REFERENCES

Abrams, D.A.(1918), Design of concrete structure. Material Research laboratory, Lewis Institute, Chicago, Bulletin 1.25, pp. 284-294.

ACI Committee 1J6R-90 (1994). Cement and Concrete Terminology. ACI Manual of Concrete Practice, Part 1: Materials and General Properties of Concrete, American Concrete Institute, Detroit, Michigan, pp. 68.

ACI Committee 201 (1991). Guide to Durable Concrete. ACI Material Journal, Vol. 88, No.5, American Concrete Institute, Detroit, Michigan, pp. 544-582.

ACI Committee 209 (1978). Prediction of Creep, Shrinkage and Temperature Effects in Concrete Structures. 2nd Draft, ACI, American Concrete Institute, Detroit, Michigan, pp.98.

ACI Committee 232 (2002). Use of Raw or Processed Natural Pozzolans in concrete. Manual of Concrete Practice, PaJ1 2, American Concrete Institute, Farmington Hills, USA.

ACI Committee 318-83 (1983). Building Code Requirements for Reinforced Concrete. ACI Manual of Concrete Practice, American Concrete Institute, Detroit, Michigan, pp. 111.

ACI Committee 318-95 (1995). Building Code Requirements for Structural Concrete. ACI Manual of Concrete Practice, Part 3, Use of Concrete in Buildings - Design, Specifications and Related Topic, American Concrete Institute, Detroit, Michigan, pp. 345. **Agarwal S.K.** (2006), "Pozzolanic activity of siliceous materials", Cement and Concrete Research 36, pp:1735-1739

Aitcin P.C. (2003), "The durability characteristics of High Performance concrete: a review.", Cement & Concrete Composites 25. pp: 409-420

Ajiwe, V.I.E., Okekw, E.A., and Akigwe, F.E., (2000). A preliminary study of manufacture of cement from rice husk ash. Bio-resource Technology Journal 73, Elsevier Science Ltd., pp. 37-39.

Al-Amoudi O.S.B, Maslehuddin M, Shameem M, Ibrahim M, (2007) "Shrinkage of plain and silica fume cement concrete under hot weather". Cement & Concrete Composite pp:284-286

Ali Akhbar Ramezanianpour, (1987), "Properties and Durability of Pozzolanic Cement Mortars and concretes", PhD Thesis, University of Leeds.

Ali Behnood, Hasan Ziari, (2007). "Effects of silica fume and water to cement ratio on the properties of high-strength concrete after exposure to high temperates". Elsevier Sceince Ltd, Cement and concrete composites.

Alshamsi, A.M., Alhosaini, K.I., and Yousri, K.M., (1997), "Hydrophobic superplasticizer and microsilica effect on setting time of cement paste at various temperature ", Magazine of Concrete Research, Vol.49, No.179, pp. 111-115.

Angsuwattana et al, (1998) A study of strength activity index of ground coarse fly ash with portland cement.

Ankra, K. (1976). Studies of black silica produced under varying conditions. PhO Dissertation, University of California at Berkeley, USA.

Bai, J., Wild, S., Sabir, B. B. and Kinuthia, J. M., (1999)."Workability of concrete incorporating pulverized fuel ash and metakaolin", Magazine of Concrete Research, 51, No. 3, pp. 207-216.

Boateng, A.A., and Skeete, D.A. (1990). Incineration of rice hull for use as a cementitious material: The Guyana Experience. Vol. 20, Issue No.5, Cement and Concrete Research, Elsevier Science Ltd., pp. 795-802.

Boddy A.M., Hooton R.D., Thomas M.D.A. (2000), the effect of product form of silica fume on its ability to control alkali-silica reaction, Cement and Concrete Research 30, pp 1139-1150.

Chindaprasirt P, Rukzon S (2007),"Strength, porosity and corrosion resistance of ternary blend Portland cement, rice husk ash and fly ash mortar". Construction and Building Materials, Article in Press

Chopra, S.K., Ahluwalia, S.C., and Laxmi, S. (1981). Technology and manufacture of rice-husk ash masonry (RHAM) cement. Proceeding of ESCAPIRCTT 3rd- Workshop on Rice-Husk Ash Cement, New Delhi.

Cook, DJ. (1986). Cement replacement material. Concrete Technology and Design, Vol. 3, Editor: Swamy R.N., ISBN 0-903384-52-3, Surrey University Press, London, pp.I-195.

Cook, DJ., and Suwanvitaya, P. (1981). Rice-husk ash based cements - A State of the Art Review. Proceeding of ESCAP/RCTT 3rd Workshop on Rice-Husk Ash Cement, New Delhi.

Cook, DJ., Pama. R.P. and Darner, S.A. (1976). The behaviour of concrete and cement paste containing rice husk ash. Proceeding of Conference on Hydraulic Cement Paste

Della, V.P., Kuhn, 1. and Hotza, D. (2002). Rice husk ash as an alternate source for active silica production. Material Letters 57, Elsevier Science Ltd., pp. 818-821.

Edward G Nawy, (2001) Fundemantals of High Performance Concrete, 2nd Edition. United States of Amerika: John Wiley & Sons, pp 2 - 13

EG Nawy, (2000) Fundamental of high performance Concret (book).

Gallias J.L., Kara-Ali R., Bigas J.P. (2000). "The effect of fine mineral admixtures on water requirement of cement pastes", Cement and Concrete Research 30. pp:1543-1549 Handoo, Mahajan Kaila (2003) Civil Engineering Materials, New Delhi. Satya Prakashan, pp 98.

Hani H. Nassif, Husam Najm, Nakin Suksawang (2005),"Effect of pozzolanic materials and curing methods on the elastic modulus of HPC", Cement & Concrete Composites 27, pp 661–670

Hashem M.A. Al-Mattarneh, Haniza Abd Hamid, Azmi Ibrahim, (2002). "Problems Related With The Production of High Performance Concrete", World Conference on Concrete Materials and Structures, Malaysia, pp: 311-317.

Hedda Vikan , Harald Justnes (2007) "Rheology of cementitious paste with silica fume or limestone", Cement and Concrete Research 37. pp: 1512–1517

Hwang, C.L and Wu, D.S. (1989). Properties of cement paste containing rice husk ash. ACI SP-114 (35), Editor: Malhotra, V.M., Proceeding of 3rd International Conference Trondheim, Norway, pp. 733-765.

Hwang, C.L. and Chandra, S. (1997). The use of rice husk ash in concrete. Waste Materials Used in Concrete Manufacturing, Edited: Chandra, S., ISBN 0-8155-1393-3, Noyes Publications, USA, pp. 184-231.

Ibrahim, M., and Helmy, M. (1981). Crystallization growth of RHA silica. Therrnochimica Act, pp. 79-85.

Ikpong, A.A. (1993). The relationship between the strength and non-destructive parameters of Rice Husk Ash concrete. Journal of Cement and Concrete Research, Vol. 23, Pergamon Press, pp. 387-398.

James and Subba Rao, M. (1986). Reaction product of lime and silica from rice husk ash, Cement and Concrete Research, Vol. 16, No.1, Pergamon Press Ltd., pp. 67-73.

Jyh-Shing Roger Jang, (1995) Neuro-Fuzzy Modelling and Control, Proceeding of the IEEE, vol.83,no.3.

K. Ganesan, K. Rajagopal, K. Thangavel. (2007) Rice husk ash blended cement: Assessment of optimal level of replacement for strength and permeability properties of concrete. Construction and Building Materials. In press

Karasudhi, P., and Nimityongskul, P. (1979). Use of rice husk ash as building materials in Thailand. Report of joint UNIDO-ESCAP-RCTT-PCSIR Workshop on Production of cement like materials from agro-wastes, Peshawar, Pakistan, pp.123-134.

Kartini,K, Mahmud H.B., Hamidah M.S, Nor Azmi.I, (2005), The Absorption Characteristics of Rice Husk Ash Concrete, Proceedings of Brunei International Conference on Engineering and Technology 2005 (BICET2005). Pp. 491-499

Larrnard F.de. (1992) High Performance concrete from material to structure, Chapter 3. E&FN Spon . London. Pp 34-47.

M.F. Nuruddin, N.Shafiq, N.L.Mohd Kamal (2008) Microwave Incinerated Rice Husk Ash (MIRHA) Concrete: A New Material In The Construction Industry. United Kingdom Malaysia Engineering Conference.

Maher A.Bader. (2003) Performance of concrete in a costal environment. Cement & concrete composites 25, pp 539-548.

Malhotra S.K., Dave N.G. (1999), "Investigations into the effect of addition of Fly ash and burnt clay pozzolana on certain engineering properties of cement composites." Cement and Concrete Composites 21. pp: 285-291.

Malhotra V. M., Kumar Metha. P (2004), "Pozzolanic and Cementitious Materials", Advances in Concrete Techno; ogy, Volume 1, Taylor and Francis Group, London.

Malhotra. V.M., and Sivasundaram, V. (1991). Resonant Frequency Methods. Handbook on Non-Destructive Testing of Concrete, Editors: Malhotra, V.M & Carino, N.J., ISBN 0-8493-2984-1, CRC Press, pp. 147-168.

Malier. Y, (1992) High Performance concrete from material to structure, Chapter 1. E&FN Spon . London. Pp xii-xxiv.

Manmohan, D., and Mehta, P.K. (1981). Influence of pozzalanic, slag and chemical admixture on pore size distribution and permeability of hardened cement paste, cement, concrete and aggregates. ASTM Journal Cement, Concrete and Aggregates, Vol.3, No.1, pp. 63-67.

Mazloom. M, Ramezanianpour, Brooks J.J. (2004), "Effect of silica fume on mechanical properties of high strength concrete, Cement and Concrete Composite 26, pp: 347-357.

Mazlum, F and Uyan, M. (1992). Strength of mortar made with cement containing rice husk ash and cured in sodium sulfate solution. 4th. International Conference on Fly Ash, Silica Fume, Slag and Natural Pozzolan in Concrete, Edited: Malhotra, V.M. ACl SP-132 (29), Istanbul, pp. 513-531.

McCarthy M.J., Dhir R.K. (2005) Development of high volume fly ash cements for use in concrete construction. Fuel 84 pp. 1423–1432

McDaniel, R. (1946). Rice husk and rice-husk ash for building materials. Rice Journal 49, pp. 14-16.

Megat Azmi Megat Johari (2000), Deformation of High Strength Concrete containing mineral admixture, PhD Thesis, University of Leeds

Megat Johari M A, Ariffin K S, Arshad M F and Chong WH, (2002), The Potential of Metakaolin Produced from locally available Kaolin as a mineral admixture for concrete, Proceedings of Conference of Science and Science social Reasearch, UiTM

Mehta P.K., (1986) Concrete: Structure, Properties, and Materials, Prentice-Hall, New Jersey.

Mehta, P.K. (1983). Pozzolanic and cementitious by-Products as mineral admixtures for concrete -A Critical Review. ACI SP-79, Detroit, Michigan, pp. 1-46.

Mehta, P.K. (1989). Rice husk ash as a mineral admixture in concrete.

Mehta, P.K. (1992). Rice Husk Ash - A unique supplementary cement material. Proceeding of the International Conference on Advance in Concrete Technology, Edited: Malhotra, V.M., CANMET, Athens, Greece, pp. 407-431.

Mehta, P.K., and Monteiro, I.M. (1993). Concrete Structure, Properties and Materials. 2nd Edition, ISBN 0-13- 175621-4, Prentice-Hall, Eaglewood Cliffs, New Jersey, pp. 43-284.

Mehta, P.K., and Pitt, N. (1976). Energy and industrial materials from crop residues. Journal Resource Recovery and Conservation, No.2, Elsevier Scientific Publishing Company, Amsterdam, pp. 23-38. **Metha PK** (1994). Mineral admixtures for concrete- an overview of recent developments. Advances in cement and concrete Journal. Proceedings of an Engineering Foundation Conference, University of New Hampshire, Durham, ASCE, pp 243 – 56.

Mindess, Young et al., 2008, The science and technology of civil engineering material, (2nd Edition) book.

Neville, A.M. (1997). Properties of Concrete. ISBN 0-582-23070-5, Longman, England.

Nuruddin M.F., Ridho Bayuaji, 2009. Application of Taguchi's approach in the optimization of mix proportion for Microwave Incinerated Rice Husk Ash Foamed Concrete. International Journal of Civil & Environmental Engineering IJCEE Vol: 9 No: 9. pp. 121-129.

Nuruddin, A. Kusbiantoro, N. Shafiq (2008). "Microwave Incinerated Rice Husk Ash (MIRHA and it's effects on concrete strength". Proceeding of international conference on application of traditional and high performance materials in harsh environment. Sharja: UAE. Pp 42-48

Patel, R.G., Killoh, D.C., Parrott, L.J., and Gutteridge, W.A. (1988). Influence of curing at different relative humidity upon compound reactions and porosity of Portland cement paste. Material and Structures, No. 123, pp. 192-197.

Patel, R.G., Killoh, D.C., Parrott, L.J., and Gutteridge, W.A. (1988). Influence of curing at different relative humidity upon compound reactions and porosity of Portland cement paste. Material and Structures, No. 123, pp. 192-197.

Peter C. Hewlett (1998). Lea's Chemistry of Cement and Concrete, Fourth edition. John Wiley & sons Inc. New York.

Qingge Feng et al, (2004) Concrete with highly active rice husk ash.

Ravindra K. Dhir, (1986) Pulverized-fuel ash, concrete Technology and Design, Volume 3, Cement Replacement Materials. London: Bell & Bain, pp 200-201.

Rego, J.H.S., Nepomuceno, A.A., Vieira, F.L., Lopes, A.N.M, and Hasperyk, N.P. (2004). Study of binders composed of ordinary Portland cement (CPI) and amorphous and crystalline rice husk ash (RHA). Proceedings of the ih International Conference on Concrete Technology in Developing Countries - Sustainable Development in Concrete Technology (ih ICCT), Editors: Mattarneh, H., Ibrahim. A., and Ahmad, Z., Kuala Lumpur, pp. 79-89.

Regourd M.M, (1992) High Performance concrete from material to structure, Chapter 1. E&FN Spon . London. Pp 3-13.

Rodriguez de Sensale G. (2006). Strength development of concrete with rice husk ash, Cement and Concrete Composites, No. 28, pp. 158-160.

Roszilah Hamid, Kamarudin Mohd Yusof, Mohd Fauzi Mohd Zain. (2002). Mechanical Properties of High Performance Concrete with Silica Fume Replacement. Proceedings of World Conference on Concrete Materials and Structures. Pp:265 -274.

Sabir B.B. Wild S, Bai J. (2001) Metakaolin and calcined clays as pozzolans for concrete: a review. Cement & concrete composites 23. pp 441-454

Sabir B.B. Wild S, Bai J. (2001) Metakaolin and calcined clays as pozzolans for concrete: a review. Cement & concrete composites 23. pp 441-454

Salmia Beddu, Muhd Fadhil Nuruddin and Nasir Shafiq (2009), Effects of used engine oil as chemical admixtures on the properties of high strength concrete.

Sampaio J., J.S. Countino, M.N. Sampaio (2000), "Portuguese rice husk ash as a partial replacement". Proceeding of the international Conference: Sustainable

Construction into the next millinium. Ed N.P. Barbosa, R.N. swampy and C. Lynsdale, pp 125-137, Joao Pessoa, Brasil, 2-5 Nov 2000.

Shimizu, G., and Jorillo, P, Jr. (1990). Study on the use of rough and unground ash from an open heaped-up burned rice husk as a partial cement substitute. Proceeding of 2nd RILEM Symposium on vegetable plants and their fiber as building material, Brazil, Editor: Sobral, H.S., Chapman and Hall, London, pp. 321-333.

Speare, P.R.S., Eleftheriou, K., and Siludom, S. (1999). Durability of concrete containing Rice Husk Ash as an additive. Proceeding of the International Seminar on Creating with Concrete - Exploiting Waste in Concrete, Dundee, United Kingdom, Editors: Dhir, R.K. and Jappy, T.G, Thomas Telford Publication, United Kingdom: pp. 283-290.

Sugita, S., Shoya, M., and Tokuda, H. (1992). Evaluation of pozzolanic activity of rice husk ash. Proceeding of ACT International Conference, Istanbul Conference, ACI SP-132 (28), American Concrete Institute, Detroit, Michigan, pp. 495-512.

Sugita, S., Shoya, M., and Tokuda, H. (I992). Evaluation of pozzolanic activity of rice husk ash. Proceeding of ACT International Conference, Istanbul Conference, ACI SP-132 (28), American Concrete Institute, Detroit, Michigan, pp. 495-512.

Taylor G.D. (2002) Materials in Construction, Proncipels, Practice and Performance. 2nd Edition. England: Person Education Limited. pp 204-347.

Temiz H., Kose M.M., Koksal S. (2007) "Effects of portland composite and composite cements on durability of mortar and permeability of concrete", Construction and Building Materials 21 pp: 1170–1176

Thomas M.D.A, M.H. Shehata, S.G. Shashiprakash, D.S. Hopkins, K. Cail, (1999)"Use of ternary cementitous systems containing silica fume and fly ash in concrete", Cement and concrete Research, pp. 1207-1214

UNIDOIESCAPIRCTI (1979). REA Report. Proceedings of ESCAPIRCTI on Rice Husk Ash Cement, Pakistan. Regional Center for Technology Transfer, India, pp. 49-178.

Waliuddin, A.M. And Ismail, M.S.,(1996). Effect of rice husk on high strength concrete. Journal of Construction and Building Materials, Vol. 10, No.7, Elsevier Science Ltd, pp. 521-526.

Xinghua Fu, Zhi Wang, Wenhong Tao, Chunxia Yang, Wenping Hou, Youjun Dong, Xuequan Wu, (2002) Studies on blended cement with a large amount of fly ash", Cement and concrete research 32, pp. 1153 – 1159.

Yajun .J, Jong Herman Cahyadi, (2003) Effects of densified silica fume on the microstructure and compressive strength of blended cement paste, Cement and Concrete reaserch 33, 2003. pp. 1543-1548.

Yajun .J, Jong Herman Cahyadi, (2003) Effects of densified silica fume on the microstructure and compressive strength of blended cement paste, Cement and Concrete reaserch 33, 2003. pp. 1543-1548.

Yamamoto, Y, and Lakho, S.M. (1982). Production and utilization of active rice husk ash as a substitute for cement. Proceeding of Japan Society of Civil Engineers, No. 322, pp. 158-166.

Yoshihiko,Ohama (1995) Handbook of Polymer-Modified Concrete and Mortars-Properties and Pprocess Technology.

Zhang, M.H, Lastra, R., and Malhotra, Y.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, No.6, Elsevier Science Ltd, pp. 963-977.