

DAFTAR PUSTAKA

ASTM C109 / C109M – 02 *Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm]) Cube Specimens*, ASTM International, West Conshohocken, PA.

ASTM C187 - 98 *Standard Test Methods for Normal Consistency of Hydraulic Cement*, ASTM International, West Conshohocken, PA.

ASTM C191 – 01a *Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle*, ASTM International, West Conshohocken, PA.

Baker, S., 2000, *Deformation behavior of lime/cement stabilized clay. Thesis for Ph.D, Department of Geotechnical Engineering*, Chalmers University of Technology. Goterberg, Sweden.

Basha, E.A., Hashim, R., dan Muntohar, A.S., 2004, *Stabilization of clay and residual soils using cement-rice husk ash mixtures*, Jurnal Teknik Sipil, Vol. 5 No. 1, 51-66.

Budi, G.S., 2003, *Penyebaran kekuatan dari kolom yang terbuat dari limbah karbit dan kapur*. Jurnal Dimensi Teknik Sipil, Vol. 5 No. 2, hal. 99-102.

Cook, D.J., 1986, *Rice Husk Ash*. In: Swamy, R.N (Ed), *Concrete Technology and Design Cement Replacement Materials*, Vol.3, Surrey University Press, London, pp. 171-196.

Fujii, S., Shimoda, M., Matsuo, O., and Koseki, J., 1996, *Properties of Microfine Cement Grout and Grouting Tests Using the Simulated Soils*. In: Yonekura, R..Terashi. M., Shibasaki. M. (eds), "Grouting and Deep Mixing", Proceeding of IS-Tokyo'96/The Seconf International Conference on Ground Improvement Geosystems. Tokyo 14 - 17 May 1996, Vol. 1, pp. 31 – 36.

Gallagher, M.P., dan Mithcell, J.K., 2002, *Influence of colloidal silica grout on liquefaction potential and cyclic undrained behavior of loose sand*. Soil Dynamics and Earthquake Engineering, Vol. 22, 1017-1026.

Gallagher, M.P., Pamuk, A., dan Abdoun, T., 2007a, *Stabilization of liquefiable soils using colloidal silica grout*. Journal of Materials in Civil Engineering, Vol. 19 (1),33-40.

Gallagher, M.P., Conlee, T.C., dan and Kyle M. Rollins, M.K., 2007b, *Full-Scale Field Testing of Colloidal Silica Grouting for Mitigation of Liquefaction Potential of Geotechnical and Geoenvironmental*

- Engineering, Vol. 133 (2), 186-196.
- Hardiyatmo, H.C., 1994, *Mekanika Tanah 2*, Gramedia Pustaka Utama, Jakarta.
- Hardiyatmo, H.C., 2006, *Teknik Fondasi 2*, Cetakan ke Tiga, Beta Offset, Yogyakarta.
- Hartono, E., 2009, *Campuran Abu Sampah Organik dan Limbah Karbit Sebagai Pengganti Semen Pada Mortar*, UMY, Yogyakarta.
- Houston, D.F., (1972), *Rice Chemistry and Technology*, American Association of Cereal Chemist, Inc. Minnesota.
- (<http://www.bps.go.id/sector/agri/pangan/tablel.shtml>)
- Kempfert, H.G., 2003, *Ground improvement methods with special emphasis on column-type techniques*, In Vermeer, Schwiger, and Cudny (Eds.), Proceeding of International Workshop on Geotechnics of Soft Soil: Theory and Practice, Netherlands, Verlag Gliickauf, 101-112.
- Krishnaswamy N, R., Rajagopal, K., dan Madhavi Latha, G., 2000, *Model Studies on Geocell Supported Embankments Constructed Over a Soft Clay Foundation*, Geotechnical Testing Journal, GTJODJ, Vol. 23, No. 1, 45-54.
- Liao, H.J., Huang, C.C., dan Chao, B.S., 2003, *Liquefaction Resistance of a Colloid Silica Grouted Sand*. Proceeding 3rd International Specialty Conference on Grouting and Ground Treatment, New Orleans, Louisiana, USA, 10-12 February 2003, 1305-1313.
- Martin. J.R., Olgun, C.G., dan Mitchell, J.K., 2004, *High-modulus columns for liquefaction mitigation*. Journal of Geotechnical and Geoenvironmental Engineering, Vol. 130 (6), 561-571.
- Mitchell, J.K., and Huber, T.R., 1985, *Performance of a Stone Column Foundation*, Journal of Geotechnical Engineering, ASCE, Vol. 111, No. 2, pp. 205 - 223.
- Muntohar, A.S., 1999, *Abu sekam padi untuk stabilisasi tanah lempung (Stabilization of clay soil with rice husk ash)*, Jurnal Wahana Teknik, Vol. 1, No. 2, Agustus 1999, pp. 1-10.
- Muntohar, A.S., & Hashim, R., 2002, *Silica waste utilization in ground improvement: A study of expansive soil treated with LRHA*, The 4th International Conference on Environmental Geotechnics (4ICEG), 11-15 August 2002, Rio de Janeiro, Brazil.

- Muntohar, A.S., 2002, *Utilization of uncontrolled-burnt of rice husk ash in soil improvement*. Jurnal Dirnensi Teknik Sipil. Vol. 4 No. 2, 100-105.
- Muntohar, A.S., 2003, *Lime-column in expansive soil: A study on the compressive strength*, Makalah Disajikan, International Conference on Civil Engineering, 1-3 October 2003, Malang, East Java.
- Muntohar, A.S., 2005a, *The influence of molding water content and lime content on the strength of stabilized soil with lime and rice husk ash*. Jurnal Dimensi Teknik Sipil, Vol. 7(1), 1-5.
- Muntohar, A.S., 2005b, *Geotechnical properties of rice husk ash enhanced limestabilized expansive clay*. Jurnal Media Komunikasi Teknik Sipil, Vol. 13 No. 3, 1-11.
- Muntohar, A.S., and Liao, H.J., 2006, *Strength distribution of the soil surrounding lime-column*, In Chan, D., and Law, K.T. (Eds.) : Proceeding 4th International Conference on Soft Soil Engineering, 2-6 October 2006, Vancouver, Canada, 315-319.
- Muntohar, A.S., Muhammad, A., Damanhuri, dan Dinor, S., 2008b, *Karakteristik kuat dukung tanah berpasir di sekitar kolom-kapur (lime-column)*. Naskah disajikan pada Seminar Nasional Sains dan Teknologi ke-2. Universitas Lampung, 17 - 18 November 2008.
- Porbaha, A., Zen, K., and Kobayashi, M., 1999, *Deep mixing technology for liquefaction mitigation*, Journal of Infrastructure Systems, Vol. 5 No. 1, 2134.
- Rogers, C.D.F., dan Glendinning, S., 1997, *Improvement of clay soils in situ using lime piles in UK*, Engineering Geology, Vol. 47, 243-257.
- Rogers, C.D.F., dan Glendinning, S., 2002, *Lime requirement for stabilization*, Transportation Research Record No. 1721, Paper No. 00-0604, National Research Council, pp. 9-18.
- Sano, M., Shimoda, M., Matsuo, O., and Koseki, J., 1996, *Microfine Cement Grouting as Countermeasure Against Liquefaction*. In : Yonekure, R., Terashi, M., Shibasaki, M. (eds), *Grouting and Deep Mixing*, Proceeding of IS-Tokyo '96/The Second International Conference on Ground Improvement Geosystems, Tokyo 14 – 17 May 1996, Vol. 1. pp. 65 – 70.
- Saraswati, D., 2009, *Uji Kuat Dukung Fondasi di Atas Tanah Lempong dengan Pengaruh Variasi Konsentrasi dan Penambahan Air*. Skripsi. Teknik Sipil, Fakultas Teknik, Universitas Islam Negeri Sultan Syarif Kasim, Padang.

- Seed, R.B., Cetin, K.O., Moss, R.F.S., Kammerer, A.M.. Wu, J., Pestana, I.M., and Riemer, M.T.. 2001. *Recent advances in soil liquefaction engineering and seismic site response evaluation*. Proceeding 47th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamic, 26-31 March 2001, San Diego, California, USA, 1 - 45.
- Sihotang, Abinhot, dan Hazairin, 2002, *Pemanfaatan kapur dan pozolan baku utama pembuatan semen hidraulis*. Bandung.
- Tohari, Adrian., 2007, *Penelitian Geoteknologi yang Mengkaji Likuifaksi dan Sumber Daya Air di Pesisir Selatan Cilacap*, Puslit, LIPI, Jawa Tengah.
- Tonoz, M.C., Gokceoglu, C., dan Ulusay, R., 2003, *A laboratory-scale experimental investigation on the performance of lime in expansive Ankara (Turkey) clay*, Bulletin Engineering Geology & Environmental, Vol. 62, 91-106.
- Tsai, K.W., Chou, C. K., Chang, J. C., dan Wang, W.H., 1993, *Jet grouting to reduce liquefaction potential*. In Prakash, S. (Ed.): Proceeding. Third International Conference on Case Histories in Geotechnical Engineering, St. Louis, Missouri, 1-4 June 1993, Vol. 1, 609-611.
- Zhang, M.H., Lastra, R., and Malhotra, V.M., 1996, *Rice husk ash paste and concrete: Some aspects of hydration and the microstructure of the interfacial zone between the aggregate and paste*. Cement and Concrete Research, Vol. 26 (6), 963 - 977.
- Zhou, C., Yin, J.H., dan Ming, J.P., 2002, *Bearing capacity and settlement of weak fly ash ground improved using lime-fly ash or stone columns*, Canadian Geotechnical Journal, Vol. 39, 585-596.