DAFTAR PUSTAKA

Aliyev, A., 2015, *Mud volcanoes - a unique phenomenon of nature*. Azerbaijan: Winter Journal.

Agayev, T., Kucukuysal, C., 2017, *Ceramic properties of Uşak Clay in comparison with Ukrainian Clay*. Mugla Sıtkı Kocman University, Faculty of Engineering, Department of Geological Engineering, Kotekli.

Arbianto, R., Susilo, B., Surjandari, N.S., 2016, Studi Korelasi Indeks Plastisitas dan Batas Susut Terhadap Perilaku Mengembang Tanah. Ejurnal Kajian Teknik Sipil Vol.1 No.2 Universitas 17 Agustus 1945 Jakarta.

ASTM D4318., 1992, *Test Method for Liquid Limit, Plastic Limit and Plasticity Index of soil*, Anual Book of ASTM Standars, section 4, Volume 04.08 Easten MD.USA.

Atterberg, A., 1911, *uber die Physikalise Bodenuntersuchung und uber die plastizitatder Tone*, Int. Mitt. Boden, Vol.1.

Badan Standardisasi Nasional, 2011, Cara Uji Konsolidasi Tanah Satu Dimensi.

Bergaya, F., Theng, B.K., Lagaly, G., 2006, *Handbook of Clay Sciences*. Amsterdam: Devel in Clay Science.

Budnikov, P. P., 1964, *The Technology of Ceramics and Refractories*. Edward Arnold Publishers Ltd., London.

Burhannudinnur, M., Noeradi, D., Sapiie, B., Abdassah, D., 2012, Karakter *Mud Volcano* Di Jawa Timur. Proceedings PIT IAGI Yogyakarta 2012 The 41st IAGI Annual Convention and Exhibition.

Bronto, S., Asmoro, P., Efendi, M., 2017, Gunung Api Lumpur di Daerah Cengklik dan Sekitarnya, Kabupaten Boyolali Provinsi Jawa Tengah. Pusat Survei Geologi : Jurnal Geologi dan Sumberdaya Mineral.

Bowles, J.E., 2012, *Engineering Properties of Soils and their Measurements, 4th edition*, McGraw Hill Education (India) Private Limited, New Delhi.

Chen, F.H., 1975, *Foundation on Expansive Soils*, Elsevier Scientific Publishing Company, New York.

Chen, F.H., 1977, *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. The State of Indiana Bloomington, Indiana.

Christidis, G.E., 2011, *Industrial Clays*. European Mineralogical Union Notes in Mineralogy.

Cooper, C. L., Marshall, J., 1978, *Occupational Sources of Stress: A Review of The Literature Relating Tocoronary Heart Disease and Mental ill Health*. Journal of Occuptional Psychology.

Datun, M., Sukandarrumidi, Hermanto, B., dan Suwarna, N.,1996, Peta Geologi Lembar Ngawi, Jawa. Pusat Penelitian dan Pengembangan Geologi, Bandung.

De Genevraye, P. dan Samuel., 1972, *Geology of The Kendeng Zone (Central &East Java).Proceedings of the Indonesian Petroleum Association 1st Annual Convention and Exhibition*.

Dimitrov, L.I., 2002, *Mud volcanoes: the most important pathway for degassing deeply buried sediments.* Earth Science Reviews 59 (1–4), 49–76.

Fang, H Y., Tuncan, M., Pamukcu, S., 1990, *Influence of some environmental activities on physical and mechanical behaviour of clays*. In: Physico-Chemical Aspects of Soil and Related Materials (Papers to a Symposium Presented at St Louis, 29 June 1989)P91–107. Publ Philadelphia

Fauzi P.A., 2015, Pembuatan Model Fisis Letusan Gunung Lumpur Bledug Kuwu dan Pemodelan Numerik untuk Mengetahui Kecepatan Perambatan Gelombang Seismiknya. Thesis. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Gadjah Mada.

Feyzullayev, A., 2012, Mud Volcanoes In The South Caspian Basin: Nature And Estimated Depth Of Its Products. Natural Science Journal Vol.4, No.7, 445-453.

Francois, B., Laloui, L., 2010, *An Oedometer for Studying Combined Effects of Temperature and Suction on Soils*. Geotechnical Testing Journal, Vol. 33, No. 2.

Galindo, L., Viseras, C., Aguzzi, C., Cerezo, P., 2007, *Pharmaceutical and Cosmetic Uses of Fibrous Clays In Developments in Clay Science*; Elsevier: Oxford, UK, pp. 299–324.

Giwangkara, E.G., 2006, Mud Volkano Kuwu (Bledug Kuwu). https://persembahanku.wordpress.com/2006/10/01/mud-volkano. (diakses Oktober 2019).

Goldberg, S., Forster, H.S., Heick, E.L., 1991, *Clays and Clay Mineral*. The Clay Mineral Society. 39: 375.

Grim and Ralph., 1953, *Clay Mineralogy*. New York : McGraw-Hill Book Company. Inc.

Guliyev, I.S., Feizullayev, A.A., Belov, I.S., 2000, *All about mud volcanoes*. Geology Institute, Azerbaijan Academy of Sciences, Baku, Azerbaijan.

Gushit, J. S., Olotu, P. N., Maikudi, S. and Gyang, J. D., 2010, *Overview of the availability and utilization of kaolin as a potential raw material in chemicals and drug formulation in Nigeria. Continental Journal of Sustainable Development* 1: 17 – 22.

Hardiyatmo H.C, 2002, Mekanika Tanah I, Gadjah Mada University Press, Yogyakarta.

Haridjadja, O., 1980, Pengantar Fisika Tanah. Bogor: Staf Dept Ilmu Tanah IPB.

Hardjowigeno, S. 1995, Kesesuaian Lahan untuk Pengembangan Pertanian Daerah Rekreasi dan Bangunan. Lembaga Pengabdian Kepada Masyarakat. IPB. Bogor.

Henley, R., 1985, *The geothermal framework for epithermal deposits*. Rev. Econ. Geol., 2, 1–24.

Hillel, D., 1982, *Introduction to Soil Physics*. Academic Press., Inc. San Diego, California.

Holtz, D.R. and Kovacs, D.W.,1981, *An Introduction to Geotechnical Engineering*. Prentice-Hall, Inc.

Husein, S., Titisari, A.D., Freski, Y.R., Utama, P.P., 2016, Buku Panduan Ekskursi Geologi Regional 2016, Departemen Teknik Geologi Fakultas Teknik Universitas Gadjah Mada.

Ibrahim, G., Subardjo., Sendjaja, P., 2010, Tektonik dan Mineral di Indonesia. Pusat Penelitian dan Pengembangan, Jakarta: Badan Meteorologi Klimatologi dan Geofisika.

Indriana, D.R., Nurwidyanto, M.I., Haryono, K.W., 2007, Interpretasi Bawah Permukaan Dengan Metode *Self Potential* Daerah Bledug Kuwu Kradenan Grobogan. Laboratorium Geofisika, Jurusan Fisika, Universitas Diponegoro.

Ingerson, E., 1960, *Clays And Clay Minerals Volume 9 Proceedings Of The Ninth National Conference On Clays And Clay Minerals*. Lafayette, Indiana : Committee on Clay Minerals of the National Academy of Sciences National Research Council Purdue University.

Keller, W. D., 1970, *Environmental aspects of clay minerals*, J. Sediment. Petrol., 40(3), 788 – 854.

Kogel, J.E., Trivedi, J., Barker, S.T., Krukowski., 2006, *Industrial Minerals & Rocks, 7th Edition*. Colorado: SME, Inc. P. 1648.

Lambe, T.W., Whitman, R.V., 1979, *Soil Mechanics, SI Version*, John Wiley and Sons , Inc., New York.

Lopez, G.A., Viseras, C., Cerezo, P., 2006, *Compositional, Technical and Safety Specifications of Clays to be used as Pharmaceutical and cosmetic products*, Jurnal Applied Science 36 (2007) 51-6.

Mackenzie, R.C., 1959, *The Classification and Nomenclature of Clay Minerals. The Macaulay Institute for Soil Research*, Craigiebuckler, Aberdeen.

Meunier, A., 2003, *Clays*. Springer Berlin Heidelberg New York.

Milkov, A.V., 2003, *Global distribution of mud volcanoes and their significance as an indicator of active petroleum systems, a source of methane in the atmosphere and ocean, and a geohazard, Advanced Research Workshop "Mud Volcanism, Geodynamics, and Seismicity*, May 20-22, 2, Baku, Azerbaijan.

Moore, D. M., Reynolds., 1997, *X-Ray Diffraction and the Identification and Analysis of Clay Minerals*, 2nd Edition. Oxford.

Murray, H.H., 2007, *Applied Clay Mineralogy*. Amsterdam: Elsevier Science Publisher.

Norton, F.H.,1970, *Fine Ceramics Technology and Applications*. McGraw Hill Book Company, New York.

Novian, M.I., Utama, P.P., Husein, S., 2013, Penentuan Batuan Sumber Gunung Lumpur di Sekitar Purwodadi Berdasarkan Kandungan Fosil Foraminifera. Prosiding Seminar Nasional Kebumian ke-6, Jurusan Teknik Geologi FT UGM, Yogyakarta, pp. 519-534.

Rahardjo, H., Aung, K.K., Leong, E.C., Rezaur, R.B., 2004, *Characteristic of Residual Soils in Singapore as Formed by Weathering, Engineering Geology* 73, 157-169.

Rakhman., 2014, Karakteristik Sifat Fisik Kembang Susut Lumpur Sidoarjo Dan Implikasinya Terhadap Potensi Bencana Amblesan Berikut Mitigasinya Di Kecamatan Porong Dan Sekitarnya, Kabupaten Sidoarjo, Propinsi Jawa Timur. Prosiding Seminar Nasional Aplikasi Sains & Teknologi (SNAST) Periode Yogyakarta.

Riyanto, A., 1994, Bentonit : Bahan Galian Industri, Direktorat Jendral Pertambangan Umum, PPPTM, Bandung.

Sabdaningsih., 2018, Mitologi Dan Sains: Bledug Kuwu Di Kabupaten Grobogan. Departemen Sumberdaya Akuatik, Universitas Diponegoro.

Salam, A., 2017, Identifikasi Sifat Lumpur Sidoarjo dan Potensi Pemanfaatannya. Departemen Ilmu Tanah Dan Sumberdaya Lahan Fakultas Pertanian Institut Pertanian Bogor.

Sarapaa, O., 2008, *Clay and clay mineralogy, Physical – Chemical Properties And Industrial Uses.* Geological Survey of Finland.

Seed, H. B., Woodward, R. J., Lundgren, R.,1962, *Prediction of swelling potential for compacted clays: J. ASCE,* Soil Mechanics and Foundation Division, 88, No. SM-3, Part I, 53-87.

Silva, E.A., Cossich, E.S., Tavares, C.G., Cardozo Filho, L., 2003, *Biosorption of Binary Mixtures of Cr(III) and Cu(II) ions by Sargassum sp*. Braz. J. Chem. Eng., 20(3).

Singer F., Singer S.S., 1984, *Industrial Ceramics*. Chapman and Hall Ltd, London

Siregar, S., 2016, Analisis dan Pemanfaatan Unsur Belerang dan Salinitas Lumpur Bledug Kuwu di Desa Kuwu, Kecamatan Kradenan, Kabupaten Grobongan, Jawa Tengah. POSITRON, Vol. VI, No. 1 (2016), Hal. 40 – 42.

Sparks D.L., 2003, *Environmental Soil Chemistry, 2nd edition*. Academic Press, Amsterdam

Sudarsono., U dan Sujarwo, I.B., 2008, Aspek Geologi Teknik Lumpur Sidoarjo Jawa Timur. Diunduh pada tanggal 01 Oktober 2019 dari situs http://pag.bgl.esdm.go.id/?q=content/aspek-geologiteknik-lumur-sidoarjo jawa-timur pada Buletin Badan Geologi, Vol. 18. No.1. April 2008. Hal 1 – 14. Bandung: Badan Geologi Kementerian ESDM.

Sumner, M.E., Miller, W.P., 1996, *Cation exchange capacity andexchange coefficients. Methods of soil analysis. Part 3: Chemicalmethods, D. L. Sparks, ed*., Soil Science Society of America, Madison,WI.

Tan, K.H., 1982, *Principles of Soil Chemistry*. Terjemahan: Goenadi, D.H. dan Radjagukguk, B. Dasar-Dasar Kimia Tanah. Gadjah Mada University Press, Yogyakarta.

Utama, P.P., 2016, Skripsi : Implikasi Karakteristik Material Penyusun Dan Nilai Viskositas Lumpur Pada Pembentukan Morfologi Gunung Lumpur Kesongo Di Kabupaten Blora, Provinsi Jawa Tengah. Departemen Teknik Geologi, Universitas Gadjah Mada : Yogyakarta.

Van Bemmelen, R.W., 1949, *The Geology of Indonesia: General Geology of Indonesia and Adjacent Archipelagoes*. The Hague, Batavia: Government Printing: Batavia.

Velde, B., 1985, *Clay Minerals A Physico-Chemical Explanation of Their Occurence*. New York: Elsevier Science Publisher.

Weaver, C.E., Pollard, L.D., 1973, *The Chemistry of Clay Minerals*. New York: Elsevier Science Publisher.

Wicaksono, D.D., Setiawan, N.I., Wilopo, W., Harijoko, A, 2017, Teknik Preparasi Sampel Dalam Analisis Mineralogi Dengan XRD (*X-Ray Diffraction*) di Departemen Teknik Geologi, Fakultas Teknik, Universitas Gadjah Mada. Yogyakarta.

Wijaya, K., Sugiharto, E., Mudasir, T.I., Liawati, I., 2004, *Synthesis of Iron Oxide Montmorillonite Composite and Study of Its Structural Stability Againts Sulfuric Acid*, Indonesia Jurnal of Chemistry, 32-42.

Winarno, T., 2016, Perbandingan Karakteristik Lempung Kasongan dan Godean Sebahan Bahan Baku Industri Gerabah Kasongan . Teknik .Vol.73(1).

Yassir, N.A., 1989, *Mud Volcanoes And The Behaviour Of Overpressured Clays And Silts*. Department of Geological Sciences, University College London, GowerSt. London WC1E 6BT,U.K.

Zainudin, A., Badri, I., Padmawijaya, T., Humaida, H., dan Sutaningsih, E. 2010, Fenomena Geologi Semburan Lumpur Sidoarjo, Badan Geologi, Kementerian Energi dan Sumber daya Mineral, Bandung.

Zhao, Y., Zou, X., Gao, J., Wang, C., Li, Y., Yao, Y., Zhao, W., Xu, M., 2018, *Clay Mineralogy And Source-To-Sink Transport Processes Of Changjiang River Sediments In The Estuarine And Inner Shelf Areas Of The East China Sea*. Journal of Asian Earth Sciences 152 (2018) 91–102.

Zoporowski, A., Miller, S.A., 2009, *Modelling Eruption Cycles And Decay of Mud Volcanoes*. Marine and Petroleum Geology, page 1879 – 1887.