, 1601 Park Line, Swarthmore, Pennsylvania 19081, USA, 484p.

Baysal, M., Yürüm, A., Yıldız, B and Yürüm, Y., 2016, ***Structure of Some Western Anatolia Coals Investigated by FTIR, Raman, 13C Solid State NMR Spectroscopy and X-Ray Diffraction***, *International Journal of Coal Geology*, 163, p. 166-176.

Borneo Lumbung Energi and Metal., 2013, ***Annual Report 2013***, PT. Borneo Lumbung Energi and Metal, Tbk, 230 pp.

Cheng A, 2001., ***Coke quality requirements for blast furnaces***, Iron Steelmaker, Vol.28, p. 78-81.

Cypres, R and Soudan-Moinet, C., 1980, ***Pyrolysis of coal and iron oxides mixtures. 1. Influence of iron oxides on the pyrolysis of coal***, Fuel, Vol.59, p. 48-54.

Diessel, C.F.K., 1992, ***Coal Bearing Depositional Systems***, Springer-Verlag, Berlin, 721 pp.

Diez, M.A., Alvarez, R and Barriocanal, C., 2002, ***Coal For Metallurgical Coke Production: Predictions Of Coke Quality And Future Requirements For Cokemaking,*** International Journal of Coal Geology, Vol.50, *p. 385*-412.

Doust, A and Noble, R.A., 2008, ***Petroleum System of Indonesia,*** Marine and Petroleum Geology, Vol.25, *p. 103*-129.

Falcon, R.M.S, Snyman, C.P., 1986, ***An Introduction to Coal Petrography***. Geological Sociaty of South Africa, Johannesburg.

Fuchs, W and Sandohoff, A.G., 1942, ***Theory of Coal Pyrolysis***, Ind. Eng. Chem., Vol. 34 Pennsylvania, p. 567-573.

Gransden, J.F., Jorgensen, J.G., Price, J.T and Ramey, N.J., 1991, ***Applications of Microscopy to Coke Making,*** International Journal of Coal Geology, Vol. 19 p. 77-107.

Gray, R.J and Devanney, K.F., 1986, ***Coke carbon forms: Microscopic Classification And Industrial Applications***, International Journal of Coal Geology, Vol. 6 p. 277-297.

Grigore, M, Sakurovs, R., 2007, ***Effect of carbonisation conditions on mineral***, ISIJ International, Vol. 47 p.62-66

Grigore, M, Sakurovs, R, French, D, Sahajwalla, V., 2012, ***Properties and CO2 reactivity of the inert and reactive maceral-derived components in cokes***, International Journal of Coal Geology, Vol. 98 p.1-9

Goodarzi, F., Sanei, H., Stasiuk, L.D., Sadeghi, B.H., and Reyes, J., 2006, ***A Preliminary Study of Mineralogy and Geochemistry of Four Coal Samples from Northern Iran***, International Journal of Coal Geology, Vol. 65, p. 35-50.

Haenel, M.W., 1992, ***Recent Progress in Coal Structure Research***, *Fuel,* Vol. 71, November, p.1211-1223.

Hair, J, Anderson, R, Black, B and Babin, B, 2010., ***Multivariate Data Analysis***, Uppersaddle River, Pearson Prentice-Hall, Inc, 900 pp.

Hatcher, P.G dan Clifford, D.J., 1997, ***The Organic Geochemistry of Coal***, Organic Geochemistry Vol. 27, p. 251–274.

Huggins, F.E., 2002, ***Overview of Analytical Methods for Inorganic Constituent in Coal***, International Journal of Coal Geology, Vol.50, p. 169-214.

Khan, M.R, Walker, P.L and Jenkins, R.G., 1988, ***Swelling and plastic properties of coal devolatilized at elevated pressures of H2 and He: Influence of added iron oxides***, Fuel, Vol. 67 p. 693-699.

International Committee for Coal and Organic Petrology (ICCP), 1998, ***The New Vitrinite Classification (ICCP System 1994)***, Fuel, Vol. 77, No. 5, p. 349-358.

International Committee for Coal and Organic Petrology (ICCP), 2001, ***The New Inertinite Classification (ICCP System 1994)***, Fuel, 80, p.459-471.

ISO 562:2010., 2010, ***Hard Coal and Coke - Determination of Volatile Matter***, International Organization for Standardization, Switzerland.

ISO 1171:2010., 2010, ***Solid Mineral Fuels - Determination of Ash,*** International Organization for Standardization, Switzerland.

ISO 11722:2013., 2013, ***Solid Mineral Fuels - Hard Coal - Determination of Moisture in The General Analysis Test Sample by Drying in Nitrogen,*** International Organization for Standardization, Switzerland.

ISO 17246:2010., 2010, ***Coal - Proximate Analysis***, International Organization for Standardization, Switzerland.

Kabe, T., Atsushi, I., Eika, W., Qian, I., Putu, S and Kabe, Y., 2004, ***Coal and Coal-Related Compounds Structures, Reactivity and Catalytic Reactions***, Elsevier Science and Technology, Philadelphia, 362 pp.

Kontan., 2018, **Adaro Energy ingin pasok semua kebutuhan kokas domestik**, Web. 29 April 2018, https://investasi.kontan.co.id, 1 pp

Krzesinska, M, Slawomira Pusz, S and Smedowski, L., 2009, ***Characterization of the porous structure of cokes produced from the blends of three Polish bituminous coking coals***, International Journal of Coal Geology, Vol.78, p. 167-176.

Marsh, H., Edward, S., Menendez, R., Rand, B., West, S., Hosty, A.J. Kuo, K., McEnaney, B., Mays, T., Johnson,D.J., Patrick,J.W., Clarke, D.E., Crelling, J.C and Gray, R.J., 1989, ***Introduction to Carbon Science, Vol. 1***, Elsevier Science Publisher, 348 pp

Meng, F., 2015, ***Effect of Coal Chemistry on Carbonization Behaviour and Association with Coke Characteristics***, Thesis, The University Of New South Wales, 251 pp

Menteri ESDM, 2017, ***Peraturan Menteri ESDM Nomor 7 Tahun 2017 tentang Tata Cara Penetapan Harga Patokan Penjualan Mineral Logam Dan Batubara***, Direktur Jenderal Peraturan Perundang-undangan, Kemenhumdanham, Jakarta.

Menteri ESDM, 2017, ***Peraturan Menteri ESDM Nomor 44 Tahun 2017 tentang Perubahan Tata Cara Penetapan Harga Patokan Penjualan Mineral Logam Dan Batubara***, Direktur Jenderal Peraturan Perundang-undangan, Kemenhumdanham, Jakarta.

Miller, B.G., 2005, ***Coal Energy Systems***, Elsevier Academic Press, 526 pp

Moss, S.J, Chambers, J., Cloke, I., Satria, D., Ali, J.R., Baker, S., Milsom, J., and Carter, A., 1997., ***New Observations on The Sedimentary and Tectonic Evolution of the Tertiary Kutai Basin, East Kalimantan***, Petroleum Geology of Southeast Asia, Geological Society Special Publication No. 126, p.395-416.

Moss, S.J and Chambers, J.L.C., 1999, ***Depositional Modelling and Facies Architecture of Rift and Inversion in The Kutai Basin, Kalimantan, Indonesi***a. Indonesian Petroleum Association, Proceedings 27th Annual Convention, p.459-486.

Mc Clay, K., Dooley, T., Ferguson, A and Poblet, J., 2000., ***Tectonic Evolution of The Sanga-Sanga Block, Mahakam Delta, Kalimantan, Indonesia***, AAPG Bulletin Vol.84 no.6, p.765-786.

Nas, C and Hindartan., 2010, ***The Quality of Central Kalimantan Coking Coals***, Kalimantan Coal and Mineral Resources, Proceeding MGEI-IAGI, p. 1-11

Nas, C., 2016, ***Batubara Kokas Indonesia: Semua Pihak Harus Mengakuinya***, Web. Juni 2017, https://www.mail-archive.com/iagi-net@iagi.or.id/msg46317.html , 1 pp

Niekerk, D.V., Pugmire, R.J., Solum, M.S., Painter, P.C and Mathews, J.P., 2008, ***Structural Characterization of Vitrinite-Rich and Inertinite-Rich Permian-Aged South African Bituminous Coals***, International Journal of Coal Geology, 76, p. 290–300

Nikolaos, K., Colin, R.W., Dimitra, P and Zhongsheng, L., 2009, ***Quantitative Evolution of minerals in Lignites and Intraseam Sediments from The Achlada Basin, Northern Greece***, Energy and Fuels, Vol. 23, p. 2169-2171.

Nining, S.N., huda, M dan Suganal., 2015, ***The use of Additive using Low Rank Coal for Metallurgical Coke Making***,Jurnal Teknologi Mineral dan Batubara, Vol. 11, p. 199-207.

Nomura, S, Naito, M and Yamaguchi, K., 2007, ***Post-reaction strength of catalyst-added highly reactive coke***, ISIJ International, Vol. 93 p.9-17.

Reid, M.H, Mahoney, M.R and Monaghan, B.J., 2011, ***A Coke Analogue for the Study of the Effects of Minerals on Coke Reactivity***, ISIJ International, Vol. 83 p.628-633.

Orrego, J.A., Hern´andez, R.C and Mej´ıa-Ospino, E., 2010, ***Structural Study of Colombian Coal by Fourier Transform Infrared Spectroscopy Coupled to Attenuated Total Reflectance (FTIR-ATR)***, Revista Mexicana De Fi´Sica 56 (3), p. 251–254.

Petersen, H.I and Nytoft, H.P., 2006, ***Oil generation capacity of coals as a function of coal age and aliphatic structure***, Organic Geochemistry Vol. 37, p.558–583.

Renton, J.J., 1982, ***Mineral matter in Coal***, Coal Structure, ed. Meyer RA, Academic Press, p. 283-324.

Rollinson, H.R., 1995, ***Using Geochimical Data : Evaluation, Presentation, Interpretation,*** Logman Group, 351 pp.

Ruiz, S and Crelling, J.C., 2008, ***Applied Coal Petrology : The Role of Coal Petrology In Coal Utilization***, 388 pp.

Satyana, A.H., Nugroho, D., Surantoko, I, 1999, ***Tectonic Controls on The Hydrocarbon Habitats of The Barito, Kutai and Tarakan Basin, Eastern Kalimantan, Indonesia; Major Dissimilarities***. Journal of Asian Earth Sciences Special Issue Vol. 17, No. 1-2, p. 99-120.

Santoso, S., 2014, ***Panduan Lengkap SPSS 20 (Edisi Revisi),*** Elex Media Komputindo, Jakarta, 464 pp.

Sarwono, J., 2012, ***Metode Riset Skripsi Pendekatan Kuantitatif Menggunakan Prosedur SPSS (Edisi Revisi),*** Elex Media Komputindo, Jakarta, 272 pp.

Situmorang, B, J, A., 2012, ***Potensi Batubara Daerah Long Bagun Kabupaten Kutai Barat, Kaltim,*** Jurnal Ilmiah MATG, UPN, Vol. 5, p. 1-11.

Shin, S.M, Park, J.K and Jung, S.M., 2015, ***Changes of Aromatic CH and Aliphatic CH in In-situ FT-IR Spectra of Bituminous Coals in the Thermoplastic Range***, ISIJ International, Vol. 55 p.1591-1598.

Sriwidodo., Wofgang, O., Achim, B., Reinhard, F.S., Komang, A and Wilhelm, P., 2010, ***Distribution of sulfur and pyrite in coal seams from Kutai Basin (East Kalimantan, Indonesia): Implications for paleoenvironmental conditions***, International Journal of Coal Geology, Vol. 81, p.151-162

Sakurovs, R, French, D and Grigore, M., 2007, ***Quantification of mineral matter in commercial cokes and their parent coals***, International Journal of Coal Geology, Vol. 72, p.81-88

Speight, J.G., 2005, ***Handbook of Coal Analisys***, John Wiley & Sons. Inc. Publication, 238 pp.

Speight, J.G., 2013, ***The Chemistry and Technology of Coal 3th edition***, CRC Press., 807 pp.

Spiro, C.L., 1981, ***Space-Filling Models For Coals: Molecular Description Of Coal Plasticity***, Fuel Vol. 60, p. 1121-1126.

Spiro, C.L and Kosky, P.G., 1982, ***Space-Filling for Coal.2 Extension to coals of various ranks*** , Fuel Vol. 61, p. 1080-1084.

Skoog, D.A, Holler, F.J and Crouch, S.R., 2010, ***Priciples of Instrumental Analysis, 6th edition***, Thomson Higher Education, 10 Davis Drive, Belmont, CA, USA, 1039p.

SMG Consultants., 2011, ***Indonesia – Exploring its Potential***, Coking Coal and Met Coke Forum, Singapore, 41 pp.

Stach, E., Mackowsky, M.T.H., Teichmuller, M., Taylor, G.H., Chandra, D and Teichmuller, R., 1982, ***Stach's Textbook of Coal Petrology***. Gebruder Borntraeger, Berlin, Stuttgart, 407 pp.

Sýkorová, I., W. Pickel, W., Christanis, K., Wolf, M., Taylor, G. H and Flores, D., 2005, ***Classification of huminite—ICCP System 1994***, International Journal of Coal Geology, Vol.62, p. 85-106.

Supriatna, Sudrajat dan H.Z. Abidin., 1995, ***Peta Regional Lembar Muaratewe, Kalimantan***, Badan Geologi, Pusat sumber Daya Geologi, Kementerian Energi dan Sumber Daya Mineral, 1 p.

Suryanegara, Y, Isnaniawardhani, V, Sunardi, E.. 2109, ***Karakteristik dan lingkungan pengendapan batubara Eosen Formasi Batu Ayau Cekungan Kutei atas bagian barat di daerah Murung Raya dan sekitarnya, Kalimantan Tengah,*** Bulletin of Scientific Contribution: GEOLOGY, Vol.17, p.37-59.

Taylor, G.H, Teichmüller, M., Davis, A., Diessel, C.F.K., Littke, R and Robert, P., 1998, ***Organic Petrology***, Gebruder Borntraeger, Berlin, 704 pp.

Teichmuller, M., 1989, ***The Genesis of Coal From The Viewpoint of Coal Petrology***, International Journal of Coal Geology, Vol. 12, p.1-87

Thomas, L., 2013, ***Coal Geology***, 2nd Ed, Wiley-Blackwell, *John Wiley & Sons*, Ltd, 444 pp.

Vega, M.F, Fernandes, A.M, Diaz-Faes, E and Barriocanal, C., 2016, ***Imrpoving The Properties Of High Volatile Coking Coal by Controlled Mild Oxidation***, Fuel Vol. 191, p. 574-582.

Vogt, D., 2000, ***Coke strength after reaction, signification regarding with various operation and various cokes.***, Ironmaking conference proceedings Vol. 59, p. 47–54.

Wang, Q, Guo, R, Zhao, X, Sun, J, Zhang, S and Liu, W., 2016, ***A new testing and evaluating method of cokes with greatly varied CRI and CSR***, Fuel, Vol. 182 p.1-7.

Ward, C.R., 1986, ***Review of Mineral Matter in Coal***, Australian Coal Geology, Geol. Society of Australia, Vol.6 *p*.87-107.

Ward, C.R., D.A, Spears., Carol, A.B., Ian, S and Lila, W.G., 1999, ***Mineral Matter and Trace Element in Coal Of The Gunnedah Basin New South Wales Australia***, International Journal of Coal Geology, Vol.40, *p. 281*-308.

Ward, C.R., 2002, ***Analysis and Significance of Mineral Matter in Coal Seam***, International Journal of Coal Geology, Vol.50, p. 135-168.

Xiang, L, Ahi-Hong, Q, Liang-hui, B, Zhuang, Y and Chen-yang, S., 2016, ***Structural analysis of functional group and mechanism investigation of caking property of coking coal***, Fuell, Vol.44, April, p. 385-593.

Yossifova, M. G., 2007, ***Mineral and inorganic chemical composition of the Pernik coal, Bulgaria***. International Journal of Coal Geology, 72(3-4), p. 268–292.

Yunapritta, H., 2018, ***Adaro Energy ingin pasok semua kebutuhan kokas domestik***, Web. 29 April 2018, https://investasi.kontan.co.id, 1 pp

Yustanti, E., 2012, ***Pencampuran Batubara Coking Dengan Batubara Lignite Hasil Karbonisasi Sebagai Bahan Pembuatan Kokas***, Jurnal Teknologi Pengelolaan Limbah, Vol. 15, Pusat Teknologi Limbah Radioaktif, p.15-30.

Zhang, Q, Wu, X, Feng, A and Shi, M., 2004, ***Prediction of coke quality at Baosteel***, Fuel Processing Technology, Vol. 86 p.1-11.

Životić, D., Wehner, H., Cvetković, O., Jovančićević, B., Gržetić, I., Scheeder, G., Vidal, A., Šajnović, A., Ercegovac, M and Simić, V., 2008, ***Petrological, Organic Geochemical and Geochemical Characteristics of Coal from the Soko Mine Serbia***, International Journal of Coal Geology, 73, p. 285–306.