

BIBLIOGRAPHY

Andrade, C., 1993. Calculation of Chloride Diffusion Coefficients in Concrete From Ionic Migration Measurements. *Cement and Concrete Research*, 23(3), pp. 724-742.

Ayano, T. & Sakata, K., 2000. *Durability of concrete with copper slag fine aggregate*. s.l., In: Proceedings of the fifth CANMET/ACI international conference on durability of concrete, SP-192.

Chavan, R. R. & Kulkarni, D. B., 2013. Performance of Copper Slag on Strength Properties as Partial Replacement of Fine Aggregate in Concrete Mix Design. *International Journal of Advanced Engineering Research and Studies*, II(IV), pp. 95-98.

Chiang, S.-C. & Yang, C.-C., 2008. Using Electrical Current to Determine the Non-Steady State Migration Coefficient from Accelerated Chloride Migration Test. *Journal of the Chinese Institute of Engineers*, 31(2), pp. 189-197.

Hisada, M., Otsuki, N., Kiriya, K. & Diola, N., 1998. Influence of Fine and Coarse Aggregates on the Electromigration of Chloride Ion Through Concrete. *Doboku Gakkai Ronbunshu*, 1998(599), pp. 71-80.

Hwang, C. & Laiw, J., 1989. Properties of concrete using copper slag as a substitute for fine aggregate. In : *Proceedings of the 3rd international conference on fly ash, silica fume, slag, and natural pozzolans in concrete*, SP-114-82(p. 1677-95).

Indonesia, Ministry of Energy and Mineral Resources Republic, 2012. *Study of supply demand minerals in Indonesia*, s.l.: Data center and energy information of ESDM Department.

Japan Society of Civil Engineers, 2004. *JSCE-G571-2003 "Test Method for Effective Diffusion Coefficient of Chloride Ion In Concrete by Migration"*. Tokyo: JSCE Concrete Committee.

Japan Society of Civil Engineers, 2010. *JSCE Guidelines for Concrete No. 15 Standard Specification for Concrete Structures - 2007 "Design"*. Tokyo: JSCE 2010 Concrete Committee.

Japan Society of Civil Engineers, 2010. *JSCE Guidelines for Concrete No. 16 Standard Specification for Concrete Structures - 2007 "Materials and Construction"*. Tokyo: JSCE Concrete Committee.

Japanese Standards Association, 2006. *JIS A 1108 - Method of Test for Compressive Strength of Concrete*. 6th Edition ed. Tokyo: Japanese Standards Association.

Kadhafi, M., 2015. Pemanfaatan Copper Slag sebagai Substitusi Semen pada Campuran Beton Mutu K-225. *Jurnal Teknik Sipil dan Lingkungan*, Vol. 3(No. 1), pp. 734-740.

Moura, W., Masuero, A., Dal Molin, D. & Vilela, A., 1999. *Concrete performance with admixtures of electrical steel slag and copper concerning mechanical properties .. s.l., s.n.*, pp. 81-100.

Najimi, M., Sobhani, J. & Pourkhorshidi, A., 2011. Durability of Copper Slag Contained Concrete Exposed to Sulfate Attack. *Construction and Building Materials*, Issue 25, pp. 1895-1905.

Nakamura, E., Satoshi, S. & Watanabe, H., 2013. *Non-Steady State Chloride Migration Test on Mortar with Supplementary Cementitious Materials*. s.l., Third International Conference on Sustainable Construction Materials and Technologies.

Patnaik, B., Sekhar, T. S. & Rao, S., 2014. An Experimental Investigation on Optimum Usage of Copper Slag as Fine Aggregate in Copper Slag Admixed Concrete. *International Journal of Current Engineering and Technology*, 4(No. 5), pp. 3646-3648.

Shi, C., Meyer, C. & Benhood, A., 2008. Utilization of Copper Slag in Cement and Concrete. *Resource, Conservation and Recycling* 52, pp. 1115-1120.

Tang, L. & Sorensen, H., 2001. Precision of the Nordic Test Method for Measuring the Chloride Diffusion/Migration Coefficients of Concrete. *Materials and Structures*, Volume 34, pp. 479-485.

Wu, W., Zhang, W. & Ma, G., 2010. Optimum content of copper slag as a fine aggregate in high strength concrete. *Mater Des*, 31(6)(2878-83).

Zain, M., Islam, M., Radin, S. & Yap, S., 2004. Cement-based solidification for the safe disposal of blasted copper slag. *Cemen and Concrete Composites*, Volume 26, pp. 845-851.