

บรรณานุกรม

- กิตติเทพ เฟื่องขจร (2550) การออกแบบความลาดเชิงมวลหินในประเทศไทยให้มีเสถียรภาพในระยะยาว โดยเพิ่มการพิจารณาการผุกร่อนของมวลหิน, รายงานการวิจัย SUT7-719-49-24-50, มหาวิทยาลัยเทคโนโลยีสุรนารี
- Abramson, L. W., Thomas, S. L., Sunil, S., and Glenn, M. (1997). Slope stability and stabilization methods. *Engineering Structures*. 19: 93-94.
- Aristizábal, E., Roser, B., and Yokota, S. (2005). Tropical chemical weathering of hillslope deposits and bedrock source in the Aburrá valley, northern colombian andes. *Engineering Geology*. 81(4): 389-406.
- ASTM C127-04. Standard test method for density, relative density (specific gravity), and absorption of coarse aggregate. *Annual Book of ASTM Standards* (Vol. 04.02). Philadelphia: American Society for Testing and Materials.
- ASTM D4644-87. Standard Test Method for Slake durability of shale and similar weak rocks. *Annual Book of ASTM Standards* (Vol. 04.08). Philadelphia: American Society for Testing and Materials.
- ASTM D7012-04. Standard test method for compressive strength and elastic modulus of intact rock core specimens under varying states of stress and temperatures. *Annual Book of ASTM Standards* (Vol. 04.08). Philadelphia: American Society for Testing and Materials.
- Barbour, T. G., Atkinson, R. H., and Ko, H. Y. (1979). Relationship of mechanical index and mineralogical properties of coal measure rock. In *Proceeding of the 20th Symp. Rock Mechanics* (pp. 189-198). Austin, Texas.
- Begonha, A. and Braga, M. A. S. (2002). Weathering of the Oporto granite: geotechnical and physical properties. *Catena*. 49: 57-76.
- Bell, F. G. (1978). The physical and mechanical properties of the fell sandstones northumberland, england. *Eng. Geol.* 12: 1-29.
- Bell, F. G. (1992). *Engineering in Rock Masses*. London: Butterworth-Heinemann Ltd.
- Brace, W. F. (1961). Dependence of fracture strength of rocks on grain size. In *Proceeding of the 4th Symp. Rock Mechanics*. (pp. 99-103). University Park.

- Brown, E. T. (1981). **Rock characterization testing and monitoring ISRM suggested methods**. New York: Pergamon Press.
- Deere, D. U. and Miller, R.P. (1966). **Engineering Classification and Index Properties for Intact Rock**. Urbana: Department of Civil Engineering, University of Illinois. pp. 90–101.
- Dhakal, G., Yoneda, T., Kata, Y., and Kaneko, K. (2002). Slake durability and mineralogical properties of some pyroclastic and sedimentary rocks. **Engineering Geology**. 65 (1): 31–45.
- Dobereni, L. and DeFreitas, M. H. (1986). Geotechnical properties of weak sandstones. **Geotechnique**. 36 (1): 79–94.
- Domenico, P. A. and Schwartz, F. W. (1990). **Physical and Chemical Hydrogeology**. Wiley, J. and Sons. New York (pp.824).
- Dube, A. K. and Singh, B. (1972). Effect of humidity on tensile strength of sandstone. **Journal of Mines Metals and Fuel**. 20 (1): 8–10.
- Fahy, M. P. and Guccione, M. J. (1979). Estimating strength of sandstone using petrographic thin-section data. **Bull. Assoc. Eng. Geo.** 16: 467–485.
- Fuenkajorn, K. (2008). Prediction of long-term strength of some weak rock in Thailand. In **Proceeding of the 1st Southern Hemisphere International Rock Mechanics Symposium**. Perth, Australia.
- Gunsallus, K. L. and Kulhawy, F. H. (1984). A comparative evaluation of rock strength measures. **Int. J. Rock Mech. Min. Sci.** 21: 233–248.
- Handlin, J. and Hager, R. V. (1957). Experimental deformation of sedimentary rock under a confining pressure. **J. Am. Assoc. Pet. Geol.** 41: 1–50.
- Hoek, E., and Brown, J. W. (1980). Empirical strength criterion for rock masses. **J. Geotechnical Engineering**. 106: 1013–1035.
- Horn, H. M. and Deere, D. U. (1962). Frictional characteristics of minerals. **Geotechnique**. 12: 319–335.
- Jaeger, J. C., Cook, N. G. W., and Zimmerman, R. W. (2007). **Fundamentals of Rock Mechanics**. Fourth Edition. Oxford: Blackwell Publishing:

- Kjaernsli, B, and Sande, A. (1966). **Compressibility of some coarse grained material**. Norwegian Geotechnical Institute Report (pp.245–251).
- Koncagul, E. C. and Santi, P. M. (1999). Predicting the unconfined compressive strength of the Breathitt shale using slake durability shore hardness and rock structural properties. **Int. J. Rock Mechanics and Min. Sci.** 36 (2):139–153.
- Mitchell, J. K. (1993). **Fundamentals of Soil Behavior**. Wiley J. and Sons. New York (pp. 437).
- Moon, V. (1993). Microstructural controls on geomechanical behavior of ignimbrite. **Engineering Geology.** 35: 19–31.
- Moon, V. and Jayawardane, J. (2004). Geomechanical and geochemical changes during early stages of weathering of karamu basalt new zeland. **Engineering Geology.** 74 (1–2): 57–72.
- Moriwaki, Y. and Mitchell. J. K. (1977). The role of dispersion in the slaking of intact clay. **American Society for Testing and Materials** (pp. 287–302).
- Price, N. J. (1960). The compressive strength of coal measure rocks. **Colliery Engineering.** 37 (437): 283–292.
- Santi, P. M., and Koncagul, E. C. (1996). Predicting the mode susceptibility and rate of weathering of shales. **In Design with Residual Materials in Geotechnical and Construction Considerations** (pp. 12–27).
- Shakoor, A. and Bonelli, R. E. (1991). Relationship between petrographic characteristics, Engineering index properties and mechanical properties of selected sandstone. **Bull. Assoc. Eng. Geol.** 21: 233–248.
- Sousa, L. M. O., Suarez del Rio, L.M., and Calleja, L. (2005). Influence of microfractures and porosity on the physico–mechanical properties and weathering of ornamental granites. **Engineering Geology.** 77(1–2): 153–168.
- Sri-in, T. and Fuenkajorn, K. (2007). Slake durability index strength testing of some weak rocks in Thailand. **In Proceeding of the ThaiRock 2007** (pp. 145–159).
- Touloukian, Y. S., Judd, W. R., and Roy, R. F. (1981). **Physical Properties of Rocks and Minerals. Circlas Data Series on Material Properties** (2): 85–91.

- Ulusay, R., and Aksoy, H. (1994). Assessment of the failure mechanism of a highway slope under spoil pile loading at a coal mine. *Eng. Geol.* 38: 117–134.
- Vallejo, L. E., Robinson, M. K., Stewart, M., and Ann, C. (1994). Role of shale pores in settlement. In *Proceedings of the Conference on Vertical and Horizontal Deformations of Foundations and Embankments Part 2* (pp. 1425–1434). University of Pittsburgh.
- Vutukuri, V. S., Lama, R. D., and Saluja S. S. (1974). *Handbook on Mechanical Properties of Rocks*. Vol. 1. Clausthal, Germany: Trans Tech Publications. p. 280.
- Yokota, S. and Iwamatsu, A. (1999). Weathering distribution in a steep slope of soft pyroclastic rocks as an indicator of slope instability. *Engineering Geology.* 55 (1–2): 57–68.